Former Scott Aviation Facility Area 1 BCP Site

ERIE COUNTY, NEW YORK

Final Engineering Report

NYSDEC Site Number: C915233

Prepared for:

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DECEMBER 2015

CERTIFICATIONS

I, Scott A. Underhill, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plans were implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plans.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plans and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class “A” misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Scott Underhill, of 40 British American Blvd., Latham, New York am certifying as Owner’s Designated Site Representative for the Site.

December 15, 2015

Scott A. Underhill
NYS Professional Engineer #75332 Date

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LIST OF ACRONYMS

Acronym	Definition
1,1-DCE	1,1-Dichloroethene
1,1,1-TCA	1,1,1-Trichloroethane
ABC®	Anaerobic Biochem
BCP	Brownfield Cleanup Program
bgs	Below Ground Surface
CAMP	Community Air Monitoring Plan
cis-1,2-DCE	cis-1,2-Dichloroethene
CVOC	Chlorinated Volatile Organic Compounds
DER	Division of Environmental Remediation
EC	Engineering Controls
ERD	Enhanced Reductive Dechlorination
FER	Final Engineering Report
ft	Feet (or Foot)
HASP	Health and Safety Plan
IRM	Interim Remedial Measure(s)
mg/kg	Milligram per Kilogram
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
PCE	Tetrachloroethene
PSA	Preliminary Site Assessment
PVC	Polyvinyl Chloride
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SRI	Supplemental Remedial Investigation
SSD	Sub-slab Depressurization
SVI	Soil Vapor Intrusion

Acronym	Definition
SVOC	Semi Volatile Organic Compound
TCE	Trichloroethene
TCLP	Toxicity Characteristics Leaching Procedure
TOGS	Technical & Operational Guidance Series (NYSDEC)
TVOC	Total Volatile Organic Compounds
µg/l	Micrograms per Liter
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
ZVI	Zero Valent Iron

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

On behalf of Scott Technologies, Inc. (aka Scott Figgie LLC), AECOM Technical Services, Inc. (AECOM) has prepared this Final Engineering Report (FER) under the guidance of New York State Department of Environmental Conservation's (NYSDEC's) Brownfield Cleanup Program (BCP) for the former Scott Aviation Facility Area 1 Site (Site).

On September 1, 2004, the former Scott Aviation Facility was sold by Scott Technologies, Inc. to the current facility owner/operator, AVOX Systems Inc. (AVOX). On September 11, 2008, Scott Technologies, Inc. submitted an application for the Site to enter the NYSDEC BCP, per Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375-3.4 (Applications), effective December 14, 2006. Scott Technologies, Inc. applied for entry into NYSDEC BCP as a participant to investigate and remediate, as appropriate, potential areas of environmental concern associated with the Site. On July 8, 2009, NYSDEC approved the application and Scott Technologies was accepted into the BCP program as a participant. Scott Technologies is now known as Scott Figgie LLC.

The Site is located in the County of Erie, New York and is identified as Section 104 Block 5 and Lots 8 and 9 on the Erie County Tax Map # 104.16. The Site is situated on an approximately 1.25-acre area bounded by Erie Street to the north, Erie Railroad to the south, AVOX Plant 1 to the east, and residential property to the west (see **Figure 1** and **Figure 2**). The boundaries of the Site are fully described in **Appendix A** (Environmental Easement Survey).

Soil, groundwater, surface water, and soil vapor contamination at the Site were outlined during a series of investigations that took place over several years. Contamination identified during these investigations was addressed via interim remedial measures (IRMs) prior to the issuance of a final Decision Document for the Site. The descriptions of the remedial activities at the Site are documented in the following reports:

- AECOM, March 2015. "Construction Completion Report – 2014 Interim Remedial Measures, Former Scott Aviation Facility Area 1, Lancaster New York."

- AECOM, August 2015. "Construction Completion Report – 2015 Interim Remedial Measure - Groundwater Treatment, Former Scott Aviation Facility Area 1, Lancaster New York."

AECOM has prepared this FER to provide a unified site closure document using the certified reports listed above. An electronic copy of this FER with all supporting documentation is included in **Appendix B**.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

The Remedial Action Objectives (RAOs) for the Site as listed in the Decision Document are as follows:

2.1.1 **Groundwater**

- RAOs for Public Health Protection
  - Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
  - Prevent contact with, or inhalation of, volatiles from contaminated groundwater.
- RAOs for Environmental Protection
  - Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
  - Prevent the discharge of contaminants to surface water.
  - Remove the source of ground or surface water contamination.

2.1.2 **Soil**

- RAOs for Public Health Protection
  - Prevent ingestion/direct contact with contaminated soil.
  - Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.
- RAOs for Environmental Protection
  - Prevent migration of contaminants that would result in groundwater or surface water contamination.

2.1.3 **Soil Vapor**

- RAOs for Public Health Protection
  - Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion (SVI) into buildings at a site.

2.2 DESCRIPTION OF SELECTED REMEDY

The Site was remediated in accordance with the remedy selected by the NYSDEC in the Interim Remedial Measures /Supplemental Site Investigation Work Plan (IRM/SSI) dated June 28, 2005, the 2014 Interim Remedial Measures Remedial Action Work Plan (2014 IRM RAWP) dated September 1, 2014, and the 2015 Interim Remedial Measure Remedial Action Work Plan (2015 IRM RAWP) dated March 25, 2015.

The factors considered during the selection of the remedy are those listed in 6 NYCRR 375-1.8. The following are the components of the selected remedy:

1.0 Excavation and disposal of identified soil/fill exceeding NYSDEC Subpart 375-6 Unrestricted Use Soil Cleanup Objectives (SCOs) for volatile organic compounds (VOCs) and semi- volatile organic compounds (SVOCs)**,** to approximately 6 feet (ft) below ground surface (bgs). **Performed according to the IRM/SSI Work Plan.**

2.0 Excavation and disposal of soil/fill exceeding protection of groundwater SCOs to approximately 10 ft bgs; note additional in-situ remediation was performed to address residual soils in excavation. **Performed according to the 2014 IRM RAWP.**

3.0 Sealing of on-Site storm sewer pipe joints and installation of impermeable plugs in the pipe bedding. **Performed prior to 2014 SVI sampling.**

4.0 Remediation of VOC-impacted groundwater. **Performed according to the 2015 IRM RAWP.**

5.0 Execution and recording of an Environmental Easement to restrict groundwater use, land use, and prevent future exposure to any contamination remaining at the Site. **Recorded November 19, 2015 (Appendix A).**

6.0 Mitigation of subslab soil vapor issues in the AVOX Plant 1 boiler room. **Performed according to the 2014 IRM RAWP.**

7.0 Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination, as required by the Environmental Easement, which includes plans for: (1) Institutional Controls and Engineering Controls (IC/ECs), (2) monitoring, (3) operation and maintenance and (4) reporting. **Approved SMP (AECOM 2015).**

8.0 Periodic certification of the Institutional and Engineering Controls listed above.
To be initiated beginning 2017.

3.0 INTERIM REMEDIAL MEASURES

The data collected during the Site Phase I and Phase II were used to develop an IRM to address a suspected impacted soil source area containing paint sludge; this IRM was completed in 2005. This work, in addition to the preliminary groundwater assessment (PSA), remedial investigation (RI), and supplemental remedial investigation (SRI), were used to develop two additional IRMs at the Site. Remediation was conducted in 2014 and 2015 to address contaminants in soil, groundwater, and soil vapor. Additional studies took place to evaluate potential soil vapor impacts at residences near the Site; data indicated no further action is required per NYSDEC. During a conference call between State agencies and stakeholders on February 28, 2014, the NYSDEC recommended moving forward with the BCP cleanup in advance of an approved Final Analysis of Alternatives Report by completing additional IRMs to address soil and groundwater impacts at the Site. The following subsections summarize the IRMs implemented at the Site.

3.1 2005 INTERIM REMEDIAL MEASURE

On June 28, 2005, in accordance with the IRM/SSI Work Plan, Earth Tech (predecessor to AECOM) performed an initial excavation of subsurface paint sludge material located to the west of Plant 1. Residual paint sludge material and a minimum 1-ft buffer of soil vertically and horizontally around the visible material were removed. The initial excavation footprint was approximately 14 ft by 18 ft, and the depth of the excavation ranged between 3.5 and 4 ft bgs. Refer to **Figure 3** for the location of the 2005 IRM.

Three sidewall and one floor confirmation soil samples were collected and submitted for VOCs and phenols analysis. All sidewall sample results were below New York State Technical and Administrative Guidance Memorandum (TAGM) 4046 soil criteria, which was the appropriate screening criterion for soil at the time the IRM was performed. In one of the excavation floor confirmation soil samples, ethylbenzene (14 milligrams per kilogram [mg/kg]), toluene (15 mg/kg), trichloroethene (TCE; 1.2 mg/kg), xylenes (130 mg/kg), and phenol (54 parts per billion) were detected at levels above their respective TAGM 4046 soil criteria. As a result, an additional two ft of soil was excavated vertically within the existing excavation footprint on July 11, 2005, extending the total excavation depth to approximately 6 ft bgs.

One confirmation soil sample was collected at the bottom of the subsequent excavation for VOCs and phenols analysis. Analytical results from the sample indicated TAGM 4046 soil criteria exceedances for toluene (17 mg/kg), 1,1,1-trichloroethane (1,1,1-TCA; 51 mg/kg), TCE (43 mg/kg), and xylenes (41 mg/kg). The scope of work for the IRM only addressed vadose zone soil; therefore, further excavation was not completed during the IRM because groundwater was encountered at approximately 6 ft bgs. In addition, no remaining visible paint sludge material was observed in the soil excavation footprint. The information and certifications made in the January 2008, Earth Tech "Preliminary Groundwater Assessment Report" were relied upon to prepare this report. The Preliminary Groundwater Assessment Investigation resulted from the elevated VOC and SVOC (phenol only) concentrations detected in the soil during the 2005 IRM.

3.2 2014 INTERIM REMEDIAL MEASURES

The objectives of the 2014 IRM were to address issues identified at the Site from previous investigations. These areas of concern were addressed under four IRMs as summarized below:

1) Prevention of groundwater infiltration into the storm sewer piping in the footprint of the total VOC shallow groundwater plume in Area 1 (>20 micro grams per liter [µg/l]), by sealing the storm sewer pipes and roof drain pipes entering five catch basins, and by preventing off-Site migration of groundwater within the storm sewer gravel bedding by installing several non-permeable "plugs" around the storm sewer piping and gravel pipe bedding;
2) Mitigate soil vapor intrusion concerns in the AVOX boiler room;
3) Excavation of shallow soils in selected locations, to a depth of 2 ft bgs, that were identified as containing certain metals (cadmium, copper, nickel, and total mercury) exceeding Commercial Use SCOs; and
4) Excavation of the former (2005) IRM area to a depth of 8 ft bgs, to address VOCs in soil exceeding Unrestricted Use SCOs at approximately 6 ft bgs. Elevated VOCs included 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), ethylbenzene, toluene, 1,1,1-TCA, TCE, and total xylenes.

The 2014 IRM for the Site was completed by Matrix Environmental Technologies, Inc. (METI) under the oversight of AECOM, in accordance with Division of Environmental Remediation Technical Guidance for Site Investigation and

Remediation (aka DER-10) and the supporting documentation as discussed in Section 4.1 of this report. Between September 2014 and October 2014, the four IRMs proposed in the 2014 IRM RAWP were completed. The information and certifications made in the March 2015, Final Construction Completion Report – 2014 Interim Remedial Measures (2014 IRM CCR) were relied upon to prepare this report, and certify that the remediation requirements for the Site have been met.

3.2.1 **Storm Sewer IRM**

The primary goal of the storm sewer IRM was to address the potential for groundwater to infiltrate an existing storm sewer system through unsealed pipe joints and at catch basins where storm sewer pipes discharge into concrete catch basins. The section of storm water pipe between catch basins CB-2 and CB-W (**Figure 4**) was constructed of 6-inch diameter polyvinyl chloride (PVC), the west half of which was perforated within the footprint of the pre-determined >20 µg/l total volatile organic compound (TVOC) shallow groundwater plume. **Figure 4** shows the configuration of the entire storm sewer system within Area 1. The storm sewer piping network is connected to six concrete catch basins, one of which is located outside of Area 1. Additionally, several roof drains from Plant 1 are connected into the system via some of those catch basins. Roof drain piping is PVC and tightly jointed, per a video survey performed in March 2014. However, each roof drain pipe entering a catch basin was sealed during the IRM to prevent groundwater from entering the catch basin around that piping in the future.

Construction began with the excavation of pipe joints and replacement of the perforated pipe between catch basins CB-W and CB-2 with a solid pipe. All pipe joints identified within the >20 µg/l TVOC groundwater plume were exposed via excavation of surrounding soil, and sealed with a bentonite / Portland cement mix (grout). Pipes entering catch basins CB-W, CB-E, CB-2, and CB-3 were exposed via excavating the soil around the catch basins, and each annulus was sealed.

Sealed pipe joints were allowed one week to cure before excavations were backfilled. Excavated soils from 0 to 2 ft bgs (above average groundwater elevations) and from 2 to approximately 4 ft bgs (below average groundwater elevations) were individually segregated and stockpiled onto polyethylene sheeting, analyzed for compliance with DER-10 soil backfill reuse requirements, and backfilled following approval by NYSDEC. Refer to **Table 1** for pipe excavations re-use results.

The secondary goal of this IRM was to prevent potentially contaminated shallow groundwater from migrating off-site from within the storm sewer pipe gravel bedding in

the footprint of the >20 µg/l TVOC groundwater plume. Following excavation and sealing of the storm water pipe joints, seven impermeable plugs were installed around the piping and through the pipe bedding into native soil. These impermeable plugs were each formed by excavating a trench approximately 6 ft long (i.e., orthogonal to storm sewer pipe), approximately 2 ft wide, and through the pipe bedding into native soils. At each location, a wooden form was installed in the trench and filled with a bentonite / Portland cement (grout) mixture. Following solidification of the grout, the wooden frame was removed. After allowing the grout to cure for approximately 1 week, the excavation was backfilled.

Refer to **Figure 5** for the location of the pipe joint repairs, replaced perforated pipe section, and impermeable plugs.

Following excavation, pipe joint sealing, and impermeable plug installation in the pipe bedding, remaining excavated areas were backfilled in compliance with DER-10 soil reuse and the area disturbed by IRM activities was restored.

This IRM was a preventative measure that achieved the requirements of the RAO specified to "Prevent or mitigate, to the extent practicable, migration of impacted groundwater to off-site areas" by replacing the perforated piping, sealing the pipe joints, and installing the impermeable plugs in the stormwater bedding to stop off-site migration of groundwater.

3.2.2 Soil Vapor Intrusion IRM

A subslab depressurization (SSD) system was proposed in the 2014 IRM RAWP to mitigate vapor concerns identified by sub-slab indoor vapor sample data collected in 2010 in the southwestern corner of the existing Plant 1 building, specifically the boiler room (**Figure 6**).

SSD communication testing of the boiler room was conducted in September 2014, and a SSD system design was drafted. Subsequently, floor cracks and floor perforations were sealed, and re-sampling was conducted between November 2014 and December 2014.

Based on the analytical results from the subslab vapor evaluation, ten compounds were detected in the subslab sample, only four compounds were detected in the indoor air sample, and two compounds were collected from the ambient (outdoor) air sample. There were considerably fewer compounds detected during the 2014 event compared to the event performed in 2010, and at significantly lower concentrations; two compounds

triggering 'mitigation' in 2010 were now listed as 'monitoring' (based on comparison to Table 3.1 in the New York State Department of Health (NYSDOH) 2006 Guidance Document). Refer to **Table 2** for TO-15 data comparison of the seven compounds identified in the 2010 and 2014 samples to Table 3.1 in the NYSDOH Guidance Document.

Conclusions from the 2014 indoor air/sub-slab vapor sampling include:

- The 2014 indoor air sample did not detect any chlorinated VOCs listed in the NYSDOH Guidance Document.
- The 2014 subslab vapor sample detected 1,1,1-TCA, cis-1,2-DCE, 1,1-DCE, PCE, and TCE. The sub-slab concentration of PCE in 2014 was less than half of what the PCE concentration was in 2010. Likewise, the concentrations of cis-1,2-DCE, 1,1-DCE and 1,1,1-TCA dropped by an order of magnitude. According to the NYSDOH 2006 Guidance Soil Vapor / Indoor Air Matrix 1 & 2 decision matrices, PCE and TCE concentrations trigger an action of 'monitor' only, while the 1,1,1-TCA, cis-1,2-DCE, and 1,1-DCE concentrations are below an action level.
- Low concentrations of 1,1,1-TCA, cis-1,2-DCE, and TCE were detected in the ambient (outdoor) air sample.
- Prior to the collection of the 2014 samples, floor cracks were patched and the foundation perforations sealed, which has minimized the movement of subslab vapor into the building. The changes have decreased the concentrations in the indoor air samples and lowered the action level from 'mitigation' to 'monitoring'.

This soil vapor IRM has, given the current use of the boiler room, achieved the requirements of the RAO specified to "Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site." by minimizing the entry of soil vapor into the structure. Based on the 2014 indoor air/sub-slab vapor sampling, no mitigation of the sub-slab vapor is required. Currently, SSD is not required because occupants within the boiler room (infrequently visited) are not exposed to Site contaminants. Monitoring of the indoor air and subslab vapor concentrations should be performed if the use or occupancy of the boiler room changes.

3.2.3 **Soils (Metals) IRM**

Excavation of shallow soils containing metals above Commercial Use SCOs was

proposed in the 2014 IRM RAWP to remediate multiple areas within the Site. Two metals (cadmium and nickel) were observed above Commercial Use SCOs at boring location MW-41B (**Figure 7**) at the 0 to 0.2 ft bgs interval (i.e., surface soil); refer to the RI report for historical soil results (AECOM, September 2011). An initial horizontal excavation limit was established using a 20-ft by 20-ft area centered on the boring; with a design excavation depth of 1 ft. Approximately 15 cubic yards of soil were excavated from the MW-41B area.

Soil was excavated to 1 ft bgs in the vicinity of MW-41B, with all confirmatory side wall and bottom samples passing metal Commercial Use SCOs for the target parameters. Refer to **Table 3** for a summary of confirmation data and to **Figure 7** for the locations of confirmation samples and chemical-boxes comparing historical exceedances against confirmation data. Following receipt of passing sample confirmation data and with concurrence from the NYSDEC, the excavated area was backfilled with imported soil that met Unrestricted Use SCOs (refer to **Table 4** for imported fill data), and restored to pre-excavation conditions per Section 8.0 of the 2014 IRM RAWP.

Excavation of subsurface soils containing metals above Commercial Use SCOs was also proposed in the September 2014 IRM RAWP to address metals detections at DPT8-1 and DPT8-2 (**Figure 8**). Nickel and cadmium were detected at the 0 to 0.2 ft bgs (surface soil) interval at DPT8-2. Total mercury, copper, and cadmium exceedances were detected at the 0 to 2 ft bgs interval at DPT8-1. Cadmium and nickel were detected at the 0 to 0.2 ft bgs interval at DPT8-2. Refer to the RI report for historical soil results (AECOM, September 2011). An initial horizontal excavation limit was established using 20-ft by 20-ft areas centered on each of the borings, with a design excavation depth of 2 ft below the ground surface. Approximately 30 cubic yards of soil was excavated from each of those two locations. Excavation in the vicinity of DPT8-1 did not include soil around a fire hydrant, around monitoring well MW-30, or around the AVOX hazardous waste storage unit, per the September 2014 IRM RAWP, Section 3.3.2.

Soil was excavated to 2 ft bgs in the vicinity of DPT8-1 and DPT8-2 per the September 2014 IRM RAWP. Confirmatory side wall samples collected from the south sidewall at DPT8-1 and from the north sidewall at DPT8-2 exceeded some metals Commercial Use SCOs, while the remaining confirmatory side wall samples from each boring detected metal concentrations below Commercial Use SCOs. An additional 2 ft wide by 2 ft in depth excavation occurred on the south side wall of DPT8-1 and on the north side wall of DPT8-2. Follow-up confirmatory side wall samples collected from the

DPT8-1 south sidewall and the DPT8-2 north sidewall detected metal concentrations below Commercial Use SCOs. Refer to **Table 5** for a summary of confirmation data and **Figure 8** for the locations of confirmation samples and chemical-boxes comparing historical exceedances against confirmation data. Following receipt of passing sample confirmation data, and with concurrence from the NYSDEC, the excavated area was backfilled with imported soil that met Unrestricted Use SCOs, and paved with asphalt to pre-excavation conditions per Section 8.0 of the 2014 IRM RAWP.

Excavated soil generated from DPT8-1, DPT8-2, MW-41B, and the VOCs IRM was stockpiled on polyethylene sheeting, sampled for Toxicity Characteristics Leaching Procedure (TCLP) analysis, and covered until a TCLP analysis determined that all excavated soil was non-hazardous (i.e., non-RCRA-regulated); refer to **Table 6** for a summary of TCLP data compared to regulatory hazardous waste thresholds. The TCLP analysis was submitted to a disposal landfill for approval, and the waste profile was sent to the NYSDEC. Following approval by the landfill, those non-hazardous soil stockpiles were loaded into trucks by METI and transported by Pariso Logistics, Inc. (EPA ID Number 9A826). A total of twelve trucks transported 227.06 tons of soil to the Town of Tonawanda Landfill (non-hazardous waste landfill) for disposal. The Town of Tonawanda Landfill facility profiles, waste approvals, disposal manifests, and weight tickets, and a summary of soil transportation and disposal weights, are included as part of the 2014 IRM CCR included in **Appendix B**.

This soil (metals) IRM has achieved the requirements of the RAO specified to "Prevent ingestion/direct contact with contaminated soil, prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil, and prevent migration of contaminants that would result in groundwater or surface water contamination."

3.2.4 **(VOCs) IRM**

VOC concentrations from soil confirmation samples collected in 2005 following that IRM soil excavation were found to be in exceedance of the Protection of Groundwater SCOs; refer to the January 2008 Earth Tech Preliminary Groundwater Assessment for historical data. An initial horizontal excavation limit was established following the same footprint of the previously excavated area (approximately 14 ft by 18 ft, by 6 ft deep).

Excavation began with the removal of the 0 to 6 ft bgs interval of soil within the initial horizontal excavation limit; this soil was clean backfill imported during the 2005 IRM. Sampling of the soil (refer to **Table 7** for IRM re-use soil sample results), permitted its reuse as backfill (with NYSDEC approval).

Elevated photoionization detector (PID) headspace readings on side wall and bottom samples were observed following excavation of the 6 to 8 ft bgs interval, and reported to NYSDEC. Due to the depth of observed elevated PID readings being below average shallow groundwater elevations, an additional 2 ft of soil was removed from the side walls (where physical constraints allowed) and from the bottom of the excavation. The additional excavated soil was stockpiled on polyethylene sheeting, along with the 6 to 8 ft bgs interval and soil from the metals IRMs, sampled for TCLP analysis, and covered until TCLP analysis determined that excavated soil to be non-hazardous (refer to **Table 6**). Approximately 100 cubic yards of soil was excavated. Following appropriate approvals by the landfill and the NYSDEC, this soil was loaded, in addition with the non-hazardous soil generated from Soil Metal IRM activities, into trucks by METI and transported by Pariso Logistics (EPA ID Number 9A826) to the Town of Tonawanda Landfill (non-hazardous waste landfill) for disposal.

Characterization samples from the side walls and bottom of the excavation were collected and resulted in some VOC detections exceeding Protection of Groundwater SCOs (refer to **Table 8** for characterization sample results and **Figure 7** for approximate sample locations). Prior to backfilling, and with approval from the NYSDEC, 270 pounds of Klozur® CR, engineered calcium peroxide, was placed on the bottom of the excavation area and mixed with the small amount of groundwater that had accumulated in the excavation. Stockpiled fill from the 2005 IRM and imported fill in compliance with DER-10 requirements was used to backfill the excavation areas created for this IRM. Soils that were identified as exceeding the Protection of Groundwater SCOs were below the water table and were addressed under the 2015 IRM Groundwater Injection IRM.

This soil (VOC) IRM has achieved, in combination with the groundwater injection IRM summarized in Section 3.3, the requirements of the RAO to “Prevent ingestion/direct contact with contaminated soil, prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil, and prevent migration of contaminants that would result in groundwater or surface water contamination.” by removal of the source area. Residual soils with VOCs exceeding Protection of Groundwater SCOs remained below the water table, and have been treated via the

Groundwater Injection Remedy (see Section 3.3). Groundwater in this area will be monitored per the SMP.

3.3 2015 INTERIM REMEDIAL MEASURE (GROUNDWATER)

Analytical data for groundwater samples collected during the RI and SRI from the shallow and deep overburden wells identified the presence of VOCs exceeding NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 standards for the protection of drinking water (NYSDEC, June 1998). There were no exceedances of NYSDEC TOGS 1.1.1 protection of drinking water standards in the bedrock groundwater. The most frequently detected VOCs were TCE and cis-1,2-DCE. The greatest VOC concentrations were detected in the area of the previously-excavated source area during the 2005 IRM. At perimeter wells, VOCs were either not detected or were detected at concentrations below or slightly above NYSDEC TOGS 1.1.1 protection of drinking water standards for TCE. The delineation of TCE is complete to the north, south, east and west (to northeast corner of Plant 1) of the historic source area; refer to the RI and SRI reports (AECOM, September 2011, AECOM, April 2012) for a summary of groundwater VOC data collected during the RI and SRI.

The remedial approach to address VOCs in Site groundwater was in-situ enhanced reductive dechlorination (ERD) via direct-push injections of Anaerobic Biochem (ABC®) amended with zero valent iron (ZVI), i.e., ABC+®.

The 2015 groundwater IRM for the Site was completed by AECOM subcontractors METI and Redox Tech, LLC (Redox), under the oversight of AECOM, in accordance with DER-10 and supporting documentation as discussed in Section 4.1 of this report. Between March 2015 and May 2015, the groundwater IRM proposed in the March 2015 Final Remedial Action Work Plan – 2015 Interim Remedial Measure – Groundwater Treatment (2015 IRM RAWP) was enacted within the footprint of the Site. The information and certifications made in August 2015 in the Final Construction Completion Report – 2015 Interim Remedial Measure (2015 IRM CCR) were relied upon to prepare this report, and certify that the remediation requirements for the Site have been met.

The groundwater injection consisted of injection of ABC+® into two target depth zones: a 12,600 square ft shallow-only injection zone and a 20,025 square ft combined shallow-deep injection zone. Refer to **Figure 9** for locations of injection points and depth intervals. Injection of ABC+® was performed through 1.5-inch injection rods that were penetrated into the subsurface with a direct-push technology (e.g., Geoprobe®) rig.

At each injection location, several discrete injection intervals were performed, depending upon the vertical remediation target thickness and soil hydraulic conductivity within the contaminated zone. In general, the spacing between injection points was 15 ft, which was selected based on observed subsurface stratigraphy from soil boring logs and in-situ injection on an adjacent property.

A total of 41 injection points were completed to treat the groundwater in the shallow zone area. Approximately 23,370 pounds of ABC+® were injected to treat this area, at approximately 570 pounds of ABC+® per point (67% by weight [wt%] ABC® and 33% wt% ZVI). Mixed at approximately a 15 wt% solution, this resulted in approximately 16,000 gallons of solution. Each injection point received approximately 390 gallons, divided up among intervals that had the highest permeability.

A total of 79 injection points were required to treat the groundwater in the combined shallow and deep zone. Approximately 59,800 pounds of ABC+® were required to treat this area, at 757 pounds of ABC+® per point (57% wt% ABC+® and 43% wt% ZVI). Mixed at approximately a 15 wt% solution, this resulted in approximately 40,300 gallons of solution. Each injection point received approximately 510 gallons, divided up among intervals that had the highest permeability.

Injections were also conducted adjacent to the storm sewer, to significantly reduce chlorinated volatile organic compounds (CVOCs) in the vicinity of the sewer and to apply treatment into the bedding itself. The storm sewer targeted injections occurred on April 13, 2015 and April 14, 2015. Injection points were performed approximately 5 to 6 ft offset (upgradient) from the sewer line to establish a biobarrier that groundwater must flow through before entering the sewer bedding. Injections associated with the storm sewer bedding were completed between 4 and 6 ft bgs. As the sewer bedding (pea gravel) is significantly more permeable than the native soils, the bedding was expected be a path of least resistance for the injected solutions. Therefore, to protect the existing subsurface utility, ERD injections immediately adjacent to the sewer consisted of only ABC® (without ZVI).

Baseline, pre-injection, and post-injection groundwater monitoring was conducted at select wells located on Site (i.e., within the VOC plumes, downgradient of VOC plumes, and in background wells) using low-flow techniques; refer to **Table 9** for post-injection groundwater VOCs data. **Figure 10** and **Figure 11** show locations of the groundwater monitoring wells included in the performance monitoring program with respect to the post-injection shallow overburden and the deep overburden groundwater

TVOC plumes, respectively.

VOC groundwater data from the July 2015 post-injection sampling event demonstrates a significant reduction of SCOs compared to the RI/SRI data. A comparison of pre-injection and post-injection TOC data shows available carbon source in the shallow and deep overburden groundwater zones for continued biodegradation of VOCs (refer to **Table 10**). Pre- and post-injection monitored natural attenuation data also demonstrates biodegradation of VOCs in groundwater is actively occurring (refer to **Table 11**).

This groundwater IRM has achieved the requirements of the RAOs as follows:

- Prevent unacceptable exposure/contact of human receptors to the VOCs detected in on-site groundwater, including preventing people from drinking groundwater with contaminant concentrations in excess of drinking water standards. Currently, drinking water is obtained from a public water supply source.
- Address overburden groundwater impacts to the extent practicable, so that groundwater conditions are consistent with the contemplated use of the Site as a commercial manufacturing facility, which was addressed by the 2014 IRM soil excavations and the groundwater injections to treat saturated zone soils.
- Prevent or mitigate, to the extent practicable, migration of impacted groundwater to off-site areas by treating groundwater with ABC+® in addition to the preventative measures conducted for the storm sewer system.
- Reduce/remove source(s) of groundwater contamination.
- Restore the groundwater aquifer to meet ambient groundwater quality criteria, to the extent practicable.
- Monitor the groundwater to confirm that the selected remedy is protective of human health and the environment.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved RAWPs for the Site in 2014, and 2015. These remedial actions, including the 2005 IRM, constitute the final remedial action for the Site. Note: the 2005 IRM was performed prior to BCP application; all work performed therein was performed in accordance with applicable work plans. The remaining sections describe work complete during the BCP IRMs.

4.1 GOVERNING DOCUMENTS

The remedial program elements, contaminated materials removed, remedial performance/documentation sampling, imported backfill quality, contamination remaining at the Site, and deviations from the associated remedial action work plans utilized for each of the IRMs completed are detailed in the following documents, as applicable.

- AECOM, February 2010. "Remedial Investigation/Alternatives Analysis Work Plan, Former Scott Aviation Facility Area 1, Lancaster New York".
- AECOM, May 2010. "Addendum to Remedial Investigation/Alternatives Analysis Work Plan, Former Scott Aviation Facility Area 1, Lancaster New York".
- AECOM, September 2011. "Remedial Investigation Report, Former Scott Aviation Facility Area 1, Lancaster New York".
- AECOM, Supplemental Remedial Investigation, Former Scott Aviation Facility Area 1, Lancaster New York."
- AECOM, September 2014. "Final Remedial Action Work Plan – 2014 Interim Remedial Measures, Former Scott Aviation Facility Area 1, Lancaster New York."
- AECOM, March 2015. "Final Remedial Action Work Plan – 2015 Interim Remedial Measure – Groundwater Treatment, Former Scott Aviation Facility Area 1, Lancaster New York."
- AECOM, March 2015. "Construction Completion Report – 2014 Interim Remedial Measures, Former Scott Aviation Facility Area 1, Lancaster New York."

- AECOM, August 2015. "Construction Completion Report – 2015 Interim Remedial Measure – Groundwater Treatment, Former Scott Aviation Facility Area 1, Lancaster New York."

4.1.1 Site Specific Health & Safety Plan

All remedial work performed under this Remedial Action was in full compliance with governmental health and safety requirements, including Site and worker safety requirements mandated by the Federal Occupational Safety and Health Administration.

The Health and Safety Plan (HASP) presented in the AECOM February 2010 RI/AA Work Plan and associated amendment to the HASP (i.e., Task Hazard Analysis) as included in the 2015 IRM RAWP were complied with for all remedial and invasive work performed at the Site. In addition, all workers and visitors to the work area were required to complete the AVOX health and safety training.

4.1.2 Quality Assurance Project Plan

The Quality Assurance Project Plan (QAPP) was included as part of the AECOM February 2010 RI/AA Work Plan approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance / quality control activities designed to achieve the project data quality objectives.

4.1.3 Soil/Materials Management Plan

Detailed plans for soils and materials management; removal and characterization of wastes; and a plan for on-site water treatment and disposal were discussed in AECOM's September 2014 IRM RAWP. The 2014 IRM RAWP also summarized plans for soil disposal approval, including appropriate soil sampling frequencies and analytical data requirements. The Town of Tonawanda Landfill (non-hazardous waste landfill) in the Town of Tonawanda, New York, was the disposal facility for Site non-hazardous soil.

4.1.4 Community Air Monitoring Plan

The community air monitoring plan (CAMP) was developed in accordance with the NYSDOH Generic CAMP, and the action levels provided below were based on the values provided in DER-10. The CAMP included daily dust sampling of downwind locations to fulfill perimeter community air monitoring requirements for intrusive activities (2014 Soil IRMs). VOC monitoring was implemented at areas where VOCs were a contaminant of concern (2014 and 2015 IRMs). Specific details of the CAMP monitoring approach, instruments, action levels, and response measures are detailed in

the applicable action work plans detailed in Section 4.1.

4.1.5 Contractors' Site Operations Plans

The NYSDEC Remediation Engineer reviewed all plans and submittals for this remedial project (i.e., those listed above, plus contractor and subcontractor submittals) and confirmed that they were in compliance with the Site RAWPs detailed in Section 4.1. All remedial documents were submitted to NYSDEC and NYSDOH in a timely manner and prior to the start of work.

4.1.6 Community Participation Plan

A Community Participation Plan, dated October 2009 was developed to assure an open process for the interested and possible affected public. This includes public officials at all levels, citizen interest groups, commercial interests, individuals in the area of the Site, and the media. These parties were afforded opportunities to be part of the decision-making process for this Site, and were informed about on-site activities through fact sheets and project documents placed in the local public library.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

Prior to completion of the 2014 IRMs, on March 11, 2014, AECOM subcontractor Pow-R Mole Sales, LLC video-surveyed the storm water piping and accessible roof drain piping between the catch basins in the BCP area. For the 2014 IRMs, Matrix Environmental Technologies, Inc. (METI) from Orchard Park, New York implemented IRM construction work under the supervision of AECOM from it's Buffalo, New York office. Pariso Logistics, Inc. from Tonawanda, New York was contracted with METI to provide waste hauling. TestAmerica Laboratories, Inc. located in Amherst, New York performed analytical analyses of soil and air samples. Dino Zack, P.G. (AECOM) managed the project, and Scott Underhill, P.E. (AECOM) is the Engineer of Record for this IRM project.

For the 2015 IRM for groundwater, METI implemented IRM construction work under the supervision of AECOM from the Buffalo, New York office. METI's subcontractor, Redox, performed IRM drilling, injection, and injectate mixing work. TestAmerica Laboratories, Inc. (Amherst, New York) performed laboratory analysis of the groundwater samples. Cardno from Syracuse, New York performed utility clearance as a subcontractor to AECOM. Dino Zack, P.G. (AECOM) managed the project, and Scott Underhill, P.E. (AECOM) was the Engineer of Record for this IRM project.

Remedial coordination and oversight was performed by AECOM out of its Buffalo, New York office.

4.2.2 Site Preparation

A pre-construction meeting for the 2014 IRMs was held with NYSDEC and all contractors on September 4, 2014. A pre-construction meeting for the 2015 groundwater IRM was held with all contractors on April 13, 2015. The Site preparation activities conducted in association with each of the remedial actions described in Section 3.0 are detailed in the construction completion reports and RAWPs cited in Section 4.1 of this document.

4.2.3 General Site Controls

The general Site controls implemented in association with each of the remedial actions described in Section 3.0 are detailed in the construction completion reports and RAWPs cited in Section 4.1 of this document.

4.2.4 Nuisance Controls

The nuisance controls implemented in association with each of the remedial actions described in Section 3.0 are detailed in the construction completion reports and RAWPs cited in Section 4.1 of this document.

4.2.5 CAMP Results

The CAMP results associated with each of the remedial actions described in Section 3.0 are detailed in the construction completion reports cited in Section 4.1 of this document. Copies of all field data sheets relating to the CAMP are provided in those reports.

4.2.6 Reporting

Weekly field activity reports were completed and submitted to the project team and stakeholders following the end of each work week, via electronic mail, for both the 2014 and 2015 IRMs. Weekly field summary reports included a detailed description of work performed during the week as well as tracking figures and data summary tables. The reporting activities conducted in association with each of the remedial actions described in Section 3.0 are detailed in the construction completion reports cited in Section 4.1 of this document. All reports, if required by the governing documents, and photos, are included in those reports.

4.3 CONTAMINATED MATERIALS REMOVAL

The contaminated materials removal conducted in association with each of the remedial actions described in Section 3.0 are detailed in the construction completion reports cited in Section 4.1 of this document. The cited reports include a list of the SCOs for the contaminants of concern for each project, and figures of the locations of original contaminant sources. The cited reports also include descriptions of the types of contaminated materials removed, disposal details, and on-site reuse details.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

Confirmation sampling was conducted in association with each of the remedial actions described in Section 3.0. The construction completion reports cited in Section 4.1 of this document detail the specific sampling methods and analytical method requirements and approach for each of the remedial actions. Summaries of all the re-use, comparison, and confirmation sample data from the IRMs are provided in the reports referenced in Section 4.1, with the sample locations shown on **Figure 7** and **Figure 8**.

4.5 IMPORTED BACKFILL

The backfill that was imported in association with each of the remedial actions described in Section 3.0 (where applicable) are detailed in the construction completion reports cited in Section 4.1 of this document. **Table 4** summarizes chemical analytical results for backfill, in comparison to allowable levels from DER-10.

4.6 CONTAMINATION REMAINING AT THE SITE

4.6.1 Soil

A single bottom soil sample collected from the bottom of the VOC IRM area during the 2014 soil IRM work exceeded the Protection of Groundwater SCO for VOCs; it is being addressed through the placement of a soil amendment prior to backfill and through the 2015 groundwater IRM, as the sample was collected from below the water table; refer to **Table 8** for characterization data. For continued use of the Site as a commercial or industrial facility, all other confirmation samples for soil were below the Commercial Use SCOs per the current zoning at the Site, following the completion of the 2014 soil IRMs.

4.6.2 Groundwater

Table 9 and **Figure 10** (Post-Injection Shallow Overburden TVOC Contour Map) and **Figure 11** (Post-Injection Deep Overburden TVOC Contour Map) summarize the

results of all samples of groundwater that exceed the Standards, Criteria and Guidelines (SCGs) after completion of the remedial action.

Groundwater monitoring activities to assess VOCs and natural attenuation will continue per the SMP, as determined by the NYSDEC in consultation with NYSDOH, until residual groundwater concentrations are found to be consistently below ambient water quality standards, or the site-specific SCGs, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue the process will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated, as specified in the SMP.

4.6.3 Soil Vapor

Table 2 summarizes the results of all samples of soil vapor that exceed the SCGs after completion of the remedial action. Further action is not needed unless use or occupancy of the AVOX Plant 1 boiler room changes.

4.6.4 Surface Water

Surface water at the Site occurs intermittently, primarily during rain events, and is discharged via a storm sewer system to Spring Creek. Although Site surface water is not contaminated, potential contaminated groundwater entering the storm sewer system may mix with surface water. Collection of water samples from catch basin (CB-1) will be used to assess the performance of the storm sewer joint seals.

Because contaminated soil, groundwater, and soil vapor remain beneath portions of the Site after completion of the Remedial Action, Engineering Controls and/or Institutional Controls (ECs/ICs) are required to protect human health and the environment. These ECs/ICs are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the SMP approved by the NYSDEC (AECOM 2015).

4.7 OTHER ENGINEERING CONTROLS

The remedy for the Site did not require the construction of any other engineering control systems.

4.8 INSTITUTIONAL CONTROLS

The Site remedy requires that an Environmental Easement be placed on the property which:

- Requires the remedial party or Site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- Allows the use and development of the controlled property for commercial or industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
- Requires compliance with the Department approved Site Management Plan.

The Environmental Easement for the Site was executed by NYSDEC on November 6, 2015, and recorded with the Erie County Clerk on November 19, 2015. The County control number for this filing is 2015239086. Copies of the easement and proof of filing are provided in **Appendix A.**

4.9 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLANS

Deviations from the various remedial action work plans were minor and were reviewed by NYSDEC prior to implementation. These deviations from the remedial actions described in Section 3.0 are detailed in the construction completion reports cited in Section 4.1 of this document.

TABLES

Table 1a
Storm Sewer Re-Use Soil Data - VOCs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	SEWER-1 (0-2) 480-67378-1 9/16/2014		SEWER-2 (2-4) 480-67378-2 9/16/2014	
BTEX Compounds (mg/Kg)						
Benzene	71-43-2	0.06	0.006	U	0.0058	U
Ethylbenzene	100-41-4	1	0.006	U	0.0058	U
Toluene	108-88-3	0.7	0.006	U	0.0058	U
Xylene (mixed)	1330-20-7	0.26	0.012	U	0.012	U
Total BTEX (mg/Kg)	NA	NL	----	U	----	U
Other VOCs (mg/Kg)						
1,1,1-Trichloroethane	71-55-6	0.68	0.006	U	0.0058	U
1,1-Dichloroethane	75-34-3	0.27	0.006	U	0.0058	U
1,1-Dichloroethene	75-35-4	0.33	0.006	U	0.0058	U
1,2,4-Trimethylbenzene	95-63-6	3.6	0.006	U	0.0058	U
1,2-Dichlorobenzene	95-50-1	1.1	0.006	U	0.0058	U
1,2-Dichloroethane	107-06-2	0.02	0.006	U	0.0058	U
1,3,5-Trimethylbenzene	108-67-8	8.4	0.006	U	0.0058	U
1,3-Dichlorobenzene	541-73-1	2.4	0.006	U	0.0058	U
1,4-Dichlorobenzene	106-46-7	1.8	0.006	U	0.0058	U
1,4-Dioxane	123-91-1	0.1	0.12	U	0.12	U
Acetone	67-64-1	0.05	0.03	U	9	J
Carbon tetrachloride	56-23-5	0.76	0.006	U	0.0058	U
Chlorobenzene	108-90-7	1.1	0.006	U	0.0058	U
Chloroform	67-66-3	0.37	0.006	U	0.0058	U
cis -1,2-Dichloroethene	156-59-2	0.25	0.006	U	0.0058	U
Methyl ethyl ketone	78-93-3	0.12	0.03	U	0.029	U
Methyl tert-butyl ether	1634-04-4	0.93	0.006	U	0.0058	U
Methylene chloride	75-09-2	0.05	0.006	U	0.0058	U
n-Butylbenzene	104-51-8	12	0.006	U	0.0058	U
N-Propylbenzene	103-65-1	3.9	0.006	U	0.0058	U
sec-Butylbenzene	135-98-8	11	0.006	U	0.0058	U
tert-Butylebenzene	98-06-6	5.9	0.006	U	0.0058	U
Tetrachloroethene	127-18-4	1.3	0.006	U	0.0058	U
trans-1,2-Dichloroethene	156-60-5	0.19	0.006	U	0.0058	U
Trichloroethene	79-01-6	0.47	0.006	U	0.0058	U
Vinyl chloride	75-01-4	0.02	0.006	U	0.0058	U
Total VOCs (mg/Kg) (Note 1)	NA	NL	----	U	9	J

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
Note 1 - Total VOCs includes BTEX compounds.

Table 1b
Storm Sewer Re-Use Soil Data - SVOCs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	SEWER-1 (0-2) 480-67378-1 9/16/2014		SEWER-2 (2-4) 480-67378-2 9/16/2014	
PAH Compounds (mg/Kg)							
Acenaphthene	83-32-9	20	500	0.0083	U	0.0081	U
Acenaphthylene	208-96-8	100	500	0.0083	U	0.0081	U
Anthracene	120-12-7	100	500	0.0083	U	0.0081	U
Benzo(a)anthracene	56-55-3	1	5.6	0.0083	U	0.013	
Benzo(a)pyrene	50-32-8	1	1	0.0063	J	0.01	
Benzo(b)fluoranthene	205-99-2	1	5.6	0.014		0.017	
Benzo(ghi)perylene	191-24-2	100	500	0.0083	U	0.0066	J
Benzo(k)fluoranthene	207-08-9	0.8	56	0.0083	U	0.0081	U
Chrysene	218-01-9	1	56	0.0083	U	0.013	
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0083	U	0.0081	U
Fluoranthene	206-44-0	100	500	0.0083	U	0.028	
Fluorene	86-73-7	30	500	0.0083	U	0.0081	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	0.0083	U	0.0081	U
Naphthalene	91-20-3	12	500	0.0083	U	0.0081	U
Phenanthrene	85-01-8	100	500	0.0083	U	0.018	
Pyrene	129-00-0	100	500	0.01		0.022	
Total PAHs (mg/Kg)	NA	NL	NL	0.0303		0.1276	
Other SVOCs (mg/Kg)							
2-Methylphenol (o-cresol)	95-48-7	0.33	500	0.25	U	0.24	U
3-Methylphenol (m-cresol)	108-39-4	0.33	500	0.5	U	0.49	U
4-Methylphenol (p-cresol)	106-44-5	0.33	500	0.5	U	0.49	U
Dibenzofuran	132-64-9	7	350	0.062	U	0.061	U
Hexachlorobenzene	118-74-1	0.33	6	0.0083	U	0.0081	U
Pentachlorophenol	87-86-5	0.8	6.7	0.19	U	0.18	U
Phenol	108-95-2	0.33	500	0.062	U	0.061	U
Total SVOCs (mg/Kg) (Note 1)	**NA**	NL	NL	0.0303		0.1276	

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
Note 1 - Total SVOCs includes all of the PAH and SVOC compounds.

Table 1c
Storm Sewer Re-Use Soil Data - Pesticides and PCBs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	SEWER-1 (0-2) 480-67378-1 9/16/2014		SEWER-2 (2-4) 480-67378-2 9/16/2014	
Organochlorine Pesticides (mg/Kg)							
Aldrin	309-00-2	0.005	0.68	0.01	U	0.002	U
alpha-BHC	319-84-6	0.02	3.4	0.01	U	0.002	U
beta-BHC	319-85-7	0.036	3	0.01	U	0.002	U
delta-BHC	319-86-8	0.04	500	0.01	U	0.002	U
Chlordane (alpha)	5103-71-9	0.094	24	0.012		0.002	U
4,4'-DDD	72-54-8	0.0033	92	0.0025	J	0.002	U
4,4'-DDE	72-55-9	0.0033	62	**0.018**		0.002	U
4,4'-DDT	50-29-3	0.0033	47	**0.071**		0.002	U
Dieldrin	60-57-1	0.005	1.4	**0.024**		0.002	U
Endosulfan I	959-98-8	2.4	200	0.01	U	0.002	U
Endosulfan II	33213-65-9	2.4	200	0.01	U	0.002	U
Endosulfan sulfate	1031-07-8	2.4	200	0.01	U	0.002	U
Endrin	72-20-8	0.014	89	0.0021	J	0.002	U
gamma-BHC (Lindane)	58-89-9	0.1	9.2	0.01	U	0.002	U
Heptachlor	76-44-8	0.042	15	0.01	U	0.002	U
PCBs (mg/Kg)							
Aroclor 1016	12674-11-2	NL	NL	0.23	U	0.28	U
Aroclor 1221	11104-28-2	NL	NL	1.23	U	1.28	U
Aroclor 1232	11141-16-5	NL	NL	2.23	U	2.28	U
Aroclor 1242	53469-21-9	NL	NL	3.23	U	3.28	U
Aroclor 1248	12672-29-6	NL	NL	4.23	U	4.28	U
Aroclor 1254	11097-69-1	NL	NL	5.23	U	5.28	U
Aroclor 1260	11096-82-5	NL	NL	6.23	U	6.28	U
Total PCBs (mg/Kg)	NA	0.1	1	-----	U	-----	U

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 1d
Storm Sewer Re-Use Soil Data - Metals
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	SEWER-1 (0-2) 480-67378-1 9/16/2014		SEWER-2 (2-4) 480-67378-2 9/16/2014	
Metals (mg/Kg)							
Arsenic	7440-38-2	13	16	9.2		4.9	
Barium	7440-39-3	350	400	76.1		93.5	
Beryllium	7440-41-7	7.2	590	0.45		0.61	
Cadmium	7440-43-9	2.5	9.3	0.32		0.16	J
Chromium	7440-47-3	30[c]	1500	13.2		19.7	
Chromium (hexavalent)	18540-29-9	1	400	0.98	U	0.97	U
Copper	7440-50-8	50	270	27.2		20.6	
Lead	7439-92-1	63	1,000	16.1		10.5	
Manganese	7439-96-5	1,600	10,000	940	B	269	B
Total Mercury	7439-97-6	0.18	2.8	0.041		0.022	J
Nickel	7440-02-0	30	310	23.4	B	26.3	B
Selenium	7782-49-2	3.9	1,500	5.2	U	4.5	U
Silver	7440-22-4	2	1,500	0.77	U	0.67	U
Zinc	7440-66-6	109	10,000	101	B	62.1	B
Cyanide, Total	57-12-5	27	27	1.4	B	1.1	U

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
B = Compound was found in the blank and sample.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 2
Subslab TO-15 Air Data
Former Scott Aviation Facility Area 1 BCP Site

Type of Sample	NYSDOH Air Guideline Value	AMBIENT		AMBIENT		AMBIENT		AMBIENT		SUBSLAB		SUBSLAB		INDOOR		INDOOR	
Sample ID		AS-1		AS-DUP		AS-1R		AS-R-DUP		SS-2-SUBSLAB		SS-2R-SUBSLAB		SS-2-INDOOR		SS-2R-INDOOR	
Laboratory ID		RTF0696-01		RTF0696-06		200-26139-3		200-26139-4		RTF0696-04		200-26139-1		RTF0696-05		200-26139-2	
Sampling Date		6/2/2010		6/2/2010		12/24/2014		12/24/2014		6/2/2010		12/24/2014		6/2/2010		12/24/2014	
Compound (µg/m³)																	
1,1,1-Trichloroethane	NA	-	U	**3.4**	**J**	-	U	-	U	**430**		**43**		**2.5**		-	U
cis-1,2-Dichloroethene	NA	-	U	**1.5**	**J**	-	U	-	U	**390**		**85**		**1.6**		-	U
Vinyl chloride	NA	-	U	-	U	-	U	-	U	-	U	-	U	-	U	-	U
1,1-Dichloroethene	NA	-	U	**0.83**	**J**	-	U	-	U	**67**		**2**		-	U	-	U
Carbon tetrachloride	NA	-	U	-	U	-	U	-	U	-	U	-	U	-	U	-	U
Tetrachloroethylene	30	-	U	-	U	-	U	**2.9**		**670**		**220**		-	U	-	U
Trichloroethene	2	-	U	**1.5**	**J**	-	U	-	U	**640**		**150**		**1.5**		-	U

Notes:
All units in micrograms per cubic meter (µg/m³)
NA - NYSDOH Air Guideline Value not established.
Sample AS-DUPLICATE is a duplicate sample of AS-1 and AS-R-DUPLICATE is a duplicate of AS-1R.
U - The material was analyzed for but not detected at or above the reporting limit.
J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
Bold - compound detected in a concentration greater than the method reporting limit.

Take reasonable and practical actions to identify source(s) and reduce exposures
Monitoring required based on NYSDOH Guidance (2006)
Mitigation required based on NYSDOH Guidance (2006)

Table 3
MW-41B IRM Soil Confirmsation Sample Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	41B-WW-1 (0-1) 480-66937-5 9/9/2014		41B-SW-1 (0-1) 480-66937-6 9/9/2014		41B-EW-1 (0-1) 480-66937-7 9/9/2014		41B-BOT-1 (1) 480-66937-8 9/9/2014	
Metals (mg/Kg)											
Aluminum	7429-90-5	NL	NL	13900		16900		10100		15100	
Antimony	7440-36-0	NL	NL	0.46	U	0.46	U	0.48	U	0.45	U
Arsenic	7440-38-2	13	16	8.1		8.2		6.3		6.7	
Barium	7440-39-3	350	400	98.4		116		69.2		95.7	
Beryllium	7440-41-7	7.2	590	0.64		0.68		0.54		0.65	
Cadmium	7440-43-9	2.5	9.3	8		7.2		0.7		1.6	
Calcium	7440-70-2	NL	NL	13100	B	6210	B	69100	B	2870	B
Chromium	7440-47-3	30[c]	1500	89.8		110		34.3		19.3	
Cobalt	7440-48-4	NL	NL	7.8		9		8.4		7.6	
Copper	7440-50-8	50	270	48.1		51.1		25.8		11.7	
Iron	7439-89-6	NL	NL	20800		24000		18700		22600	
Lead	7439-92-1	63	1,000	104		107		70.3		21.8	
Magnesium	7439-95-4	NL	NL	3200		4340		15100		2740	
Manganese	7439-96-5	1,600	10,000	335	B	301	B	355	B	331	B
Total Mercury	7439-97-6	0.18	2.8	0.3		0.29		0.19		0.29	
Nickel	7440-02-0	30	310	38.9		42.5		24.7		15.5	
Potassium	7440-09-7	NL	NL	1220		1720		1810		1270	
Selenium	7782-49-2	3.9	1,500	0.92	J	0.74	J	0.48	U	1.1	J
Silver	7440-22-4	2	1,500	0.5	J	0.3	J	0.24	U	0.23	U
Sodium	7440-23-5	NL	NL	82	J	103	J	152	J	94.1	J
Thallium	7440-28-0	NL	NL	0.34	U	0.35	U	0.36	U	0.34	U
Vanadium	7440-62-2	NL	NL	23.4		26.1		19.5		24.8	
Zinc	7440-66-6	109	10,000	219		260		83.5		71	

Notes:
NL = Not Listed
NA = Not analyzed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 4a
Import Fill Data - VOCs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	IMPORT FILL - 1 480-66855-1 9/8/2014	
BTEX Compounds (mg/Kg)				
Benzene	71-43-2	0.06	0.0041	U
Ethylbenzene	100-41-4	1	0.0041	U
Toluene	108-88-3	0.7	0.0041	U
Xylene (mixed)	1330-20-7	0.26	0.0081	U
Total BTEX (mg/Kg)	NA	NL	----	U
Other VOCs (mg/Kg)				
1,1,1-Trichloroethane	71-55-6	0.68	0.0041	U
1,1-Dichloroethane	75-34-3	0.27	0.0041	U
1,1-Dichloroethene	75-35-4	0.33	0.0041	U
1,2,4-Trimethylbenzene	95-63-6	3.6	0.0041	U
1,2-Dichlorobenzene	95-50-1	1.1	0.0041	U
1,2-Dichloroethane	107-06-2	0.02	0.0041	U
1,3,5-Trimethylbenzene	108-67-8	8.4	0.0041	U
1,3-Dichlorobenzene	541-73-1	2.4	0.0041	U
1,4-Dichlorobenzene	106-46-7	1.8	0.0041	U
1,4-Dioxane	123-91-1	0.1	0.081	U
Acetone	67-64-1	0.05	0.02	U
Carbon tetrachloride	56-23-5	0.76	0.0041	U
Chlorobenzene	108-90-7	1.1	0.0041	U
Chloroform	67-66-3	0.37	0.0041	U
cis -1,2-Dichloroethene	156-59-2	0.25	0.0041	U
Methyl ethyl ketone	78-93-3	0.12	0.02	U
Methyl tert-butyl ether	1634-04-4	0.93	0.0041	U
Methylene chloride	75-09-2	0.05	0.0041	U
n-Butylbenzene	104-51-8	12	0.0041	U
N-Propylbenzene	103-65-1	3.9	0.0041	U
sec-Butylbenzene	135-98-8	11	0.0041	U
tert-Butylebenzene	98-06-6	5.9	0.0041	U
Tetrachloroethene	127-18-4	1.3	0.0041	U
trans-1,2-Dichloroethene	156-60-5	0.19	0.0041	U
Trichloroethene	79-01-6	0.47	0.0041	U
Vinyl chloride	75-01-4	0.02	0.0041	U
Total VOCs (mg/Kg) (Note 1)	NA	NL	----	U

Notes:

NL = Not Listed

NA = Not analyzed, not applicable.

U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.

NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Note 1 - Total VOCs includes BTEX compounds.

Table 4b
Import Fill Data - SVOCs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	IMPORT FILL - 1 480-66855-1 9/8/2014	
PAH Compounds (mg/Kg)					
Acenaphthene	83-32-9	20	500	0.0075	U
Acenaphthylene	208-96-8	100	500	0.0075	U
Anthracene	120-12-7	100	500	0.0075	U
Benzo(a)anthracene	56-55-3	1	5.6	0.0044	J
Benzo(a)pyrene	50-32-8	1	1	0.0075	U
Benzo(b)fluoranthene	205-99-2	1	5.6	0.0075	U
Benzo(ghi)perylene	191-24-2	100	500	0.0075	U
Benzo(k)fluoranthene	207-08-9	0.8	56	0.0075	U
Chrysene	218-01-9	1	56	0.0041	J
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0075	U
Fluoranthene	206-44-0	100	500	0.0059	J
Fluorene	86-73-7	30	500	0.0075	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	0.0075	U
Naphthalene	91-20-3	12	500	0.0075	U
Phenanthrene	85-01-8	100	500	0.0075	U
Pyrene	129-00-0	100	500	0.0049	J
Total PAHs (mg/Kg)	NA	NL	NL	0.0193	
Other SVOCs (mg/Kg)					
2-Methylphenol (o-cresol)	95-48-7	0.33	500	0.23	U
3-Methylphenol (m-cresol)	108-39-4	0.33	500	0.45	U
4-Methylphenol (p-cresol)	106-44-5	0.33	500	0.45	U
Dibenzofuran	132-64-9	7	350	0.056	U
Hexachlorobenzene	118-74-1	0.33	6	0.0075	U
Pentachlorophenol	87-86-5	0.8	6.7	0.17	U
Phenol	108-95-2	0.33	500	0.056	U
Total SVOCs (mg/Kg) (Note 1)	**NA**	NL	NL	0.0193	

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
Note 1 - Total SVOCs includes all of the PAH and SVOC compounds.

Table 4c
Import Fill Data - Pesticides and PCBs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	IMPORT FILL - 1 480-66855-1 9/8/2014	
Organochlorine Pesticides (mg/Kg)					
Aldrin	309-00-2	0.005	0.68	0.0092	U
alpha-BHC	319-84-6	0.02	3.4	0.0092	U
beta-BHC	319-85-7	0.036	3	0.0032	J
delta-BHC	319-86-8	0.04	500	0.0024	J
Chlordane (alpha)	5103-71-9	0.094	24	0.0069	J
4,4'-DDD	72-54-8	0.0033	92	0.0054	J
4,4'-DDE	72-55-9	0.0033	62	**0.017**	
4,4'-DDT	50-29-3	0.0033	47	**0.028**	
Dieldrin	60-57-1	0.005	1.4	**0.019**	
Endosulfan I	959-98-8	2.4	200	0.0092	U
Endosulfan II	33213-65-9	2.4	200	0.0092	U
Endosulfan sulfate	1031-07-8	2.4	200	0.0092	U
Endrin	72-20-8	0.014	89	0.0092	U
gamma-BHC (Lindane)	58-89-9	0.1	9.2	0.0025	J
Heptachlor	76-44-8	0.042	15	0.0092	U
PCBs (mg/Kg)					
Aroclor 1016	12674-11-2	NL	NL	0.24	U
Aroclor 1221	11104-28-2	NL	NL	0.24	U
Aroclor 1232	11141-16-5	NL	NL	0.24	U
Aroclor 1242	53469-21-9	NL	NL	0.24	U
Aroclor 1248	12672-29-6	NL	NL	0.24	U
Aroclor 1254	11097-69-1	NL	NL	0.24	U
Aroclor 1260	11096-82-5	NL	NL	0.24	U
Total PCBs (mg/Kg)	NA	0.1	1	---	U

Notes:
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 4d
Import Fill Data - Metals
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	IMPORT FILL - 1 480-66855-1 9/8/2014	
Metals (mg/Kg)					
Arsenic	7440-38-2	13	16	9.6	
Barium	7440-39-3	350	400	64.8	B
Beryllium	7440-41-7	7.2	590	0.47	
Cadmium	7440-43-9	2.5	9.3	0.34	
Chromium	7440-47-3	30[c]	1500	11.7	
Chromium (hexavalent)	18540-29-9	1	400	2.2	U
Copper	7440-50-8	50	270	30.5	
Lead	7439-92-1	63	1,000	17.7	
Manganese	7439-96-5	1,600	10,000	860	B
Total Mercury	7439-97-6	0.18	2.8	0.03	
Nickel	7440-02-0	30	310	23	
Selenium	7782-49-2	3.9	1,500	4.6	U
Silver	7440-22-4	2	1,500	0.68	U
Zinc	7440-66-6	109	10,000	120	B
Cyanide, Total	57-12-5	27	27	1.1	U

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
B = Compound was found in the blank and sample.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 5
DTP8 IRM Soil Confirmation Sample Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Protection of Public Health Commercial Use	DPT8-SW-1 (0-2) 480-66855-5 9/8/2014		DPT8-SW-2 (0-2)* 480-66937-1 9/15/2014		DPT8-NW-1 (0-2) 480-66855-2 9/8/2014		DPT8-EW-1 (0-2) 480-66855-3 9/8/2014		DPT8-BOT-1 (2) 480-66855-4 9/8/2014	
Metals (mg/Kg)												
Aluminum	7429-90-5	NL	14800		12600		15200		18400		16200	
Antimony	7440-36-0	NL	1.1	J	18	U	19.5	U	0.62	J	0.93	J
Arsenic	7440-38-2	16	8.5		7.2		7.6		6.3		4.9	
Barium	7440-39-3	400	109	B	82	B	96.4	B	106	B	118	B
Beryllium	7440-41-7	590	0.68		0.62		0.71		0.67		0.79	
Cadmium	7440-43-9	9.3	**23.3**		8.5		0.43		0.54		0.4	
Calcium	7440-70-2	NL	33500	B	47100	B	2100	B	2040	B	3060	B
Chromium	7440-47-3	1500	42.3		73.7		31.1		69		30.8	
Cobalt	7440-48-4	NL	18.6		9.7		12.8		13.7		10.5	
Copper	7440-50-8	270	**724**		174		15.2		11		30.9	
Iron	7439-89-6	NL	24100	B	21200		25400	B	27600	B	24000	B
Lead	7439-92-1	1,000	65.3		41		21.8		19		22.1	
Magnesium	7439-95-4	NL	12500	B	15200		3270	B	3880	B	5350	B
Manganese	7439-96-5	10,000	564	B	429	B	413	B	397	B	141	B
Total Mercury	7439-97-6	2.8	0.61		0.067		0.061		0.056		0.041	
Nickel	7440-02-0	310	40.1		32.3		18.2		17.9		26.7	
Potassium	7440-09-7	NL	2260		2120		1500		1590		2180	
Selenium	7782-49-2	1,500	4.6	U	4.8	U	5.2	U	5.3	U	5.2	U
Silver	7440-22-4	1,500	0.7	U	0.72	U	0.78	U	0.8	U	0.79	U
Sodium	7440-23-5	NL	196		169		372		190		175	J
Thallium	7440-28-0	NL	7	U	7.2	U	7.8	U	8	U	7.9	U
Vanadium	7440-62-2	NL	27		22.8		32		36.4		29.2	
Zinc	7440-66-6	10,000	373	B	147	B	70.5	B	78.4	B	88.7	B

Notes:
NL = Not Listed
NA = Not analyzed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Shaded/Bold value - compound detected at concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
* = Second confirmatory sample following additional excavation.

Table 5
DTP8 IRM Soil Confirmation Sample Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Protection of Public Health Commercial Use	DPT8-2-NW-1 (0-2) 480-66937-1 9/9/2014		DPT8-2-NW-2 (0-2)* 480-67301-2 9/15/2014		DPT8-2-SW-1 (0-2) 480-66937-2 9/9/2014		DPT8-2-WW-1 (0-2) 480-66937-3 9/9/2014		DPT8-2-BOT-1 (2) 480-66937-4 9/9/2014	
Metals (mg/Kg)												
Aluminum	7429-90-5	NL	13200		12200		13500		14800		15100	
Antimony	7440-36-0	NL	0.5	U	19.1	U	0.49	U	0.52	U	0.45	U
Arsenic	7440-38-2	16	7.2		7		12		4.9		7.1	
Barium	7440-39-3	400	77.1		76.5		94.4		115		124	
Beryllium	7440-41-7	590	0.65		0.7		0.74		0.8		0.77	
Cadmium	7440-43-9	9.3	0.54		0.44		3.3		0.4		0.62	
Calcium	7440-70-2	NL	2070	B	1970	B	41900	B	2620	B	2230	B
Chromium	7440-47-3	1500	27.9		384		50.6		21.2		65.4	
Cobalt	7440-48-4	NL	10.7		16.3		12.2		11.3		14.3	
Copper	7440-50-8	270	**331**		96		82.7		17.1		22.3	
Iron	7439-89-6	NL	23300		25900	B	363000		22200		25900	
Lead	7439-92-1	1,000	26		19.4		98.7		13.9		17.3	
Magnesium	7439-95-4	NL	2800		2740		8870		4170		4480	
Manganese	7439-96-5	10,000	639	B	592	B	693	B	778	B	1110	B
Total Mercury	7439-97-6	2.8	0.067		0.018		0.069		0.043		0.046	
Nickel	7440-02-0	310	37.1		16.7		27.7		28.3		32.3	
Potassium	7440-09-7	NL	1470		1160		1620		1470		1530	
Selenium	7782-49-2	1,500	1	J	0.81	J	0.5	J	0.68	J	0.45	U
Silver	7440-22-4	1,500	0.25	U	0.76	U	1.5		0.26	U	0.23	U
Sodium	7440-23-5	NL	132	J	108	J	140	J	145		164	
Thallium	7440-28-0	NL	0.37	U	7.6	U	0.37	U	0.39	U	0.34	U
Vanadium	7440-62-2	NL	27.9		26.9		26.5		23.8		24.1	
Zinc	7440-66-6	10,000	89.5	B	53.7	B	166		68.2		75.2	

Notes:
NL = Not Listed
NA = Not analyzed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Shaded/Bold value - compound detected at concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
* = Second confirmatory sample following additional excavation.

Table 6
TCLP Soil Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation **Laboratory Identification** **Date Sampled**	**CAS Number**	**Regulatory Level (mg/L) 40 CFR 261.24**	**(pounds)** **480-66937-16** **9/9/2014**	
TCLP VOCs (mg/L)				
Benzene	71-43-2	0.5	0.01	U
Carbon tetrachloride	56-23-5	0.5	0.01	U
Chlorobenzene	108-90-7	100	0.01	U
Chloroform	67-66-3	6	0.01	U
1,2-Dichloroethane	107-06-2	0.5	0.01	U
1,1-Dichloroethene	75-35-4	0.7	0.01	U
Methyl ethyl ketone	78-93-3	200	0.01	U
Tetrachloroethene	127-18-4	0.7	0.01	U
Trichloroethene	79-01-6	0.5	0.01	U
Vinyl chloride	75-01-4	0.2	0.01	U
TCLP SVOCs (mg/L)				
1,4-Dichlorobenzene	106-46-7	7.5	0.004	U
2,4,5-Trichlorophenol	95-95-4	400	0.02	U
2,4,6-Trichlorophenol	88-06-2	2	0.02	U
2,4-Dinitrotoluene	121-14-2	0.13	0.02	U
2-Methylphenol (o-cresol)	95-48-7	200	0.004	U
3-Methylphenol (m-cresol)	108-39-4	200	0.04	U
4-Methylphenol (p-cresol)	106-44-5	200	0.04	U
Hexachlorobenzene	118-74-1	0.13	0.02	U
Hexachlorobutadiene	87-68-3	0.5	0.02	U
Hexachloroethane	67-72-1	3	0.02	U
Nitrobenzene	98-95-3	2	0.004	U
Pentachlorophenol	87-86-5	100	0.04	U
Pyridine	110-86-1	5	0.02	U
TCLP Metals (mg/L)				
Arsenic	7440-38-2	5	0.0062	J
Barium	7440-39-3	100	0.75	B
Cadmium	7440-43-9	1	0.15	
Chromium	7440-47-3	5	0.019	
Lead	7439-92-1	5	0.15	U
Mercury	7439-97-6	0.2	0.0002	U
Selenium	7782-49-2	1	0.025	U
Silver	7440-22-4	5	0.006	U
General Chemistry				
Cyanide, Reactive (mg/Kg)	57-12-5	----	10	U
Sulfide, Reactive (mg/Kg)	18496-25-8	----	10	U
Flashpoint	----	<140 deg F	>200	
pH	----	2-12.5	7.93	HF

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
U = The material was analyzed for but not detected at or above the reporting limit. The associated
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Regulatory Level.
40 CFR 261.24 Toxicity Characteristic.

Table 7a
2005 IRM Re-Use Soil Data - VOCs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	IRM68-RU-1 (0-6) 480-67016-1 9/10/2014	
BTEX Compounds (mg/Kg)				
Benzene	71-43-2	0.06	0.0051	U
Ethylbenzene	100-41-4	1	0.0051	U
Toluene	108-88-3	0.7	0.0051	U
Xylene (mixed)	1330-20-7	0.26	0.01	U
Total BTEX (mg/Kg)	NA	NL	----	U
Other VOCs (mg/Kg)				
1,1,1-Trichloroethane	71-55-6	0.68	0.082	
1,1-Dichloroethane	75-34-3	0.27	0.031	
1,1-Dichloroethene	75-35-4	0.33	0.0013	J
1,2,4-Trimethylbenzene	95-63-6	3.6	0.0051	U
1,2-Dichlorobenzene	95-50-1	1.1	0.0051	U
1,2-Dichloroethane	107-06-2	0.02	0.0051	U
1,3,5-Trimethylbenzene	108-67-8	8.4	0.0051	U
1,3-Dichlorobenzene	541-73-1	2.4	0.0051	U
1,4-Dichlorobenzene	106-46-7	1.8	0.0051	U
1,4-Dioxane	123-91-1	0.1	0.1	U
Acetone	67-64-1	0.05	0.025	U
Carbon tetrachloride	56-23-5	0.76	0.0051	U
Chlorobenzene	108-90-7	1.1	0.0051	U
Chloroform	67-66-3	0.37	0.0051	U
cis -1,2-Dichloroethene	156-59-2	0.25	0.015	
Methyl ethyl ketone	78-93-3	0.12	0.025	U
Methyl tert-butyl ether	1634-04-4	0.93	0.0051	U
Methylene chloride	75-09-2	0.05	0.0051	U
n-Butylbenzene	104-51-8	12	0.0051	U
N-Propylbenzene	103-65-1	3.9	0.0051	U
sec-Butylbenzene	135-98-8	11	0.0051	U
tert-Butylebenzene	98-06-6	5.9	0.0051	U
Tetrachloroethene	127-18-4	1.3	0.0051	U
trans-1,2-Dichloroethene	156-60-5	0.19	0.0051	U
NA = Not a Trichloroethene	79-01-6	0.47	0.045	U
Vinyl chloride	75-01-4	0.02	0.0051	U
Total VOCs (mg/Kg) (Note 1)	NA	NL	0.1293	

Notes:

NL = Not Listed

NA = Not analyzed, not applicable.

U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.

NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Note 1 - Total VOCs includes BTEX compounds.

Table 7b
2005 IRM Re-Use Soil Data - SVOCs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	IRM68-RU-1 (0-6) 480-67016-1 9/10/2014	
PAH Compounds (mg/Kg)					
Acenaphthene	83-32-9	20	500	0.1	
Acenaphthylene	208-96-8	100	500	0.0075	U
Anthracene	120-12-7	100	500	0.22	
Benzo(a)anthracene	56-55-3	1	5.6	0.47	
Benzo(a)pyrene	50-32-8	1	1	0.44	
Benzo(b)fluoranthene	205-99-2	1	5.6	0.65	
Benzo(ghi)perylene	191-24-2	100	500	0.15	
Benzo(k)fluoranthene	207-08-9	0.8	56	0.29	
Chrysene	218-01-9	1	56	0.49	
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.038	
Fluoranthene	206-44-0	100	500	1.4	
Fluorene	86-73-7	30	500	0.11	
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	0.15	
Naphthalene	91-20-3	12	500	0.033	
Phenanthrene	85-01-8	100	500	1.1	
Pyrene	129-00-0	100	500	1	
Total PAHs (mg/Kg)	NA	NL	NL	6.641	
Other SVOCs (mg/Kg)					
2-Methylphenol (o-cresol)	95-48-7	0.33	500	0.23	U
3-Methylphenol (m-cresol)	108-39-4	0.33	500	0.45	U
4-Methylphenol (p-cresol)	106-44-5	0.33	500	0.45	U
Dibenzofuran	132-64-9	7	350	0.057	
Hexachlorobenzene	118-74-1	0.33	6	0.0075	
Pentachlorophenol	87-86-5	0.8	6.7	0.17	
Phenol	108-95-2	0.33	500	0.056	
Total SVOCs (mg/Kg) (Note 1)	**NA**	NL	NL	6.9315	

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
Note 1 - Total SVOCs includes all of the PAH and SVOC compounds.

Table 7c
2005 IRM Re-Use Soil Data - Pesticides and PCBs
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	IRM68-RU-1 (0-6) 480-67016-1 9/10/2014	
Organochlorine Pesticides (mg/Kg)					
Aldrin	309-00-2	0.005	0.68	0.037	U
alpha-BHC	319-84-6	0.02	3.4	0.011	J
beta-BHC	319-85-7	0.036	3	0.037	U
delta-BHC	319-86-8	0.04	500	0.037	U
Chlordane (alpha)	5103-71-9	0.094	24	0.037	U
4,4'-DDD	72-54-8	0.0033	92	0.037	U
4,4'-DDE	72-55-9	0.0033	62	0.037	U
4,4'-DDT	50-29-3	0.0033	47	0.037	U
Dieldrin	60-57-1	0.005	1.4	0.037	U
Endosulfan I	959-98-8	2.4	200	0.037	U
Endosulfan II	33213-65-9	2.4	200	0.037	U
Endosulfan sulfate	1031-07-8	2.4	200	0.037	U
Endrin	72-20-8	0.014	89	0.037	U
gamma-BHC (Lindane)	58-89-9	0.1	9.2	0.037	U
Heptachlor	76-44-8	0.042	15	0.037	U
PCBs (mg/Kg)					
Aroclor 1016	12674-11-2	NL	NL	0.22	U
Aroclor 1221	11104-28-2	NL	NL	0.22	U
Aroclor 1232	11141-16-5	NL	NL	0.22	U
Aroclor 1242	53469-21-9	NL	NL	0.22	U
Aroclor 1248	12672-29-6	NL	NL	0.22	U
Aroclor 1254	11097-69-1	NL	NL	0.22	U
Aroclor 1260	11096-82-5	NL	NL	0.11	J
Total PCBs (mg/Kg)	NA	0.1	1	0.11	J

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
NA = Not analyzed, not applicable.

Table 7d
2005 IRM Re-Use Data - Metals
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Health Commercial Use	IRM68-RU-1 (0-6) 480-67016-1 9/10/2014	
Metals (mg/Kg)					
Arsenic	7440-38-2	13	16	3.9	
Barium	7440-39-3	350	400	23.2	
Beryllium	7440-41-7	7.2	590	0.22	J
Cadmium	7440-43-9	2.5	9.3	2.1	
Chromium	7440-47-3	30[c]	1500	**36**	
Chromium (hexavalent)	18540-29-9	1	400	0.022	U
Copper	7440-50-8	50	270	18.6	
Lead	7439-92-1	63	1,000	161	
Manganese	7439-96-5	1,600	10,000	513	B
Total Mercury	7439-97-6	0.18	2.8	0.099	
Nickel	7440-02-0	30	310	11.8	
Selenium	7782-49-2	3.9	1,500	**4.6**	
Silver	7440-22-4	2	1,500	0.23	J
Zinc	7440-66-6	109	10,000	283	B
Cyanide, Total	57-12-5	27	27	1.1	U

Notes:
NL = Not Listed
NA = Not analyzed, not applicable.
B = Compound was found in the blank and sample.
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 8
IRM Soil Characterization VOC Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	IRM68-SW-1 (9) 480-66937-11 9/9/2014		IRM68-EW-1 (9) 480-66937-12 9/9/2014		IRM68-BOT-1 (10) 480-66937-14 9/9/2014		IRM68-NW-1 (9) 480-67016-2 9/10/2014		IRM68-WW-1 (9) 480-67016-3 9/10/2014	
BTEX Compounds (mg/Kg)												
Benzene	71-43-2	0.06	0.002	J	0.075	U	0.0024	J	0.06	U	0.06	U
Ethylbenzene	100-41-4	1	**6.9**	**DL**	0.075	U	0.11		0.2		**1.8**	
Toluene	108-88-3	0.7	**11**	**DL**	0.052	J	**5.4**	**DL**	**5.5**		**4**	
Xylene (mixed)	1330-20-7	0.26	**42**	**DL**	0.1	J	**6.3**	**DL**	**11**		**12**	**DL**
Total BTEX (mg/Kg)	NA	NL	59.902		0.152		11.8124		16.7		17.8	
Other VOCs (mg/Kg)												
1,1,1-Trichloroethane	71-55-6	0.68	**80**	**DL**	**25**	**DL**	**66**	**DL**	**110**	**DL**	**19**	**DL**
1,1,2,2-Tetrachloroethane	79-34-5	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
1,1,2-Trichloroethane	79-00-5	NL	0.073		0.027	J	1.7	U	0.32		0.14	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	1.3	U	7.5	DL	5.4	DL	41	DL	5.5	
1,1-Dichloroethane	75-34-3	0.27	**2**	**DL**	**0.82**		**2.6**	**DL**	**1.6**		0.12	
1,1-Dichloroethene	75-35-4	0.33	**15**	**DL**	**5.3**		**15**	**DL**	**23**	**DL**	**4.2**	
1,2,4-trichlorobenzene	120-82-1	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
1,2-Dibromo-3-chloropropane	96-12-8	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
1,2-Dibromoethane	106-93-4	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
1,2-Dichlorobenzene	95-50-1	1.1	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
1,2-Dichloroethane	107-06-2	0.02	0.0061		0.075	U	0.017		**0.028**	**J**	0.06	U
1-2 Dichloropropane	78-87-5	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
1,3-Dichlorobenzene	541-73-1	2.4	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
1,4-Dichlorobenzene	106-46-7	1.8	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Methyl ethyl ketone	78-93-3	0.12	0.026	U	0.38	U	**0.26**		0.3	U	0.3	U
2-Hexanone	591-78-6	NL	0.026	U	0.38	U	0.026	U	0.3	U	0.3	U
4-Methyl-2-Pentanone	108-10-1	NL	0.0056	J	0.38	U	0.037		0.021	J	0.36	
Acetone	67-64-1	0.05	**0.068**		0.38	U	**0.52**		0.3	U	0.3	U
Bromodichloromethane	75-27-4	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Bromoform	75-25-2	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Bromomethane	74-83-9	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Carbon Disulfide	75-15-0	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Carbon tetrachloride	56-23-5	0.76	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Chlorobenzene	108-90-7	1.1	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Chloroethane	75-00-3	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Chloroform	67-66-3	0.37	0.0051	U	0.075	U	0.00091	J	0.06	U	0.06	U
Chloromethane	74-87-3	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
cis -1,2-Dichloroethene	156-59-2	0.25	**33**	**DL**	**5.5**		**1.5**	**J DL**	**0.37**		**2.4**	
cis-1,3-Dichloropropene	10061-01-5	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Cyclohexane	110-82-7	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Dibromochloromethane	124-48-1	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Dichlorodifluoromethane	75-71-8	NL	0.0051	U	0.075	U	0.0034	J	0.06	U	0.06	U
Isopropylbenzene	98-82-8	NL	0.0074		0.075	U	0.0011	J	0.012	J	0.029	J
Methyl acetate	79-20-9	NL	0.0051	U	0.095		0.0052	U	0.06	U	0.032	J
Methyl tert-butyl ether	1634-04-4	0.93	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Methylcyclohexane	108-87-2	NL	0.026		0.075	U	0.0053		0.06	U	0.06	U
Methylene chloride	75-09-2	0.05	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Styrene	100-42-5	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Tetrachloroethene	127-18-4	1.3	0.0052		0.17		0.016		0.044	J	0.017	J
trans-1,2-Dichloroethene	156-60-5	0.19	0.039		0.075	U	0.02		0.06	U	0.06	U
trans-1,3-Dichloropropene	10061-02-6	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Trichloroethene	79-01-6	0.47	**15**	**DL**	**9.6**	**DL**	**110**	**DL**	**6.8**	**DL**	**0.78**	
Trichlorofluoromethane	75-69-4	NL	0.0051	U	0.075	U	0.0052	U	0.06	U	0.06	U
Vinyl chloride	75-01-4	0.02	0.0065		0.075	U	0.0039	U	0.06	U	0.06	U
Total VOCs (mg/Kg) (Note 1)	NA	NL	205.0658		54.164		213.19311		199.895		50.378	

Notes:

NL = Not Listed

NA = Not analyzed, not applicable.

U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
DL = Dilution; re-analysis

Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.

NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Note 1 - Total VOCs includes BTEX compounds.

Table 9
Post-Injection Groundwater VOC Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation / Laboratory Identification / Date Sampled	CAS Number	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-30 480-84790-10 07/29/2015		MW-35S 480-84681-8 07/28/2015		MW-36S 480-84790-3 07/29/2015		A1-GP02-S 480-84681-3 07/28/2015		A1-GP06-S 480-84624-3 07/27/2015		A1-GP10-S 480-84681-5 7/28/2015	
BTEX Compounds (ug/L)														
Benzene	71-43-2	1 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Toluene	108-88-3	5 s	1.0	U	1.0	U	1.0	U	100	U	**15**		25	U
Ethylbenzene	100-41-4	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Xylenes (total)	1330-20-7	5 s	2.0	U	2.0	U	2.0	U	200	U	2.0	U	50	U
Total BTEX Compounds (ug/L)	NA	NL	---	U	---	U	---	U	---	U	15		---	U
Other VOCs (ug/L)														
1,1,1-Trichloroethane	71-55-6	5 s	1.0	U	1.0	U	1.0	U	100	U	**110**		**12000**	
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	1.0	U	1.0	U	1.0	U	100	U	**300**		**430**	
1,1,2-Trichloroethane	79-00-5	1 s	1.0	U	1.0	U	1.0	U	100	U	**4.1**		25	U
1,1-Dichloroethane	75-34-3	5 s	**1.4**		1.0	U	0.52	J	100	U	**3300**		**2900**	
1,1-Dichloroethene	75-35-4	5 s	1.0	U	1.0	U	1.0	U	34	J	**60**		**1600**	
1,2,4-Trichlorobenzene	120-82-1	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dibromoethane	106-93-4	0.0006 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dichlorobenzene	95-50-1	3 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,2-Dichloroethane	107-06-2	0.6 s	1.0	U	1.0	U	1.0	U	100	U	**3.1**		**9.6**	**J**
1,2-Dichloropropane	78-87-5	1 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,3-Dichlorobenzene	541-73-1	3 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
1,4-Dichlorobenzene	106-46-7	3 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
2-Butanone	78-93-3	50 g	10	U	10	U	**170**		1000	U	**140**		**380**	
2-Hexanone	591-78-6	50 g	5.0	U	5.0	U	**28**		500	U	5.0	U	130	U
4-Methyl-2-pentanone	108-10-1	NL	5.0	U	5.0	U	5.0	U	500	U	5.0	U	130	U
Acetone	67-64-1	50 g	10	U	10	U	**400**		360	J	**50**		**950**	
Bromodichloromethane	75-27-4	50 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Bromoform	75-25-2	50 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Bromomethane	74-83-9	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Carbon disulfide	75-15-0	60 g	1.0	U	1.0	U	**2.1**		100	U	0.34	J	25	U
Carbon tetrachloride	56-23-5	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Chlorobenzene	108-90-7	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Chloroethane	75-00-3	5 s	1.0	U	1.0	U	1.0	U	100	U	**36**		25	U
Chloroform	67-66-3	7 s	1.0	U	1.0	U	1.0	U	100	U	0.68	J	16	J
Chloromethane	74-87-3	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
cis-1,2-Dichloroethene	156-59-2	5 s	**5.2**		1.0	U	**1.4**		**23000**		**270**		**45**	
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Cyclohexane	110-82-7	NL	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Dibromochloromethane	124-48-1	50 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Dichlorodifluoromethane	75-71-8	5 s	1.0	U	1.0	U	1.0	U	100	U	**190**		25	U
Isopropylbenzene	98-82-8	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Methyl acetate	79-20-9	NL	2.5	U	2.5	U	2.5	U	250	U	**16**		63	U
Methyl tert-butyl ether	1634-04-4	10 g	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Methylcyclohexane	108-87-2	NL	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Methylene chloride	75-09-2	5 s	1.0	U	1.0	U	1.0	U	92	J	1.0	U	20	J
Styrene	100-42-5	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Tetrachloroethene	127-18-4	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
trans-1,2-Dichloroethene	156-60-5	5 s	1.0	U	1.0	U	1.0	U	**120**		**3.2**		25	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Trichloroethene	79-01-6	5 s	**1.1**		1.0	U	1.0	U	**8000**		**18**		**36**	
Trichlorofluoromethane	75-69-4	5 s	1.0	U	1.0	U	1.0	U	100	U	1.0	U	25	U
Vinyl chloride	75-01-4	2 s	**1.4**		1.0	U	1.0	U	**140**		**16**		25	U
Total VOCs (ug/L) (Note 2)	NA	NL	9.1		---	U	602.02		31,746		4,532.42		18,386.60	
Total Organic Carbon (mg/L)	NA	NL	**3.7**		**2**	**B**	**1130**	**B**	**3700**		**1420**		**1570**	

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit
Shaded value - Compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 9
Post-Injection Groundwater VOC Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation / Laboratory Identification / Date Sampled	CAS Number	NYSDEC Groundwater Guidance or Standard Value (Note 1)	A1-GP15-S 480-84790-6 07/29/2015		A1-GP18-S 480-84624-4 07/27/2015		MW-35D 480-84681-4 07/28/2015		MW-36D 480-84790-4 07/29/2015		MW-37D 480-84790-5 07/29/2015		MW-38D 480-84624-1 07/27/2015	
BTEX Compounds (ug/L)														
Benzene	71-43-2	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Toluene	108-88-3	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Ethylbenzene	100-41-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	3.8	J
Xylenes (total)	1330-20-7	5 s	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	4.8	J
Total BTEX Compounds (ug/L)	NA	NL	---	U	---	U	---	U	---	U	---	U	8.6	J
Other VOCs (ug/L)														
1,1,1-Trichloroethane	71-55-6	5 s	**3.0**		1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1,2-Trichloroethane	79-00-5	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,1-Dichloroethane	75-34-3	5 s	1.0	U	1.0	U	1.0	U	0.57	J	1.0	U	4.0	U
1,1-Dichloroethene	75-35-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2,4-Trichlorobenzene	120-82-1	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dibromoethane	106-93-4	0.0006 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dichlorobenzene	95-50-1	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dichloroethane	107-06-2	0.6 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,2-Dichloropropane	78-87-5	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,3-Dichlorobenzene	541-73-1	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
1,4-Dichlorobenzene	106-46-7	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
2-Butanone	78-93-3	50 g	10	U	**130**		10	U	**130**		**280**		40	U
2-Hexanone	591-78-6	50 g	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	20	U
4-Methyl-2-pentanone	108-10-1	NL	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	20	U
Acetone	67-64-1	50 g	**11**		**140**		10	U	10	U	**50**		40	U
Bromodichloromethane	75-27-4	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Bromoform	75-25-2	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Bromomethane	74-83-9	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Carbon disulfide	75-15-0	60 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Carbon tetrachloride	56-23-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chlorobenzene	108-90-7	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chloroethane	75-00-3	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chloroform	67-66-3	7 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Chloromethane	74-87-3	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
cis-1,2-Dichloroethene	156-59-2	5 s	**6.5**		**3.0**		1.0	U	1.0	U	1.0	U	**390**	
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Cyclohexane	110-82-7	NL	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Dibromochloromethane	124-48-1	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Dichlorodifluoromethane	75-71-8	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Isopropylbenzene	98-82-8	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Methyl acetate	79-20-9	NL	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	10	U
Methyl tert-butyl ether	1634-04-4	10 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Methylcyclohexane	108-87-2	NL	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Methylene chloride	75-09-2	5 s	1.0	U	1.0	U	1.0	U	0.67	J	1.0	U	4.0	U
Styrene	100-42-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Tetrachloroethene	127-18-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
trans-1,2-Dichloroethene	156-60-5	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Trichloroethene	79-01-6	5 s	**4.0**		1.0	U	1.0	U	1.0	U	1.0	U	**6.8**	
Trichlorofluoromethane	75-69-4	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	4.0	U
Vinyl chloride	75-01-4	2 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	**60**	
Total VOCs (ug/L) (Note 2)	NA	NL	24.5		273.0		---	U	131.24		330		465.4	
Total Organic Carbon (mg/L)	NA	NL	**3.6**	**B**	**829**	**B**	**3.3**	**B**	**4880**	**B**	**1060**	**B**	**7240**	

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit
Shaded value - Compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 9
Post-Injection Groundwater VOC Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation / Laboratory Identification / Date Sampled	CAS Number	NYSDEC Groundwater Guidance or Standard Value (Note 1)	MW-39D 480-84790-7 07/29/2015		MW-40D 480-84624-2 07/27/2015		MW-42S 480-84624-5 07/27/2015		MW-43S 480-84790-1 07/29/2015		MW-44S 480-84790-2 07/29/2015	
BTEX Compounds (ug/L)												
Benzene	71-43-2	1 s	1.0	U	100	U	200	U	**1.3**		5.0	U
Toluene	108-88-3	5 s	1.0	U	100	U	**590**		0.97	J	5.0	U
Ethylbenzene	100-41-4	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Xylenes (total)	1330-20-7	5 s	2.0	U	200	U	400	U	1.7	J	10	U
Total BTEX Compounds (ug/L)	NA	NL	---	U	---	U	590		3.97		---	U
Other VOCs (ug/L)												
1,1,1-Trichloroethane	71-55-6	5 s	1.0	U	100	U	**1700**		1.0	U	5.0	U
1,1,2,2-Tetrachloroethane	79-34-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5 s	1.0	U	100	U	**660**		1.0	U	5.0	U
1,1,2-Trichloroethane	79-00-5	1 s	1.0	U	100	U	71	J	1.0	U	5.0	U
1,1-Dichloroethane	75-34-3	5 s	0.80	J	**12000**		**9700**		**29**		5.0	U
1,1-Dichloroethene	75-35-4	5 s	1.0	U	64	J	**2400**		1.0	U	5.0	U
1,2,4-Trichlorobenzene	120-82-1	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dibromoethane	106-93-4	0.0006 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dichlorobenzene	95-50-1	3 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,2-Dichloroethane	107-06-2	0.6 s	1.0	U	100	U	44	J	1.0	U	5.0	U
1,2-Dichloropropane	78-87-5	1 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,3-Dichlorobenzene	541-73-1	3 s	1.0	U	100	U	200	U	1.0	U	5.0	U
1,4-Dichlorobenzene	106-46-7	3 s	1.0	U	100	U	200	U	1.0	U	5.0	U
2-Butanone	78-93-3	50 g	**420**		260	J	2000	U	**250**		50	U
2-Hexanone	591-78-6	50 g	5.0	U	500	U	1000	U	3.1	J	25	U
4-Methyl-2-pentanone	108-10-1	NL	5.0	U	500	U	1000	U	5.0	U	25	U
Acetone	67-64-1	50 g	**18**		1000	U	2000	U	**980**		50	U
Bromodichloromethane	75-27-4	50 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Bromoform	75-25-2	50 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Bromomethane	74-83-9	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Carbon disulfide	75-15-0	60 g	1.0	U	100	U	200	U	1.0	U	0.96	J
Carbon tetrachloride	56-23-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Chlorobenzene	108-90-7	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Chloroethane	75-00-3	5 s	1.0	U	**1100**		**170**	**J**	**13**		5.0	U
Chloroform	67-66-3	7 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Chloromethane	74-87-3	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
cis-1,2-Dichloroethene	156-59-2	5 s	1.0	U	100	U	**6700**		**46**		5.0	U
cis-1,3-Dichloropropene	10061-01-5	0.4 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Cyclohexane	110-82-7	NL	1.0	U	100	U	200	U	1.0	U	5.0	U
Dibromochloromethane	124-48-1	50 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Dichlorodifluoromethane	75-71-8	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Isopropylbenzene	98-82-8	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Methyl acetate	79-20-9	NL	**21**		250	U	500	U	2.5	U	13	U
Methyl tert-butyl ether	1634-04-4	10 g	1.0	U	100	U	200	U	1.0	U	5.0	U
Methylcyclohexane	108-87-2	NL	1.0	U	100	U	200	U	1.0	U	5.0	U
Methylene chloride	75-09-2	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Styrene	100-42-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Tetrachloroethene	127-18-4	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
trans-1,2-Dichloroethene	156-60-5	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
trans-1,3-Dichloropropene	10061-02-6	0.4 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Trichloroethene	79-01-6	5 s	1.0	U	100	U	**280**		0.60	J	5.0	U
Trichlorofluoromethane	75-69-4	5 s	1.0	U	100	U	200	U	1.0	U	5.0	U
Vinyl chloride	75-01-4	2 s	1.0	U	100	U	200	U	**7.0**		5.0	U
Total VOCs (ug/L) (Note 2)	NA	NL	459.80		13,424		22,315		1,332.67		0.96	
Total Organic Carbon (mg/L)	NA	NL	**3340**	**B**	**1260**		**1560**		**2060**	**B**	**31.6**	**B**

Notes:
NA = Not analyzed, not applicable.
NL = Not listed.
U = The material was analyzed for but not detected at, or above, the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit
Shaded value - Compound detected in a concentration greater than the groundwater standard or guidance value.
s = Standard Value
g = Guidance Value
Note 1 - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) [NYSDEC, 1998, with addenda through 2004].
Note 2 - Total VOCs includes BTEX compounds.

Table 10
Baseline and Post-Injection TOC Data
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation	Date Sampled	Total Organic Carbon (mg/L)
MW-30	07/29/2015	3.7
MW-35S	3/11/2015	2.4
	07/28/2015	2 B
MW-36S	3/10/2015	2.0
	07/29/2015	1130 B
A1-GP02-S	3/10/2015	3.3
	07/28/2015	3700
A1-GP06-S	3/11/2015	5.5
	07/27/2015	1420
A1-GP10-S	3/11/2015	2.7
	7/28/2015	1570
A1-GP15-S	3/11/2015	2.2
	7/29/2015	3.6 B
A1-GP18-S	3/11/2015	1.0
	7/27/2015	829 B
MW-35D	3/12/2015	4.7
	7/28/2015	3.3 B

Sample Designation	Date Sampled	Total Organic Carbon (mg/L)
MW-36D	3/10/2015	1.2
	7/29/2015	4880 B
MW-37D	3/10/2015	0.65 J
	7/29/2015	1060 B
MW-38D	3/10/2015	2.5
	7/27/2015	7240
MW-39D	3/10/2015	0.55 J
	07/29/2015	3340 B
MW-40D	3/11/2015	1.8
	07/27/2015	1260
MW-42S	3/12/2015	15.7
	07/27/2015	1560
MW-43S	3/12/2015	2.1
	07/29/2015	2060 B
MW-44S	07/29/2015	31.6 B

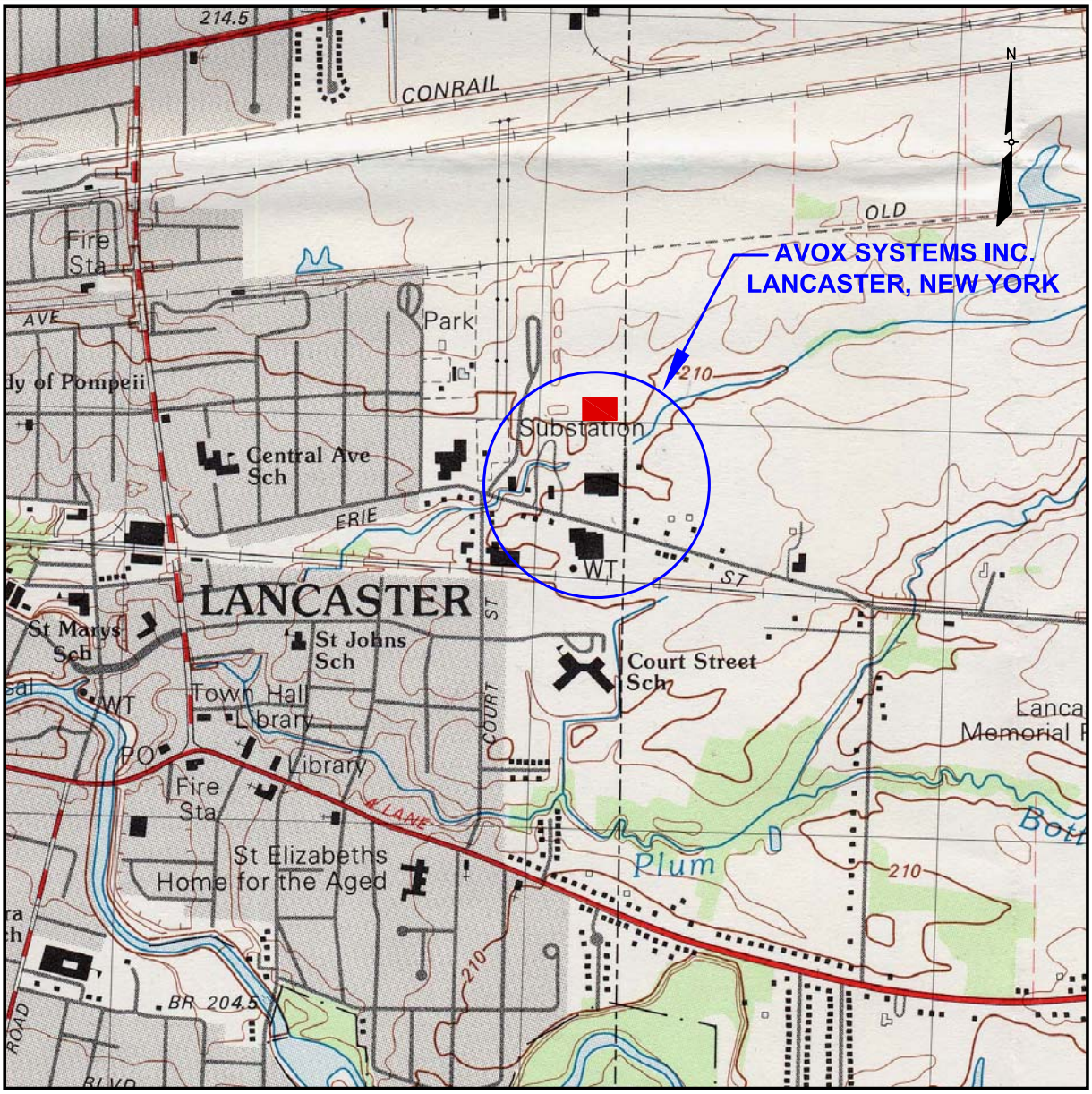
Note 1: MW-30 and MW-44S were not sampled as part of the pre-injection baseline.
J = The associated numerical value is an estimated quantity.
B= Compound was found in the blank and sample.

Table 11
Baseline and Post-Injection MNA Data
Former Scott Aviation Facilty Area 1 BCP Site

Well ID		MW35D		MW38D		MW40D		A1-GP6S		A1-GP10S		A1-GP18S	
Sample Date		11/5/2014	7/28/2015	11/5/2014	7/27/2015	11/6/2014	7/27/2015	11/5/2014	7/27/2015	11/5/2014	7/28/2015	11/5/2014	7/27/2015
Electron Acceptors	Dissolved Oxygen (mg/L)	0.87	0.90	0.21	0.36	0.46	0.56	1.00	0.63	2.15	4.31	3.11	0.89
	Nitrate (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Manganese (mg/L)	0.050	0.021	0.025	2	0.0020	0.44	0.047	1.6	0.042	22	2.3	0.83
	Ferric Iron (mg/L)	2.3	ND	0.98	397	0.24	59.7	0.27	45.5	0.63	2.3	121	17.8
	Sulfate (mg/L)	9.1	4.4	4.8	ND	ND	ND	22.0	ND	8.3	ND	27.8	ND
Biodegradation Intermediates and End Products	Carbon Dioxide (mg/L)	3.2	1.6	5.5	79	1.4	7.6	9.5	10	9.8	39	8.2	17
	Methane (mg/L)	3.9	2.9	1.2	0.0064	1.4	1.8	0.044	0.66	0.091	0.091	0.26	0.52
	Nitrite (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nutrients	Phosphorus (mg/L)	0.0091	ND	0.27	2.3	ND	0.92	ND	0.42	ND	0.044	0.65	1.2
	Ammonia (mg/L)	0.37	0.32	0.14	0.49	0.61	0.2	0.23	0.19	0.033	0.039	0.18	0.24
Oxygen Demand	COD (mg/L)	18.7	ND	229	33600	12.9	4220	19.6	3220	27.4	4400	ND	2440
	BOD (mg/L)	5.2	5.6	68.2	18900	2.7	2890	ND	3410	3.0	>3531.33	ND	1140
Bioindicators	Total Alkalinity (mg/L)	260	256	489	5150	291	1900	376	2430	388	2650	359	1100
	Ferrous Iron (mg/L)	0.12	4.8	ND	105	ND	44.3	ND	27.6	0.17	2.3	ND	2.1
Field Parameters	ORP (mV)	-56.6	-104.4	-114.6	-57.6	-14	-108.9	-57.4	-106.2	-68.2	13.4	-69.7	-40.5
	Temperature (°C)	12.98	13.97	12.85	17.39	12.18	15.85	12.74	15.83	12.65	15.90	12.36	14.30
	pH	7.47	7.71	7.7	5.67	8.31	6.54	7.19	6.8	6.9	6.33	7.3	6.08
	Conductivity (mS/cm)	0.399	0.454	0.658	5.771	0.624	2.820	0.759	3.365	1.007	3.454	0.587	3.265
Ethane/Ethene	Ethane (mg/L)	NA	0.0015 J	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND
	Ethene (mg/L)	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND
Iron (Method 200.7)	Iron (mg/L)	NA	0.49	NA	502	NA	104	NA	73.1	NA	4.6	NA	19.9
Acids	Acetic Acid (mg/L)	NA	ND	NA	2420	NA	1300	NA	1730	NA	1270	NA	329
	Formic Acid (mg/L)	NA	ND	NA	693	NA	ND	NA	14.4	NA	15.2	NA	ND
	Lactic Acid (mg/L)	NA	ND	NA	746	NA	ND	NA	ND	NA	ND	NA	ND
	n-Butyric Acid (mg/L)	NA	ND	NA	1860	NA	95	NA	137	NA	131.00	NA	111
	Propionic Acid (mg/L)	NA	ND	NA	966	NA	672	NA	836	NA	1510	NA	446
	Pyruvic Acid (mg/L)	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND

COD - Chemical Oxygen Demand
BOD - Biological Demand
ORP - Oxygen Reduction Potential
mg/L- milligrams per liter
mV - millivolts
°C - degrees Celsius
mS/cm - milli-Siemens per centimeter
NA = Not available.
ND = not detected.

FIGURES



SOURCE:
1982 GEOLOGIC SURVEY 7.5 X 15 MINUTE TOPOGRAPHIC QUADRANGLE
LANCASTER, NEW YORK

LEGEND

AVOX PLANT 3 ADDED AFTER PUBLICATION OF LANCASTER, NEW YORK TOPOGRAPHIC QUADRANGLE.

0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

\\USGRNS01\data\work\60147012\CADD\60147012_063 Site Loc Map.dwg, 10/18/2010 5:54:53 PM, splawnm

N

LEGEND

- BROWNFIELD CLEANUP BOUNDARY FOR AREA 1
- FENCE
- GATE
- BRUSH LINE
- RAILROAD TRACKS
- STORM SEWER AND FLOW DIRECTION
- CB — CATCH BASIN
- 4-FT SQUARE CONCRETE MONUMENT
- 2005 INTERIM REMEDIAL MEASURE SOIL EXCAVATION AREA

ASPHALT PARKING LOT

ASPHALT PARKING LOT

LOCATION OF NYSDEC SPILL ID 99-75-229

AVOX PLANT 2

QUICK-CUT

ASPHALT PARKING LOT

RESIDENCE

RESIDENTIAL GARAGE

ERIE STREET

BCP SITE

AVOX PLANT 1

CB-1

CB-W

CB-2

CB-3

CB-E

CB-4

BOILER ROOM

FORMER SHED

BLOCK BLDG

DEC ENVIRONMENTAL EASEMENT
±1.25 ACRES TOTAL
TAX ID 104.16-5-8:215 ERIE STREET
(APPROXIMATE BOUNDARY)

DEC ENVIRONMENTAL EASEMENT
±1.25 ACRES TOTAL
TAX ID 104.16-5-9:221 ERIE STREET
(APPROXIMATE BOUNDARY)

(REPUTED OWNER)
ELLEN WILLARD
TAX ID 104.16-5-7
(APPROXIMATE BOUNDARY)

(REPUTED OWNER)
ERIE RAILROAD
TAX ID 104.16-5-1
(APPROXIMATE BOUNDARY)

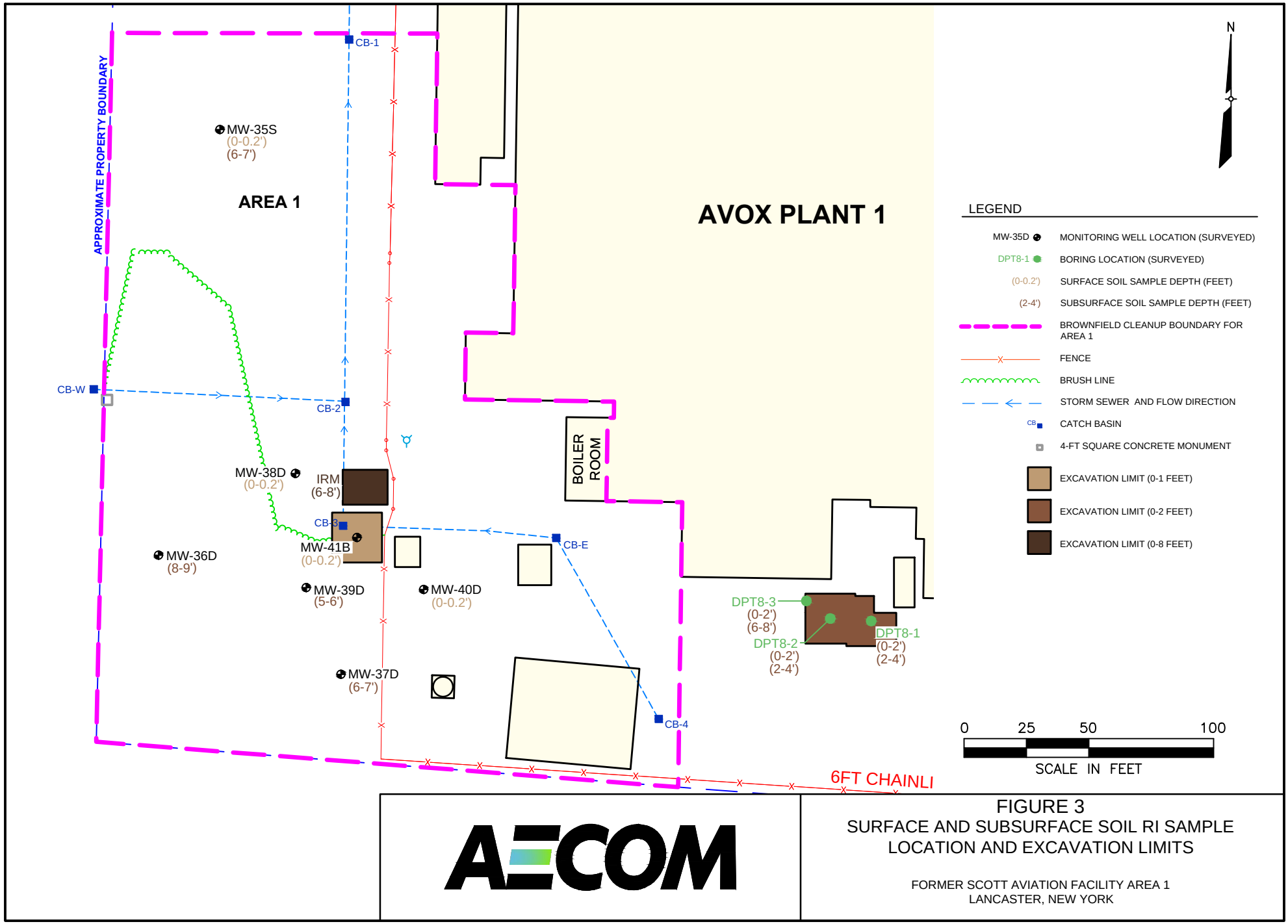
0 50 100 200

SCALE IN FEET

AECOM

FIGURE 2
SITE LAYOUT MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

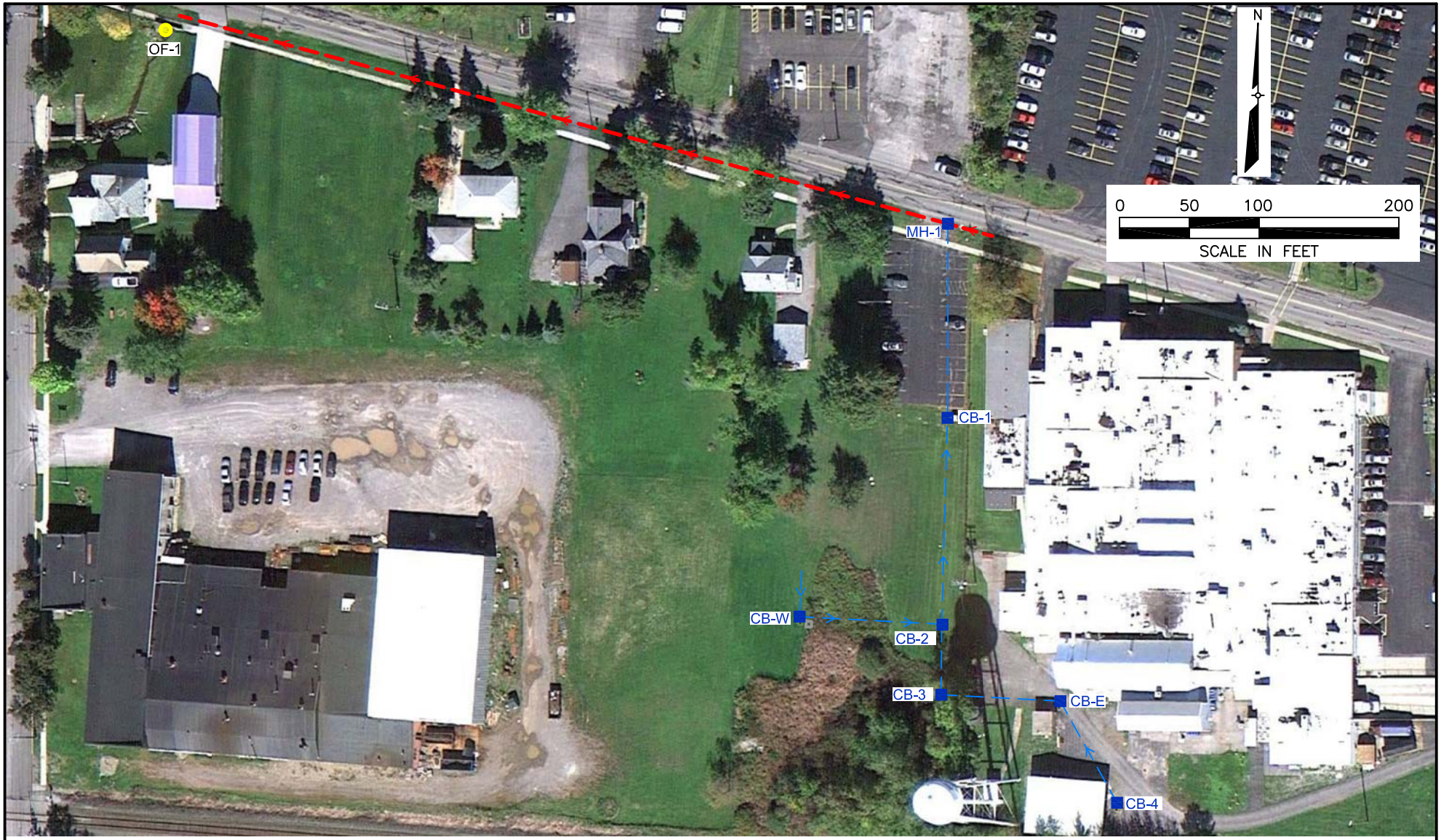


AECOM

FIGURE 3
SURFACE AND SUBSURFACE SOIL RI SAMPLE LOCATION AND EXCAVATION LIMITS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_143 Surface and Subsurface Soil RI Sam Loc and Excavation Limits.dwg, 12/9/2015 3:19:42 PM, Splawnm



LEGEND

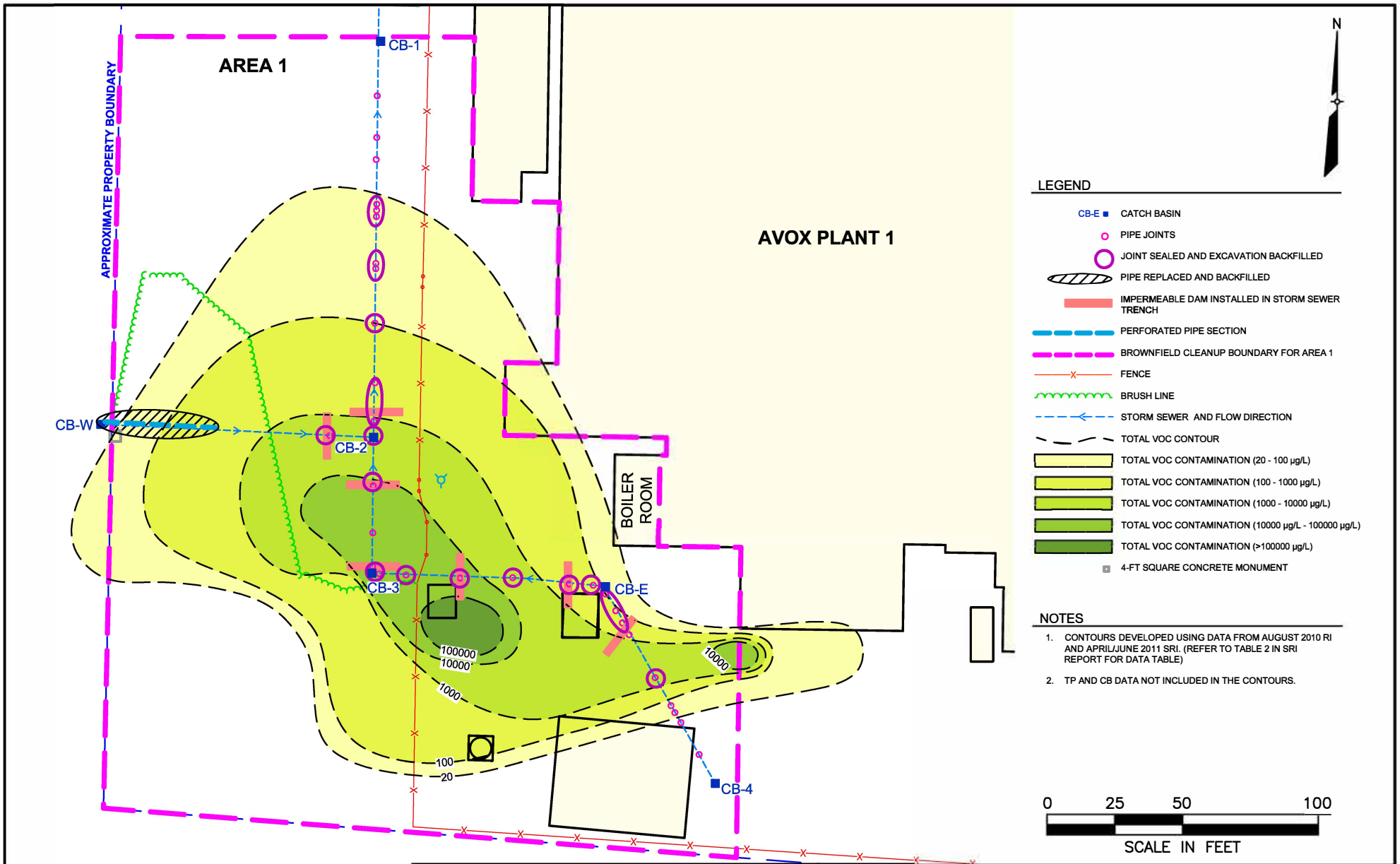
- CB-E ■ CATCH BASIN
- OF-1 ● OUTFALL
- STORM SEWER AND FLOW DIRECTION
- ESTIMATED STORM SEWER LOCATION

AECOM

FIGURE 4
LOCATION OF STORM SEWER SYSTEM

FORMER SCOTT AVIATION FACILITY BCP SITE
LANCASTER, NEW YORK

L:\work\60147012\CADD\60147012_133 Location of Storm Sewer System.dwg, 9/24/2015 7:51:14 AM, Splawnm

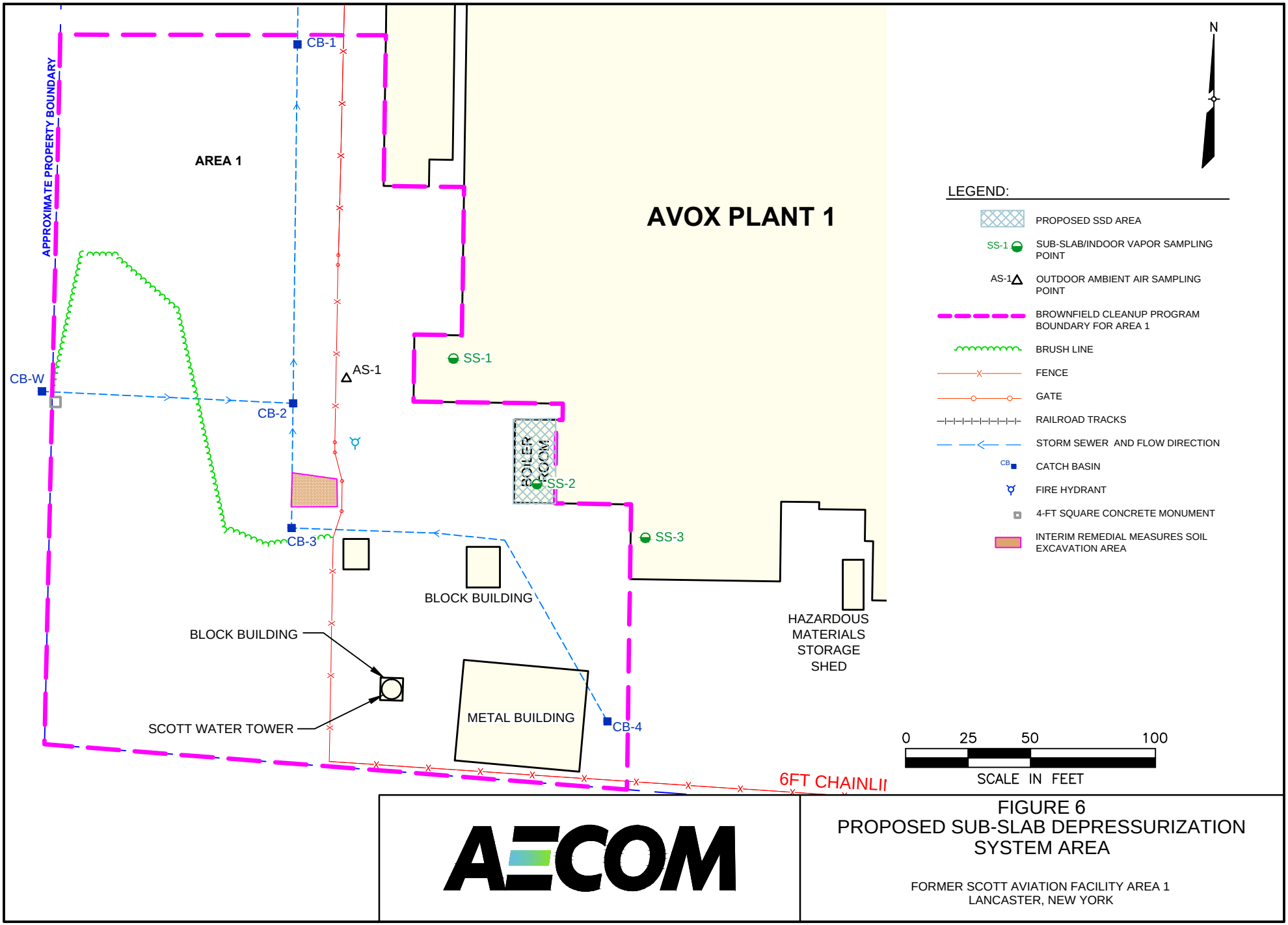


AECOM

FIGURE 5
SHALLOW TVOC PLUME WITH COMPLETED STORM SEWER IRM LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_142 Shallow TVOC Plume w Completed Storm Sewer IRM Locs.dwg, 12/9/2015 3:18:12 PM, Splawnm

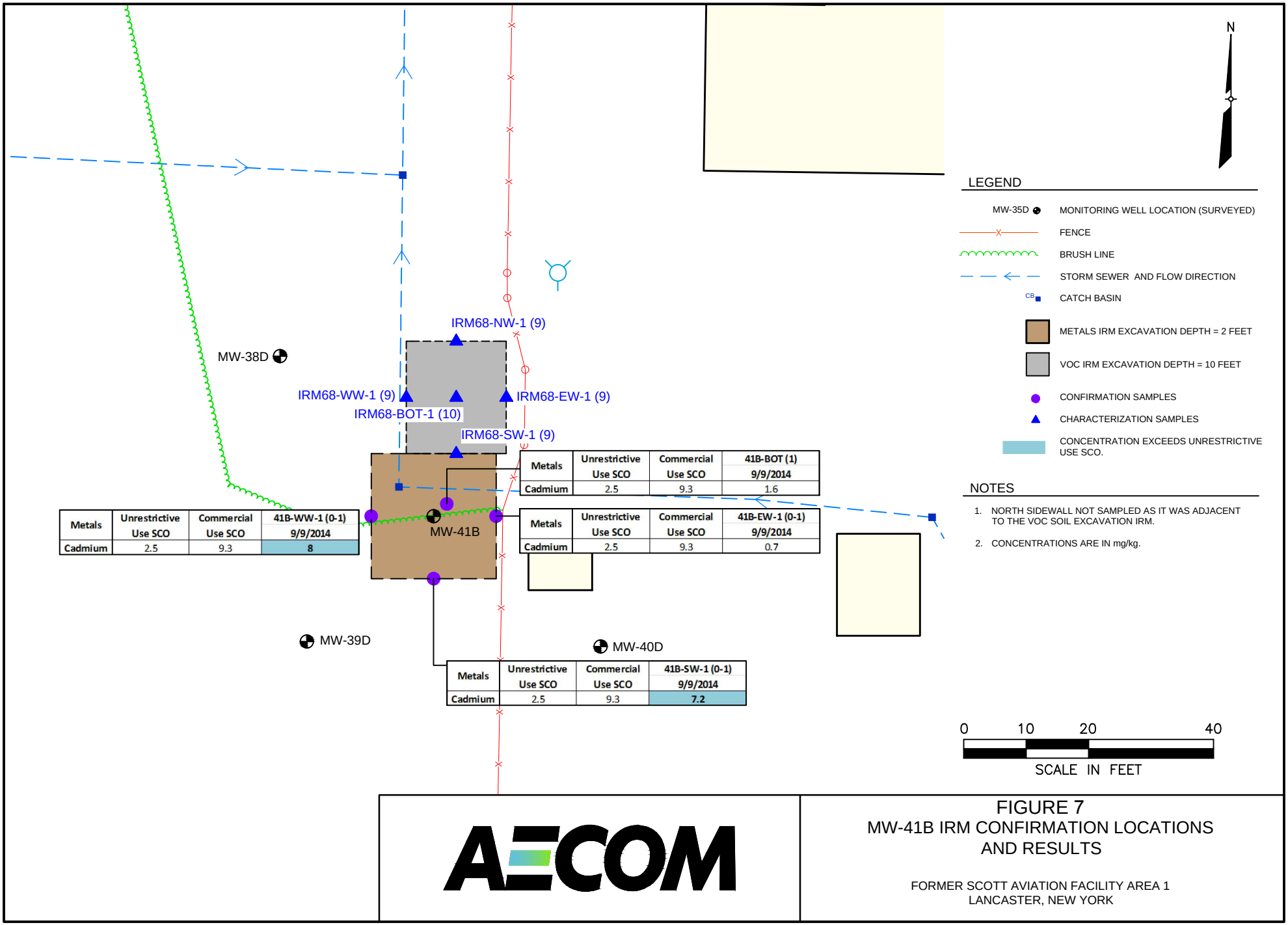


AECOM

FIGURE 6
PROPOSED SUB-SLAB DEPRESSURIZATION SYSTEM AREA

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

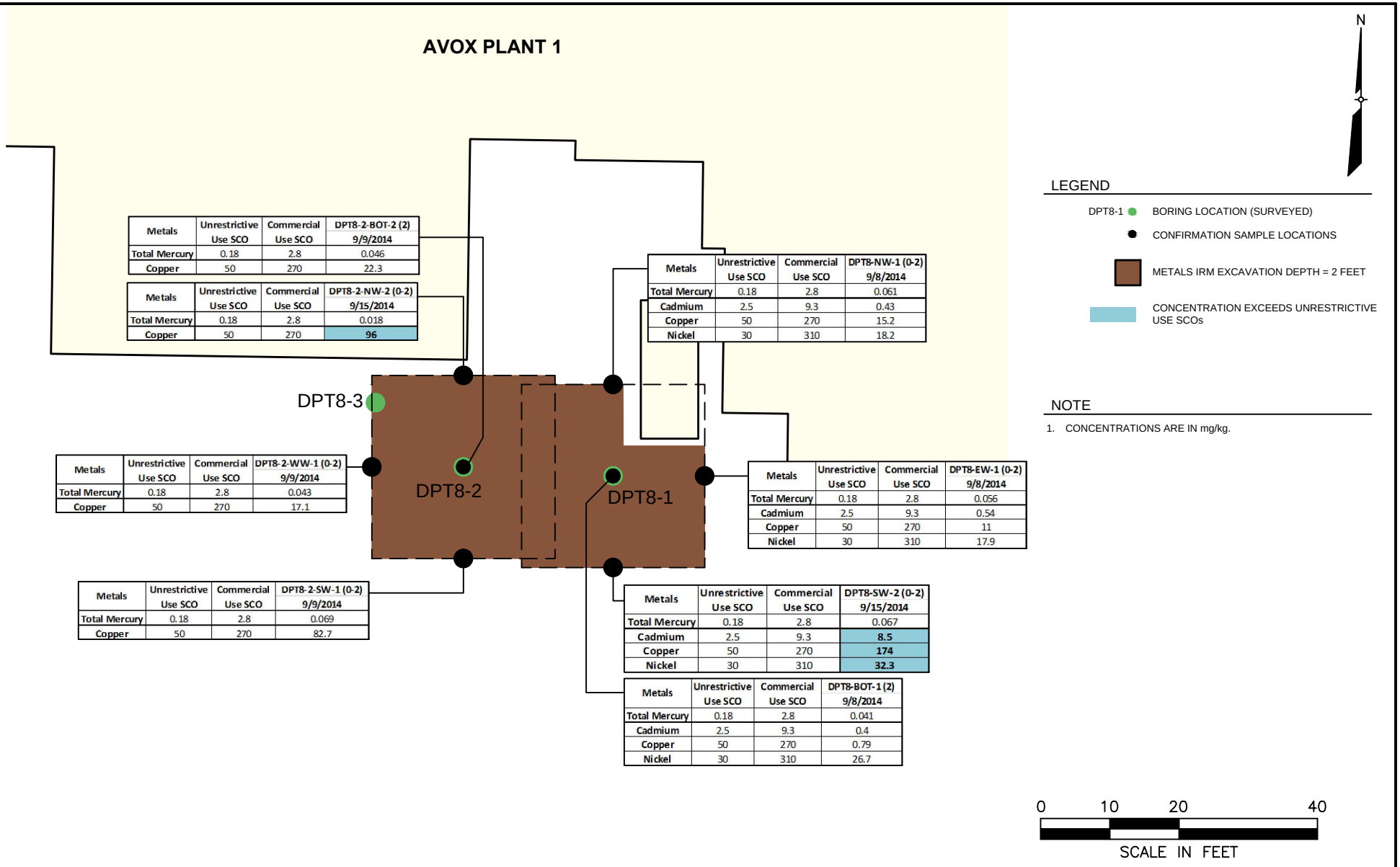
L:\work\60147012\CADD\60155991_141 Proposed Sub-Slab Depressurization System Area.dwg, 12/9/2015 3:16:45 PM, Splawnm



AECOM

FIGURE 7
MW-41B IRM CONFIRMATION LOCATIONS AND RESULTS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-BOT-2 (2) 9/9/2014
Total Mercury	0.18	2.8	0.046
Copper	50	270	22.3

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-NW-2 (0-2) 9/15/2014
Total Mercury	0.18	2.8	0.018
Copper	50	270	**96**

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-NW-1 (0-2) 9/8/2014
Total Mercury	0.18	2.8	0.061
Cadmium	2.5	9.3	0.43
Copper	50	270	15.2
Nickel	30	310	18.2

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-WW-1 (0-2) 9/9/2014
Total Mercury	0.18	2.8	0.043
Copper	50	270	17.1

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-EW-1 (0-2) 9/8/2014
Total Mercury	0.18	2.8	0.056
Cadmium	2.5	9.3	0.54
Copper	50	270	11
Nickel	30	310	17.9

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-2-SW-1 (0-2) 9/9/2014
Total Mercury	0.18	2.8	0.069
Copper	50	270	82.7

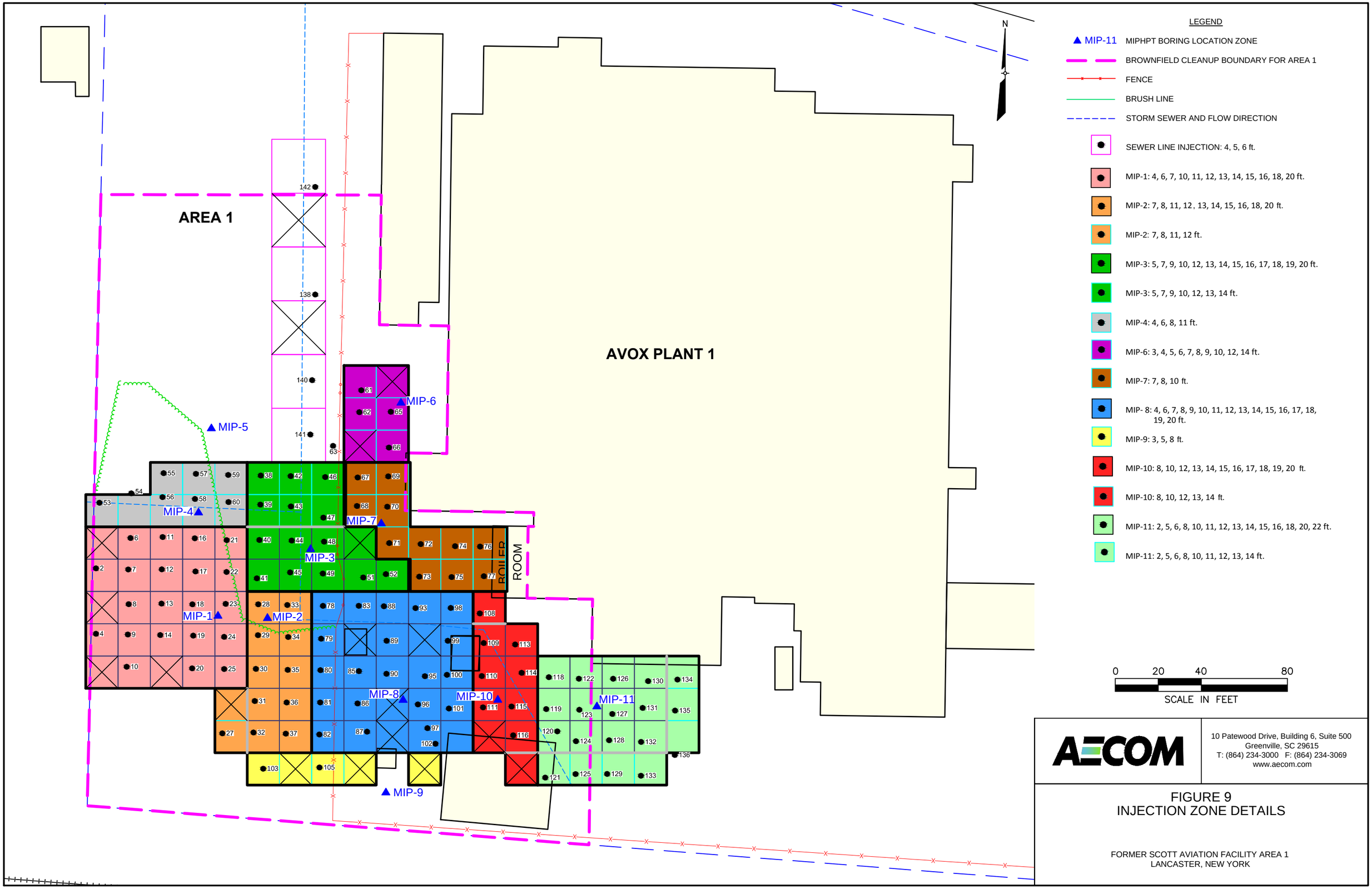
Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-SW-2 (0-2) 9/15/2014
Total Mercury	0.18	2.8	0.067
Cadmium	2.5	9.3	**8.5**
Copper	50	270	**174**
Nickel	30	310	**32.3**

Metals	Unrestrictive Use SCO	Commercial Use SCO	DPT8-BOT-1 (2) 9/8/2014
Total Mercury	0.18	2.8	0.041
Cadmium	2.5	9.3	0.4
Copper	50	270	0.79
Nickel	30	310	26.7

AECOM

FIGURE 8
DPT-8 IRM CONFIRMATION LOCATIONS AND RESULTS

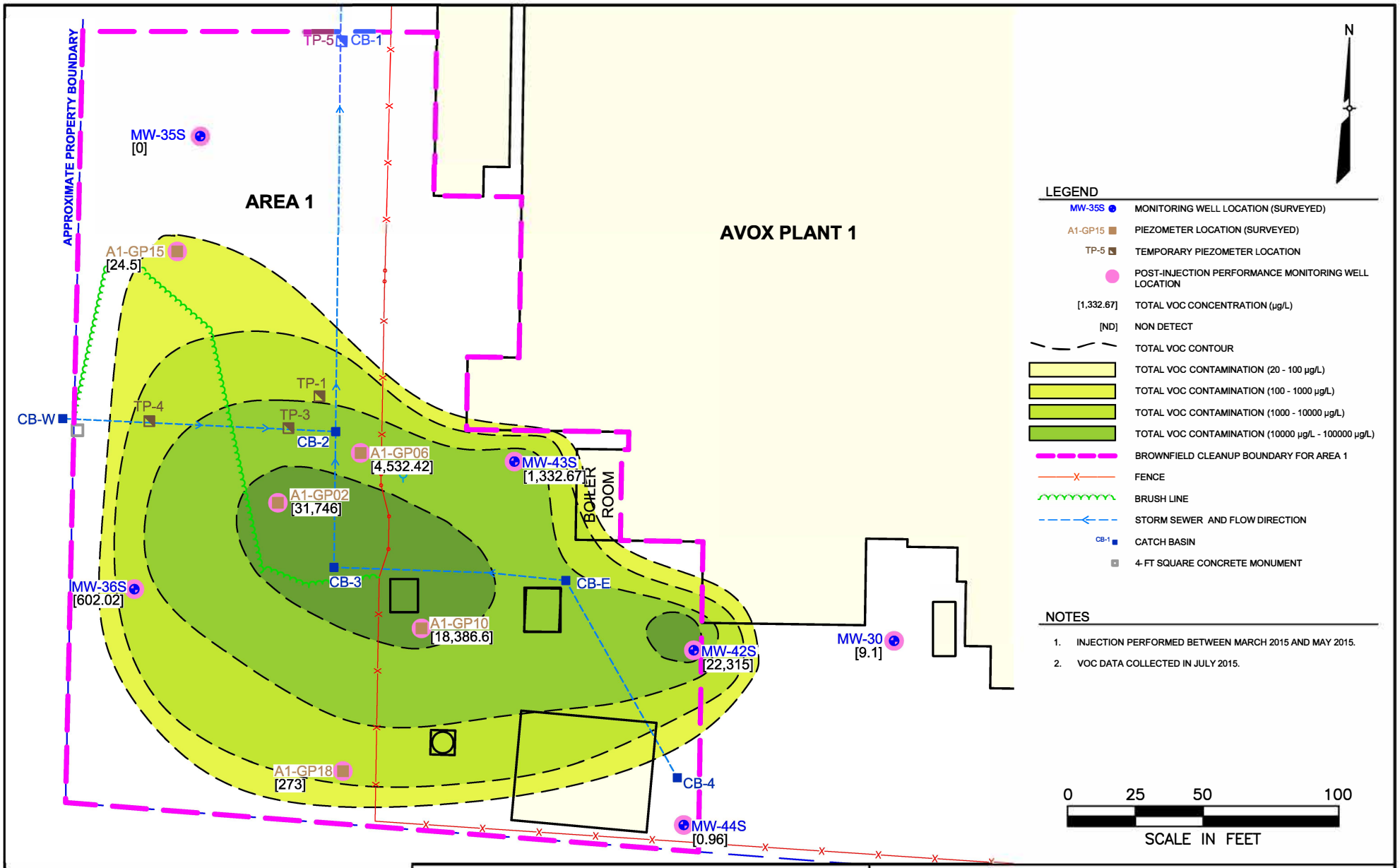
FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



AECOM
10 Patewood Drive, Building 6, Suite 500
Greenville, SC 29615
T: (864) 234-3000 F: (864) 234-3069
www.aecom.com

FIGURE 9
INJECTION ZONE DETAILS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

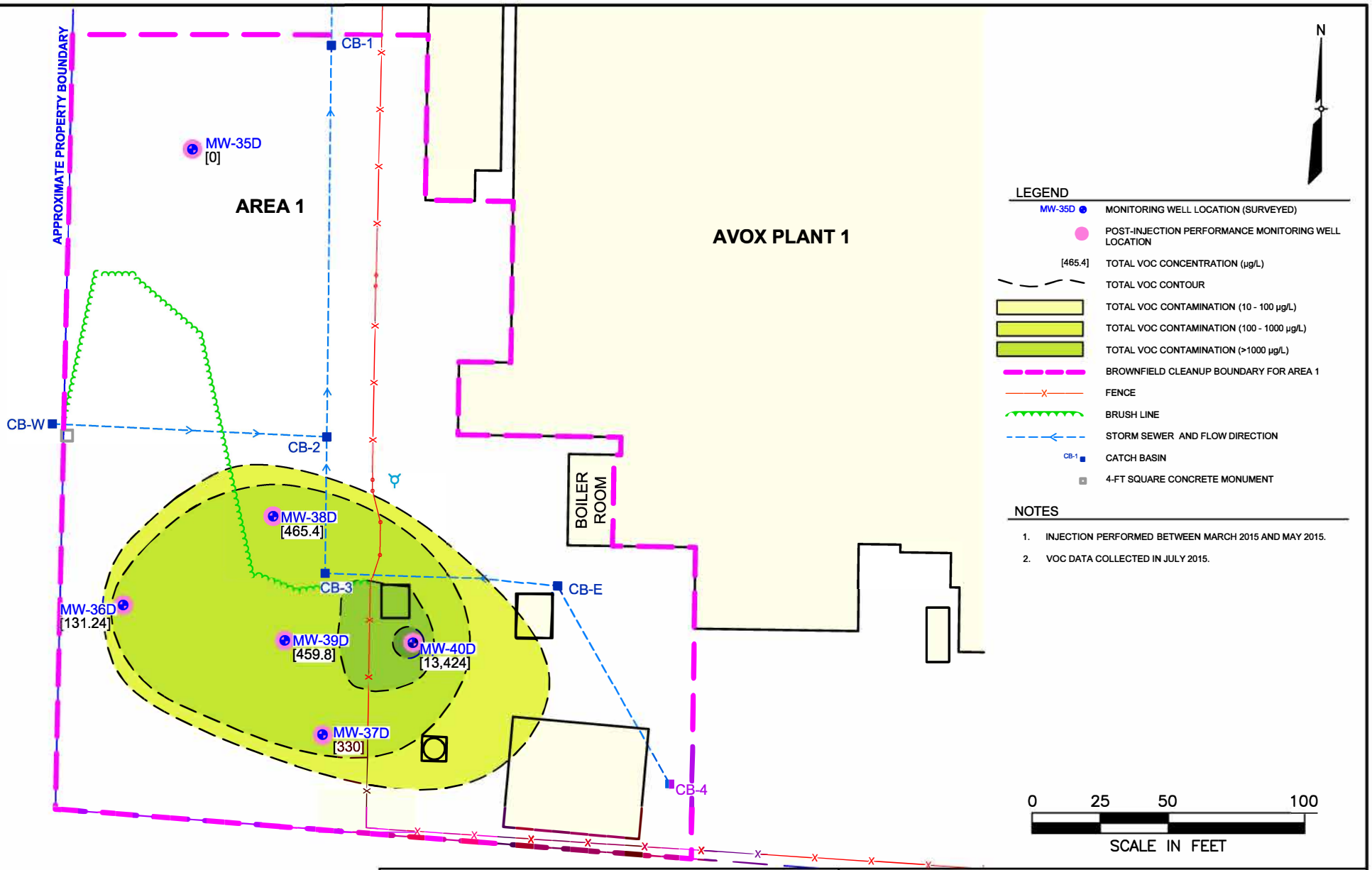


AECOM

FIGURE 10
POST-INJECTION SHALLOW OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_136 Total VOC Cont based on Shallow Overburden Post-Inj GW Data.dwg, 12/8/2015 4:29:58 PM, Splawnm



AECOM

FIGURE 11
POST-INJECTION DEEP OVERBURDEN GROUNDWATER TOTAL VOC CONTAMINATE PLUME

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_137 Total VOC Contaminate Plume based on Deep Overburden Post-Inj GW data.dwg, 12/8/2015 4:25:06 PM, Splawnm

APPENDIX A – ENVIRONMENTAL EASEMENT

Young / Sommer LLC

YOUNG SOMMER WARD RITZENBERG BAKER & MOORE LLC

COUNSELORS AT LAW

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Phone: 518-438-9907 • Fax: 518-438-9914

www.youngsommer.com

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KRISTIN CARTER ROWE

PARALEGALS
ALLYSSA T. MOODY
AMY S. YOUNG

Writer's Telephone Extension: 253
amoody@youngsommer.com

November 16, 2015

VIA FEDEX
Erie County Clerk
Old County Hall
92 Franklin Street, 1st Floor
Buffalo, New York 14202

RE: New York State Dept. of Environmental Conservation Environmental Easement
CROSS REFERENCE: Book 11272 Page 5892, dated 07/11/14, recorded 12/01/14
Easement Location: 215 and 221 Erie Street, Village of Lancaster, County of Erie
Tax Map Nos. 104.16-5-8 and 104.16-5-9

Dear Sir/Madam:

Enclosed please find for recording an original Environmental Easement between the New York State Department of Environmental Conservation and Avox Systems, Inc., as well as an original TP-584 form. Also enclosed is a check in the amount of $115.50 to cover the associated filing fees:

Statutory Recording Fee (including cover page)	$ 50.00
Per written side of page 11 pages at $5.00 per page	$ 55.00
Form TP-584 (NYS Transfer Tax form)	$ 10.00
Cross-reference	$ 0.50
TOTAL	**$115.50**

Kindly record the enclosed easement and return in the envelope provided.

Should anything more be required or you have any questions, please contact me at (518) 438-9907 ext 253.

Thank you for your attention to this matter.

Very truly yours,

Allyssa T. Moody
Paralegal

Enclosures
cc via email: Bradford Burns, Esq., NYSDEC
Jennifer Davide, Facility Manager, Avox Systems
Daniel Edmundson, Esq., Counsel, Avox Systems
Hollister Hill, Esq., Troutman Sanders LLP
Joseph Janeczek, Tyco
Robert Panasci, Esq., Young/Sommer LLC
Stuart Rixman , Tyco
Matthew Tanzer, Tyco
Kevin Young, Esq., Young/Sommer LLC
Dino Zack, P.G., Aecom

ERIE COUNTY CLERK'S OFFICE

County Clerk's Recording Page

Return to:
A MOODY
YOUNG SOMMER LLC
5 PALISADES DR
ALBANY, NY 12205

Party 1:
AVOX SYSTEMS INC

Party 2:
NEW YORK STATE DEPT OF
ENVIRONMENTAL CONSERVATION COM

Book Type: D Book: 11288 Page: 3551
Page Count: 12
Doc Type: EASEMENT/RTWY
Rec Date: 11/19/2015
Rec Time: 02:59:33 PM
Control #: 2015239086
UserID: Kathy
Trans #: 15189533
Document Sequence Number
TT2015008540

Consideration Amount: 1.00

Recording Fees:

RECORDING	$80.00
COE CO $1 RET	$1.00
COE STATE $14.25 GEN	$14.25
COE STATE $4.75 RM	$4.75
TP584	$10.00
MARKOFF FEE	$0.50

BASIC MT	$0.00
SONYMA MT	$0.00
ADDL MT/NFTA	$0.00
SP MT/M-RAIL	$0.00
NY STATE TT	$0.00
ROAD FUND TT	$0.00

Total: $110.50

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING – THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Christopher L. Jacobs
County Clerk

ENVIRONMENTAL EASEMENT

AVOX SYSTEMS, INC.,

TO

THE PEOPLE OF THE STATE OF NEW YORK.

RECORD & RETURN TO:

Robert A. Panasci, Esq.
Young/Sommer, LLC
Executive Woods
Five Palisades Drive, Suite 300
Albany, New York 12205

E

CROSS REFERENCE: Book 11272 Page 5892, dated 07/11/14, recorded 12/01/14

785-11
239086

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 6th day of NOVEMBER, 2015, between Owner(s) Avox Systems, Inc., having an office at 225 Erie Street, Lancaster, NY 14086, County of Erie, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 215 and 221 Erie Street in the Village of Lancaster, County of Erie and State of New York, known and designated on the tax map of the County Clerk of Erie as tax map parcel numbers: Section 104.16 Block 5 Lots 8 and 9, being the same as a portion of the property conveyed to Grantor by deed dated July 11, 2014 and recorded in the Erie County Clerk's Office in Liber and Page 11272/5892. ✓ The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.25 +/- acres, and is hereinafter more fully described in the Land Title Survey dated February, 2015 prepared by AECOM, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: B9-0794-08-12, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by

Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C915233
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of

this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Avox System, Inc.:

By: _____

Print Name: Ibrahim Youssef

Title: President Date 10/9/15

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ERIE)

On the 9th day of October, in the year 2015, before me, the undersigned, personally appeared IBRAHIM YOUSEF, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is ~~(are)~~ subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/~~her/their~~ capacity~~(ies)~~, and that by his/~~her/their~~ signature(~~x~~) on the instrument, the individual(~~s~~), or the person upon behalf of which the individual(~~s~~) acted, executed the instrument.

Bonnie L Nowak
Notary Public - State of New York

BONNIE L. NOWAK
Notary Public, State of New York
Qualified in Erie County
My Commission Expires August 31, 2017

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 6th day of November, in the year 2015 before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Village of Lancaster, County of Erie, and State of New York being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

Commencing at the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west, with the centerline of Erie Street, said point being 594.20' southeasterly from the intersection of the centerline of said Erie Street with the centerline of Court Street;

Thence S01°12'46"W along the aforementioned boundary division line a distance of 186.00' to the true point or place of beginning;

Thence in an easterly and southerly direction through the lands of said Scott Aviation Inc. the following 15 courses and distances:

1) N90°00'00"E a distance of 130.48' to the face of the building;

2) S01°06'47"W along the said face of the building a distance of 44.41' to a building corner;

3) S88°53'13"E continuing along the face of said building a distance of 0.15' to an angle point thereon;

4) S01°06'47"E continuing along the face of said building a distance of 15.97' to a building corner;

5) S88°53'13"E continuing along the face of said building a distance of 31.58' to the intersection of the projection of this line, with the building face of another wall of the same building;

6) S00°26'34"W continuing along the face of said building a distance of 59.12' to a building corner;

7) N89°17'09"W continuing along the face of said building a distance of 19.00' to a building corner;

8) S00°42'51"W continuing along the face of said building a distance of 26.95' to a building corner;

9) S89°17'09"E continuing along the face of said building a distance of 59.80' to a building corner;

10) S00°56'24"W continuing along the face of said building a distance of 6.50' to a building corner;

11) N89°03'36"W continuing along the face of said building a distance of 1.80' to the intersection of said building face with the east wall of the boiler room;

12) S02°17'07"E along the east wall of aforementioned boiler room a distance of 33.68' to the southerly face of Scott Aviation facility;

13) S89°11'49"E continuing along the southerly face of said building a distance of 30.47' to a building corner;

14) S00°44'33"W continuing along the face of said building a distance of 29.95' to a building corner;

15) S00°44'33"W continuing along the projection of the aforementioned building face a distance of 84.47' to the intersection of said course with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the north, and the lands of the Erie Railroad (Reputed Owner) on the south;

Thence N85°41'33"W along the aforementioned boundary division line a distance of 233.45' to the intersection of said line with the aforementioned boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west;

Thence N01°12'46"E along the aforementioned boundary division line a distance of 285.05' to the point of beginning. Containing 1.25 acres of land, more or less.

The bearings used in this description are tied into the New York State Plane Coordinate System (NAD' 83, West Zone) as established on site by GPS observations.

TP-584 (4/13)

New York State Department of Taxation and Finance

Combined Real Estate Transfer Tax Return, Credit Line Mortgage Certificate, and Certification of Exemption from the Payment of Estimated Personal Income Tax

Recording office time stamp

See Form TP-584-I, Instructions for Form TP-584, *before completing this form. Print or type.*

Schedule A — Information relating to conveyance

Grantor/Transferor

☐ Individual
☒ Corporation
☐ Partnership
☐ Estate/Trust
☐ Single member LLC
☐ Other

Name *(if individual, last, first, middle initial)* (☐ *check if more than one grantor*): AVOX SYSTEMS INC.

Social security number

Mailing address: 225 ERIE STREET

Social security number

City: LANCASTER | State: NY | ZIP code: 14086

Federal EIN: 26-3112854

Single member's name if grantor is a single member LLC *(see instructions)*

Single member EIN or SSN

Grantee/Transferee

☐ Individual
☐ Corporation
☐ Partnership
☐ Estate/Trust
☐ Single member LLC
☒ Other

Name *(if individual, last, first, middle initial)* (☐ *check if more than one grantee*): THE PEOPLE OF THE STATE OF NEW YORK

Social security number

Mailing address: 625 BROADWAY

Social security number

City: ALBANY | State: NY | ZIP code: 12233

Federal EIN: 14-6013200

Single member's name if grantee is a single member LLC *(see instructions)*

Single member EIN or SSN

Location and description of property conveyed

Tax map designation – Section, block & lot *(include dots and dashes)*	SWIS code (six digits)	Street address	City, town, or village	County
140.16-5-8; 140.16-5-9		215 ERIE STREET; 221 ERIE STREET	VIL OF LANCASTER	ERIE

Type of property conveyed *(check applicable box)*

1 ☐ One- to three-family house
2 ☐ Residential cooperative
3 ☐ Residential condominium
4 ☐ Vacant land
5 ☒ Commercial/Industrial
6 ☐ Apartment building
7 ☐ Office building
8 ☐ Other _____

Date of conveyance: 11 (month) | 06 (day) | 2015 (year)

Percentage of real property conveyed which is residential real property 0 % *(see instructions)*

Condition of conveyance *(check all that apply)*

a. ☐ Conveyance of fee interest
b. ☐ Acquisition of a controlling interest (state percentage acquired _____ %)
c. ☐ Transfer of a controlling interest (state percentage transferred _____ %)
d. ☐ Conveyance to cooperative housing corporation
e. ☐ Conveyance pursuant to or in lieu of foreclosure or enforcement of security interest *(attach Form TP-584.1, Schedule E)*
f. ☐ Conveyance which consists of a mere change of identity or form of ownership or organization *(attach Form TP-584.1, Schedule F)*
g. ☐ Conveyance for which credit for tax previously paid will be claimed *(attach Form TP-584.1, Schedule G)*
h. ☐ Conveyance of cooperative apartment(s)
i. ☐ Syndication
j. ☐ Conveyance of air rights or development rights
k. ☐ Contract assignment
l. ☐ Option assignment or surrender
m. ☐ Leasehold assignment or surrender
n. ☐ Leasehold grant
o. ☒ Conveyance of an easement
p. ☐ Conveyance for which exemption from transfer tax claimed *(complete Schedule B, Part III)*
q. ☐ Conveyance of property partly within and partly outside the state
r. ☐ Conveyance pursuant to divorce or separation
s. ☐ Other *(describe)* _____

For recording officer's use	Amount received	Date received	Transaction number
	Schedule B., Part I $ _____ Schedule B., Part II $		

Schedule B — Real estate transfer tax return (Tax Law, Article 31)

Part I – Computation of tax due

1	Enter amount of consideration for the conveyance *(if you are claiming a total exemption from tax, check the exemption claimed box, enter consideration and proceed to Part III)* ☐ **Exemption claimed**	1.	0
2	Continuing lien deduction *(see instructions if property is taken subject to mortgage or lien)*	2.	0
3	Taxable consideration *(subtract line 2 from line 1)*	3.	0
4	Tax: $2 for each $500, or fractional part thereof, of consideration on line 3	4.	0
5	Amount of credit claimed for tax previously paid *(see instructions and attach Form TP-584.1,* Schedule G*)*	5.	0
6	Total tax due* *(subtract line 5 from line 4)*	6.	0

Part II – Computation of additional tax due on the conveyance of residential real property for $1 million or more

1	Enter amount of consideration for conveyance *(from* Part I*, line 1)*	1.	
2	Taxable consideration *(multiply line 1 by the percentage of the premises which is residential real property, as shown in* Schedule A*)*	2.	
3	Total additional transfer tax due* *(multiply line 2 by 1% (.01))*	3.	

Part III – Explanation of exemption claimed on Part I, line 1 *(check any boxes that apply)*

The conveyance of real property is exempt from the real estate transfer tax for the following reason:

a. Conveyance is to the United Nations, the United States of America, the state of New York, or any of their instrumentalities, agencies, or political subdivisions (or any public corporation, including a public corporation created pursuant to agreement or compact with another state or Canada) ..... a ☐

b. Conveyance is to secure a debt or other obligation ..... b ☐

c. Conveyance is without additional consideration to confirm, correct, modify, or supplement a prior conveyance ..... c ☐

d. Conveyance of real property is without consideration and not in connection with a sale, including conveyances conveying realty as bona fide gifts ..... d ☐

e. Conveyance is given in connection with a tax sale ..... e ☐

f. Conveyance is a mere change of identity or form of ownership or organization where there is no change in beneficial ownership. (This exemption cannot be claimed for a conveyance to a cooperative housing corporation of real property comprising the cooperative dwelling or dwellings.) Attach Form TP-584.1, Schedule F ..... f ☐

g. Conveyance consists of deed of partition ..... g ☐

h. Conveyance is given pursuant to the federal Bankruptcy Act ..... h ☐

i. Conveyance consists of the execution of a contract to sell real property, without the use or occupancy of such property, or the granting of an option to purchase real property, without the use or occupancy of such property ..... i ☐

j. Conveyance of an option or contract to purchase real property with the use or occupancy of such property where the consideration is less than $200,000 and such property was used solely by the grantor as the grantor's personal residence and consists of a one-, two-, or three-family house, an individual residential condominium unit, or the sale of stock in a cooperative housing corporation in connection with the grant or transfer of a proprietary leasehold covering an individual residential cooperative apartment ..... j ☐

k. Conveyance is not a conveyance within the meaning of Tax Law, Article 31, section 1401(e) *(attach documents supporting such claim)* ..... k ☐

*The total tax (from Part I, line 6 and Part II, line 3 above) is due within 15 days from the date conveyance. Please make check(s) payable to the county clerk where the recording is to take place. If the recording is to take place in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, make check(s) payable to the ***NYC Department of Finance.*** If a recording is not required, send this return and your check(s) made payable to the ***NYS Department of Taxation and Finance,*** directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

Schedule C — Credit Line Mortgage Certificate (Tax Law, Article 11)

Complete the following only if the interest being transferred is a fee simple interest.
I (we) certify that: *(check the appropriate box)*

1. ☒ The real property being sold or transferred is not subject to an outstanding credit line mortgage.

2. ☐ The real property being sold or transferred is subject to an outstanding credit line mortgage. However, an exemption from the tax is claimed for the following reason:
   - ☐ The transfer of real property is a transfer of a fee simple interest to a person or persons who held a fee simple interest in the real property (whether as a joint tenant, a tenant in common or otherwise) immediately before the transfer.
   - ☐ The transfer of real property is (A) to a person or persons related by blood, marriage or adoption to the original obligor or to one or more of the original obligors or (B) to a person or entity where 50% or more of the beneficial interest in such real property after the transfer is held by the transferor or such related person or persons (as in the case of a transfer to a trustee for the benefit of a minor or the transfer to a trust for the benefit of the transferor).
   - ☐ The transfer of real property is a transfer to a trustee in bankruptcy, a receiver, assignee, or other officer of a court.
   - ☐ The maximum principal amount secured by the credit line mortgage is $3,000,000 or more, and the real property being sold or transferred is **not** principally improved nor will it be improved by a one- to six-family owner-occupied residence or dwelling.

     Please note: for purposes of determining whether the maximum principal amount secured is $3,000,000 or more as described above, the amounts secured by two or more credit line mortgages may be aggregated under certain circumstances. See TSB-M-96(6)-R for more information regarding these aggregation requirements.
   - ☐ Other *(attach detailed explanation)*.

3. ☐ The real property being transferred is presently subject to an outstanding credit line mortgage. However, no tax is due for the following reason:
   - ☐ A certificate of discharge of the credit line mortgage is being offered at the time of recording the deed.
   - ☐ A check has been drawn payable for transmission to the credit line mortgagee or his agent for the balance due, and a satisfaction of such mortgage will be recorded as soon as it is available.

4. ☐ The real property being transferred is subject to an outstanding credit line mortgage recorded in _____ (insert liber and page or reel or other identification of the mortgage). The maximum principal amount of debt or obligation secured by the mortgage is _____. No exemption from tax is claimed and the tax of _____ is being paid herewith. *(Make check payable to county clerk where deed will be recorded or, if the recording is to take place in New York City but not in Richmond County, make check payable to the **NYC Department of Finance.**)*

Signature (both the grantor(s) and grantee(s) must sign)

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

Grantor signature	Title	Grantee signature	Title
	President	Andrew Englelme	Attorney
Grantor signature	Title	Grantee signature	Title

Reminder: Did you complete all of the required information in Schedules A, B, and C? Are you required to complete Schedule D? If you checked *e*, *f*, or *g* in Schedule A, did you complete Form TP-584.1? Have you attached your check(s) made payable to the county clerk where recording will take place or, if the recording is in the New York City boroughs of Manhattan, Bronx, Brooklyn, or Queens, to the ***NYC Department of Finance***? If no recording is required, send your check(s), made payable to the ***Department of Taxation and Finance,*** directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

Schedule D - Certification of exemption from the payment of estimated personal income tax (Tax Law, Article 22, section 663)

Complete the following only if a fee simple interest or a cooperative unit is being transferred by an individual or estate or trust.

If the property is being conveyed by a referee pursuant to a foreclosure proceeding, proceed to Part II, and check the second box under *Exemptions for nonresident transferor(s)/seller(s)* and sign at bottom.

Part I - New York State residents

If you are a New York State resident transferor(s)/seller(s) listed in Schedule A of Form TP-584 (or an attachment to Form TP-584), you must sign the certification below. If one or more transferors/sellers of the real property or cooperative unit is a resident of New York State, **each** resident transferor/seller must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all resident transferors/sellers.

Certification of resident transferor(s)/seller(s)

This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) as signed below was a resident of New York State, and therefore is not required to pay estimated personal income tax under Tax Law, section 663(a) upon the sale or transfer of this real property or cooperative unit.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date

Note: A resident of New York State may still be required to pay estimated tax under Tax Law, section 685(c), but not as a condition of recording a deed.

Part II - Nonresidents of New York State

If you are a nonresident of New York State listed as a transferor/seller in Schedule A of Form TP-584 (or an attachment to Form TP-584) but are not required to pay estimated personal income tax because one of the exemptions below applies under Tax Law, section 663(c), check the box of the appropriate exemption below. If any one of the exemptions below applies to the transferor(s)/seller(s), that transferor(s)/seller(s) is not required to pay estimated personal income tax to New York State under Tax Law, section 663. **Each** nonresident transferor/seller who qualifies under one of the exemptions below must sign in the space provided. If more space is needed, please photocopy this Schedule D and submit as many schedules as necessary to accommodate all nonresident transferors/sellers.

If none of these exemption statements apply, you must complete Form IT-2663, *Nonresident Real Property Estimated Income Tax Payment Form*, or Form IT-2664, *Nonresident Cooperative Unit Estimated Income Tax Payment Form.* For more information, see *Payment of estimated personal income tax,* on page 1 of Form TP-584-I.

Exemption for nonresident transferor(s)/seller(s)

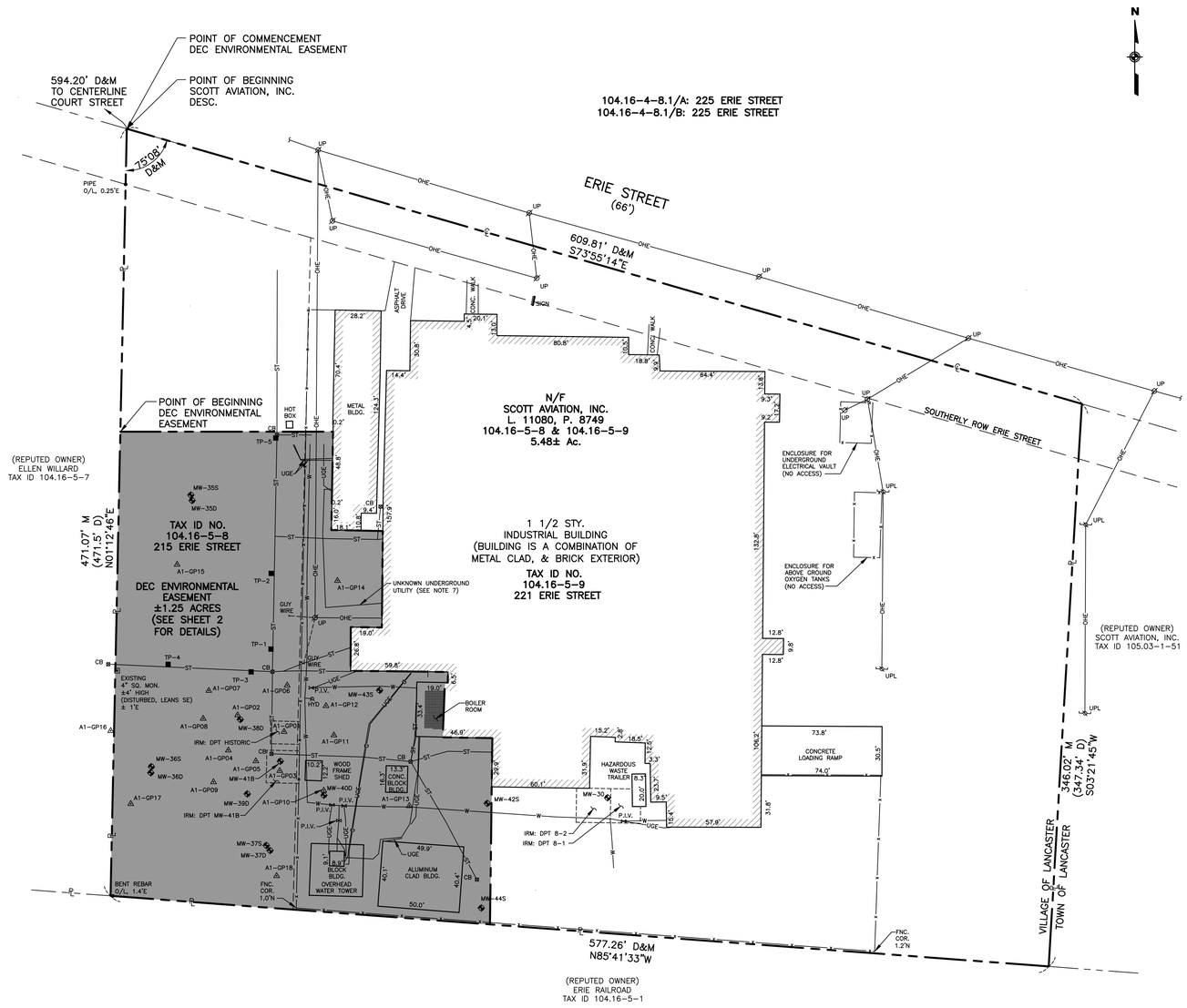
This is to certify that at the time of the sale or transfer of the real property or cooperative unit, the transferor(s)/seller(s) (grantor) of this real property or cooperative unit was a nonresident of New York State, but is not required to pay estimated personal income tax under Tax Law, section 663 due to one of the following exemptions:

☐ The real property or cooperative unit being sold or transferred qualifies in total as the transferor's/seller's principal residence (within the meaning of Internal Revenue Code, section 121) from _____ (Date) to _____ (Date) *(see instructions).*

☐ The transferor/seller is a mortgagor conveying the mortgaged property to a mortgagee in foreclosure, or in lieu of foreclosure with no additional consideration.

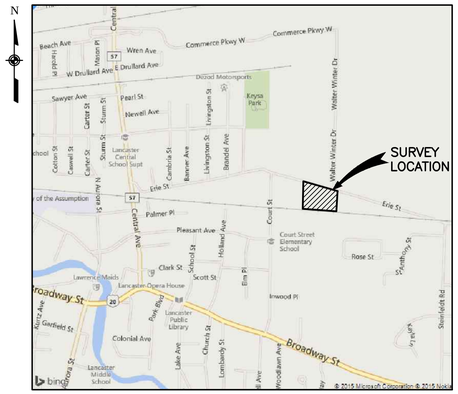
☐ The transferor or transferee is an agency or authority of the United States of America, an agency or authority of the state of New York, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association, or a private mortgage insurance company.

Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date
Signature	Print full name	Date



NOTES

1) SEE DWG 2 OF 2 AND ENVIRONMENTAL EASEMENT DETAIL FOR ADDITIONAL NOTES, RECORD LEGAL DESCRIPTION & ENVIRONMENTAL EASEMENT AREA DESCRIPTION



SITE VICINITY MAP
NOT TO SCALE

ABBREVIATIONS

N.	NORTH	EP	EDGE OF PAVEMENT
S.	SOUTH	EXIST.	EXISTING
W.	WEST	UP	UTILITY POLE
E.	EAST	UPT	UTILITY POLE W/ TRANSFORMER
℄	PROPERTY LINE	UPL	UTILITY POLE W/LIGHT
D.	DEED	OHE	OVERHEAD ELECTRIC
D&M	DEEDED & MEASURED	OHE/T	OVERHEAD ELECTRIC & TELEPHONE
MS.	MEASURED	IP	IRON PIPE
NO.	NUMBER	CONC.	CONCRETE
MON.	MONUMENT		
O/L	ON LINE		

LEGEND

CB	CATCH BASIN/DI	P.I.V.	POST INDICATOR VALVE
HYD	HYDRANT	OHE	OVERHEAD ELECTRIC
		UGE	UNDERGROUND ELECTRIC
UP	UTILITY POLE	G	GAS LINE
UPL	UTILITY POLE W/LIGHT	W	WATERLINE
MW-38D	MONITORING WELL	ST	STORM SEWER
TP-2	TEST PIT	x	FENCE
A1-GP01	PIEZOMETER	℄	PROPERTY LINE

NOTES:

1. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.
2. THE BEARINGS ON THIS SITE ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM (WEST ZONE NAD '83) AND WERE ESTABLISHED ON SITE BY GPS OBSERVATION.
3. THE PROPERTY IS KNOWN AS FOLLOWS:
   225 ERIE AVENUE, TAX ID PARCELS 104.16-4-8.1/A & 104.16-4-8.1/B
   215 ERIE AVENUE, TAX ID PARCEL 104.16-5-8
   221 ERIE AVENUE, TAX ID PARCEL 104.16-5-9
   VILLAGE OF LANCASTER
   LIBER 11272 PAGE 5892
   TRACT 1; PARCELS 1-6, 8, & 9
4. THE SURVEY WAS COMPLETED WITH +/- 12" OF SNOW ON THE GROUND, AND WITH MANY PILES OF SNOW ON SITE. ITEMS ON AND/OR NEAR THE GROUND MAY NOT HAVE BEEN OBSERVED DURING THE FIELD WORK. THE LIMITS OF GROUND FEATURES SUCH AS EDGE OF PAVEMENT, SIDEWALKS, AND CONCRETE PADS WERE NOT ABLE TO BE LOCATED IN MANY INSTANCES.
5. NO MONUMENTATION WAS RECOVERED IN THE FIELD ALONG THE TOWN/VILLAGE OF LANCASTER LINE.
6. IRM LOCATIONS ON SURVEY ARE BASED UPON FIELD SKETCHES AND SHOULD BE CONSIDERED TO BE APPROXIMATE.
7. LOCATION OF UNDERGROUND UTILITIES BASED UPON AN UNDERGROUND SURVEY COMPLETED BY CARDNO, INC. AND LOCATED BY URS ON JANUARY 19, 2015.

10 0 10 20
SCALE IN METERS
1 METER = 3.28083333 U.S. SURVEY FEET

40' 0 40'
SCALE IN FEET

NYSDEC ENVIRONMENTAL EASEMENT SURVEY

SCOTT AVIATION, INC.
225 ERIE STREET
VILLAGE OF LANCASTER
ERIE COUNTY, NEW YORK

FORMER SCOTT TECHNOLOGIES, INC. FACILITY (AREA 1) SITE
NYSDEC SITE No. C915233

SITUATE IN:
GREAT LOT NO. 10, SECTION 7, TOWNSHIP NO. 11, RANGE NO. 6
OF THE HOLLAND LAND COMPANY'S SURVEY

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement are set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

ENVIRONMENTAL EASEMENT AREA ACCESS

THE NYSDEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON AS PROVIDED IN THE ENVIRONMENTAL EASEMENT

No.	Date	Revision Description

REVISIONS

AECOM
New York
257 West Genesee Street, Suite 400
Buffalo, New York 14202-2657
(716)856-5636 – (716)856-2545 fax

DRAWN BY: ELB
CHECKED BY: MDR
SCALE: AS SHOWN
DATE: FEBRUARY 2015
DWG. 1 OF 2

URS JOB NO. 11177339

STATE OF NEW YORK
MICHAEL D. ROZESKI
LICENSED LAND SURVEYOR
050523

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYORS SEAL
MICHAEL D. ROZESKI NO. 050523

J:\Projects\SURVEY\11177339\SCOTT AVIATION EASEMENT SURVEY\EVS-19-15.dwg 1:1 6/29/15-5, JJS

RECORD LEGAL DESCRIPTION

TRACT 1
PARCEL I: (Erie County Clerk Instrument Deed Book 11080, Page 8749)

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 762.93 feet southeasterly from the intersection with the center line of Court Street; running thence southerly at an interior angle of 75°8' 436.29 feet to the north line of the lands of the Erie Railroad Company, thence easterly along the north line of said Erie Railroad lands, 50.06 feet; thence northerly 426.53 feet to a point in the center line of Erie Street which is 51.73 feet southeasterly of the point of beginning; and thence westerly along the center line of Erie Street 51.73 feet to the point of beginning.

PARCEL II:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street at the northeast corner of lands conveyed to Uniloy Accessories Corporation by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 587 (being Parcel I above); running thence southerly along the east line of lands so conveyed to Uniloy Accessories Corporation 426.53 feet to the north line of lands of the Erie Railroad Company; thence easterly along the lands of said Erie Railroad lands 85.17 feet; thence northerly parallel with the east line of lands conveyed to Abbie Curren Schultz by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 591, 408.80 feet to the center line of Erie Street; and thence westerly along the center line of Erie Street 87.54 feet to the point of beginning.

PARCEL III:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 902.20 feet east of its intersection with the center line of Court Street, said point of beginning also being the northeast corner of lands conveyed to Uniloy Accessories Corporation by deed recorded in said Clerk's Office in Liber 3130 of Deeds at page 431 (being Parcel II above); running thence easterly along the center line of Erie Street 51.71 feet to the northeast corner of lands conveyed to Abbie Curren Schultz by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 591; thence southerly along the east line of lands so conveyed 398.40 feet to the north line of lands of the Erie Railroad Company; thence westerly along the north line of lands of the Erie Railroad 50.05 feet to the southeast corner of lands conveyed to Uniloy Accessories Corporation by deed aforesaid; and thence northerly along the east line of lands so conveyed 408.80 feet to the point of beginning.

PARCEL IV:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 762.93 feet southeasterly from its intersection with the center line of Court Street, said point of beginning also being the northwest corner of lands conveyed to Uniloy Accessories Corporation by deed recorded in said Clerk's Office in Liber 3062 of Deeds at page 587 (being Parcel I above); running thence southerly along the westerly line of lands so conveyed to Uniloy Accessories Corporation 436.29 feet to the north line of lands of the Erie Railroad Company; thence westerly along said north line of the Erie Railroad lands 40.05 feet; thence northerly parallel with the west line of lands conveyed to Uniloy Accessories Corporation by deed aforesaid, 445.24 feet to the center line of Erie Street; and thence southeasterly along the center line of Erie Street 41.37 feet to the place of beginning.

PARCEL V:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 953.91 feet east of its intersection with the center line of Court Street, which point of beginning is also the northeast corner of lands to Scott Aviation Corporation by deed recorded in said Clerk's Office in Liber 3218 of Deeds at page 422 (being Parcel III above); running thence easterly along the center line of Erie Street 51.71 feet; thence southerly parallel with the east line of lands so conveyed to Scott Aviation Corporation 388 feet to the north line of Erie Railroad lands; thence westerly along the north line of Erie Railroad lands 50.05 feet to the southeast corner of lands conveyed to Scott Aviation Corporation by deed aforesaid; and thence northerly along said east line, 398.40 feet to the point of beginning.

PARCEL VI:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street at the northeast corner of lands conveyed to Scott Aviation Corporation by Johanna Curren, by deed dated April 1, 1944 recorded in Liber 3535 of Deeds at page 411, May 11, 1944 and being 1,005.62 feet more or less easterly along the center line of Erie Street from its intersection with the center line of Court Street; thence easterly along the center line of Erie Street 186.88 feet more or less to the east line of the Village of Lancaster, being also the westerly line of Lot No. 8; thence southerly along said easterly line of the Village of Lancaster 347.34 feet more or less to the northerly line of the Erie Railroad Company's right of way; thence westerly along the northerly line of the Erie Railroad Company's right of way 179.63 feet more or less to the said easterly line of lands of Scott Aviation Corporation conveyed by said Johanna Curran; thence northerly along said easterly line of the lands of Scott Aviation Corporation 308 feet more or less to the point of beginning.

PARCEL VIII:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street, distant 712.59 feet easterly from the center line of Court Street; running thence easterly along the center line of Erie Street, 10.34 feet to the west line of land conveyed to Scott Aviation Corporation by deed recorded in Erie County Clerk's Office in Liber 3303 of Deeds at page 251; thence southerly along said westerly line 411 feet to the lands of the Erie Railroad; thence westerly along the Railroad's lands 10 feet; thence northerly 413.43 feet to the point of beginning.

PARCEL IX:

All that tract or parcel of land, situate in the Village of Lancaster, Town of Lancaster, County of Erie, State of New York, being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING in the center line of Erie Street 594.20 feet southeasterly from the intersection of the center line of Erie Street with the center line of Court Street, which point of beginning is also the northeast corner of lands conveyed to Edward J. Kader by deed recorded in Erie County Clerk's Office in Liber 3305 of Deeds at page 544; thence southeasterly along the center line of Erie Street 118.19 feet to the westerly line of lands conveyed to Scott Aviation Corporation by deed recorded in Erie County Clerk's Office in Liber 6578 of Dedds at page 455; thence northerly along the westerly line of lands so conveyed to Scott Aviation Corporation by deed aforesaid 447.57 feet to the northerly line of lands of the Erie Railroad Company; running thence westerly and along the northerly line of the lands of the Erie Railroad Company 112.25 feet to the easterly line of lands conveyed to Edward J. Kader by deed recorded in Erie County Clerk's Office in Liber 3305 of Deeds at page 544; thence northerly along the easterly line of lands so conveyed to Edward J. Kader by deed aforesaid 417.5 feet to the center line of Erie Street at the point or place of beginning.

SURVEY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Village of Lancaster, County of Erie, and State of New York being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

Beginning at the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west, with the centerline of Erie Street, said point being 594.20' southeasterly from the intersection of the centerline of said Erie Street with the centerline of Court Street;

Thence S73°55'14"E along the centerline of said Erie Street a distance of 609.81' to the intersection of said centerline with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the west (Tax ID #104.16-5-9) and the lands of Scott Aviation Inc. (Reputed Owner) on the east (Tax ID #105.03-1-51), said line also described as the boundary division line between the Village of Lancaster on the west, and the Town of Lancaster on the east;

Thence S03°21'45"W along the aforementioned boundary division line to the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the north, and the lands of the Erie Railroad (Reputed Owner) on the south;

Thence N85°41'33"W along the aforementioned boundary division line a distance of 577.26' to the intersection of said boundary division line with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west;

Thence N01°12'46"E along the aforementioned boundary division line a distance of 471.07' to the point of beginning. Containing 5.48 acres of land, more or less.

The bearings used in this description are tied into the New York State Plane Coordinate System (NAD' 83, West Zone) as established on site by GPS observations.

DEC ENVIRONMENTAL EASEMENT DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Village of Lancaster, County of Erie, and State of New York being part of Lot No. 10, Section 7, Township 11, Range 6 of the Holland Land Company's Survey, bounded and described as follows:

Commencing at the intersection of the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west, with the centerline of Erie Street, said point being 594.20' southeasterly from the intersection of the centerline of said Erie Street with the centerline of Court Street;

Thence S01°12'46"W along the aforementioned boundary division line a distance of 186.00' to the true point or place of beginning;

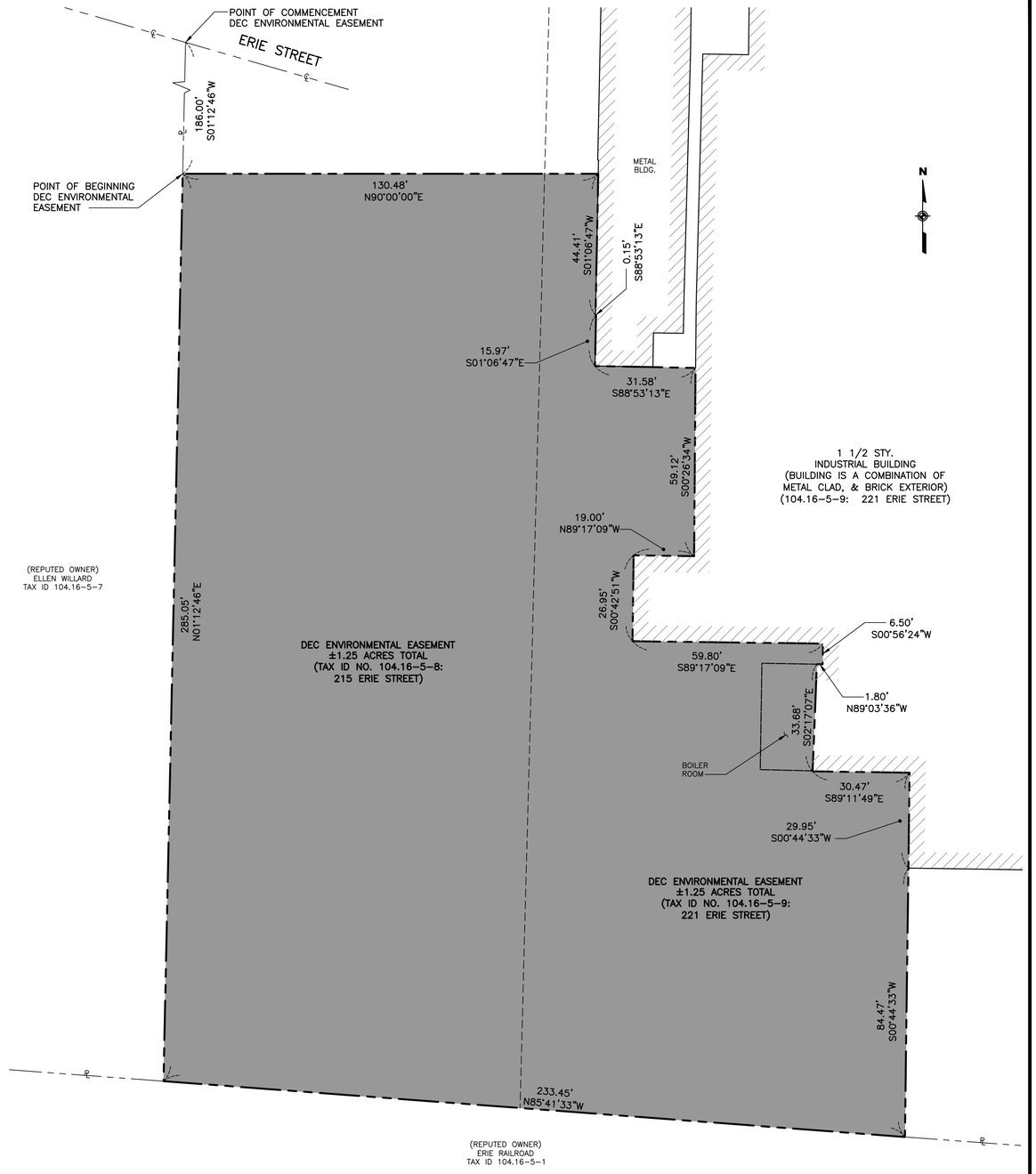
Thence in an easterly and southerly direction through the lands of said Scott Aviation Inc. the following 15 courses and distances:

1) N90°00'00"E a distance of 130.48' to the face of the building;
2) S01°06'47"W along the said face of the building a distance of 44.41' to a building corner;
3) S88°53'13"E continuing along the face of said building a distance of 0.15' to an angle point thereon;
4) S01°06'47"E continuing along the face of said building a distance of 15.97' to a building corner;
5) S88°53'13"E continuing along the face of said building a distance of 31.58' to the intersection of the projection of this line, with the building face of another wall of the same building;
6) S00°26'34"W continuing along the face of said building a distance of 59.12' to a building corner;
7) N89°17'09"W continuing along the face of said building a distance of 19.00' to a building corner;
8) S00°42'51"W continuing along the face of said building a distance of 26.95' to a building corner;
9) S89°17'09"E continuing along the face of said building a distance of 59.80' to a building corner;
10) S00°56'24"W continuing along the face of said building a distance of 6.50' to a building corner;
11) N89°03'36"W continuing along the face of said building a distance of 1.80' to the intersection of said building face with the east wall of the boiler room;
12) S02°17'07"E along the east wall of aforementioned boiler room a distance of 33.68' to the southerly face of Scott Aviation facility;
13) S89°11'49"E continuing along the southerly face of said building a distance of 30.47' to a building corner;
14) S00°44'33"W continuing along the face of said building a distance of 29.95' to a building corner;
15) S00°44'33"W continuing along the projection of the aforementioned building face a distance of 84.47' to the intersection of said course with the boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the north, and the lands of the Erie Railroad (Reputed Owner) on the south;

Thence N85°41'33"W along the aforementioned boundary division line a distance of 233.45' to the intersection of said line with the aforementioned boundary division line between the lands of Scott Aviation Inc. (Reputed Owner) on the east, and the lands of Ellen Willard (Reputed Owner) on the west;

Thence N01°12'46"E along the aforementioned boundary division line a distance of 285.05' to the point of beginning. Containing 1.25 acres of land, more or less.

The bearings used in this description are tied into the New York State Plane Coordinate System (NAD' 83, West Zone) as established on site by GPS observations.



DEC ENVIRONMENTAL EASEMENT DETAIL

10 0 10 20 — SCALE IN METERS
20' 0 20' — SCALE IN FEET
1 METER = 3.28083333 U.S. SURVEY FEET

NYSDEC ENVIRONMENTAL EASEMENT SURVEY

SCOTT AVIATION, INC.
225 ERIE STREET
VILLAGE OF LANCASTER
ERIE COUNTY, NEW YORK

FORMER SCOTT TECHNOLOGIES, INC. FACILITY (AREA 1) SITE
NYSDEC SITE No. C915233

SITUATE IN:
GREAT LOT NO. 10, SECTION 7, TOWNSHIP NO. 11, RANGE NO. 6
OF THE HOLLAND LAND COMPANY'S SURVEY

No.	Date	Revision Description

REVISIONS

AECOM
New York
257 West Genesee Street, Suite 400
Buffalo, New York 14202-2657
(716)856-5636 - (716)856-2545 fax

DRAWN BY: ELB SCALE: AS SHOWN
CHECKED BY: MDR DATE: FEBRUARY 2015
DWG. 2 OF 2

URS JOB NO. 11177339

STATE OF NEW YORK
MICHAEL D. ROZESKI
LICENSED LAND SURVEYOR
050523

THIS MAP VOID UNLESS EMBOSSED WITH NEW YORK STATE LICENSED LAND SURVEYORS SEAL MICHAEL D. ROZESKI NO. 050523

J:\Projects\SURVEY\11177339\SCOTT AVIATION EASEMENT SURVEYREVS-19-15.dwg 1:1
6/29/15-2, ELB

UNITED STATES POSTAL SERVICE

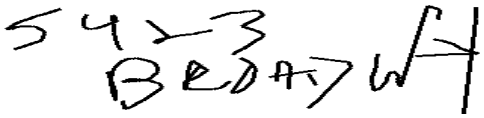
Date: December 3, 2015

Allyssa Moody:

The following is in response to your December 3, 2015 request for delivery information on your Certified Mail™ item number 9171999991703619334374. The delivery record shows that this item was delivered on December 3, 2015 at 11:19 am in LANCASTER, NY 14086. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :



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If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

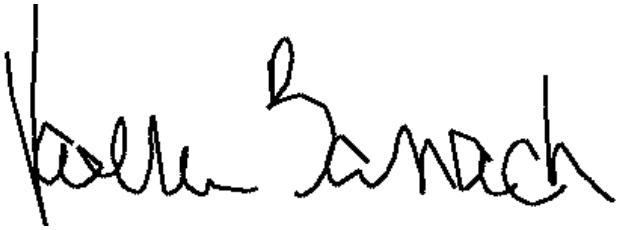
UNITED STATES POSTAL SERVICE

Date: December 3, 2015

Allyssa Moody:

The following is in response to your December 3, 2015 request for delivery information on your Certified Mail™ item number 9171999991703619334381. The delivery record shows that this item was delivered on December 3, 2015 at 10:22 am in LANCASTER, NY 14086. The scanned image of the recipient information is provided below.

Signature of Recipient :



Address of Recipient :

21 CENTRAL

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

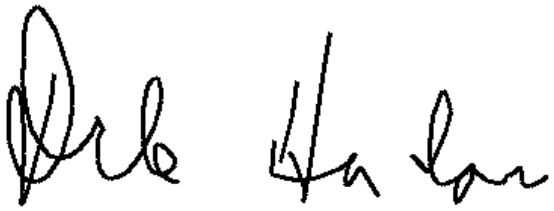
UNITED STATES POSTAL SERVICE

Date: December 3, 2015

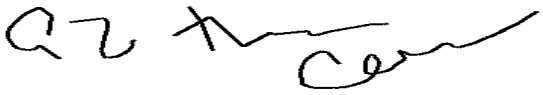
Allyssa Moody:

The following is in response to your December 3, 2015 request for delivery information on your Certified Mail™ item number 9171999991703619334398. The delivery record shows that this item was delivered on December 3, 2015 at 10:57 am in BUFFALO, NY 14202. The scanned image of the recipient information is provided below.

Signature of Recipient :



Address of Recipient :



Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

APPENDIX B – COMPACT DISK OF DRAFT FER WITH ALL SUPPORTING DOCUMENTATION