AECOM Environment

Prepared for:
Scott Technologies, Inc.
Princeton, NJ

Prepared by:
AECOM
Amherst, NY
60155991
March 2015

FINAL CONSTRUCTION COMPLETION REPORT

2014 Interim Remedial Measures

Former Scott Aviation Facility
Lancaster, NY

AECOM Environment

Prepared for:
Scott Technologies, Inc.
Princeton, NJ

Prepared by:
AECOM
Amherst, NY
60155991
March 2015

FINAL CONSTRUCTION COMPLETION REPORT

2014 Interim Remedial Measures

Former Scott Aviation Facility
Lancaster, NY

Dino Zack, P.G.

_____
Prepared By [Name]

Scott Underhill, P.E.

_____
Reviewed By [Name]

Contents

Engineering Certification vii

1.0 BACKGROUND AND SITE DESCRIPTION 1

2.0 SUMMARY OF SITE REMEDY 2

3.0 DESCRIPTION OF REMEDIAL ACTIONS COMPLETED 3

3.1 STORM SEWER IRM AREA 3
3.2 SOIL VAPOR INTRUSION AREA 3
3.3 SOILS (METALS) IRM AREA 3
3.4 SOIL (VOCs) IRM AREA 4

4.0 GOVERNING DOCUMENTS 5

4.1 SITE SPECIFIC HEALTH & SAFETY PLAN 5
4.2 SITE SPECIFIC QUALITY ASSURANCE PROJECT PLAN 5
4.3 SOIL/MATERIALS MANAGEMENT PLAN 5
4.4 EROSION & SEDIMENT CONTROL 5
4.5 COMMUNITY AIR MONITORING PLAN 5

5.0 REMEDIAL PROGRAM ELEMENTS 6

5.1 CONTRACTORS AND CONSULTANTS 6
5.2 SITE PREPARATION 6
5.3 GENERAL SITE CONTROLS 6
5.4 NUISANCE CONTROLS 6
5.5 COMMUNITY AIR MONITORING PROGRAM RESULTS 6
5.6 REPORTING 6
5.7 RESTORATION 7

6.0 CONTAMINATED MATERIAL REMOVAL 8

6.1 STORM SEWER IRM 8
6.2 SOIL VAPOR INTRUSION IRM 10
6.3 SOILS (METALS) IRM 11
6.4 SOIL (VOCs) IRM 12
6.5 CONFIRMATION SAMPLING 13

7.0 DISPOSAL DETAILS..... 15

8.0 BACKFILL..... 16

9.0 DEVIATIONS FROM THE RAWP 17

10.0 REFERENCES 18

Appendices

Appendix A Sub-Slab Vapor Evaluation Report (January 23, 2015)

Appendix B Soil Characterization Analytical Results

Appendix C Community Air Monitoring Program Data Summary Report

Appendix D Weekly Field Summary Reports

Appendix E Photograph Log

Appendix F Waste Disposal Documentation

Appendix G Analytical Laboratory Reports (on CD)

Appendix H Imported Fill Documentation

List of Tables

Table 1 Soil Transport and Disposal Summary

Table 2 Storm Sewer Re-Use Results

Table 3 MW-41B Metals Confirmation Results

Table 4 DPT8 Metals Confirmation Results

Table 5 TCLP Soil Results

Table 6 IRM Re-Use Soil Results

Table 7 Former IRM Area Soil VOC Results

Table 8 Import Fill VOC Results

Table 9 TCLP Results from Catch Basin Debris

List of Figures

Figure 1 Site Location

Figure 2 Site Layout

Figure 3 Catch Basins, Storm Sewer Piping, and Outfall Locations

Figure 4 Shallow TVOC Plume with Storm Sewer IRM Locations

Figure 5 Sub-Slab Vapor Area of Concern

Figure 6 Metals and VOC Soil Excavation IRM Locations

Figure 7 Shallow TVOC Plume with Completed Storm Sewer IRM Locations

Figure 8 MW-41B IRM Confirmation Locations and Results

Figure 8 DPT-8 IRM Confirmation Locations and Results

List of Acronyms

AAR	Alternatives Analysis Report
BCP	Brownfield Cleanup Program
bgs	Below Ground Surface
CAMP	Community Air Monitoring Program
CCR	Construction Completion Report
DER	Division of Environmental Remediation
ft	Feet
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
µg/l	Micrograms per Liter
NYCRR	New York State Official Compilation of Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PID	Photoionization Detector
PCB	Polychlorinated Biphenyls
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QHHEA	Qualitative Human Health Exposure Assessment
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RI/AA	Remedial Investigation / Alternatives Analysis
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SRI	Supplemental Remedial Investigation
SRIR	Supplemental Remedial Investigation Report
SSD	Sub-slab Depressurization
SVI	Soil Vapor Intrusion
SVOC	Semi-volatile Organic Compound
TCLP	Toxicity Characteristics Leaching Procedure
TVOC	Total Volatile Organic Compounds
VOC	Volatile Organic Compound

Engineering Certification

I Scott Underhill certify I am currently a NYS registered professional engineer and that this Interim Removal Measure Remedial Construction Completion Report for the Former Scott Aviation Facility Site was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER10) and that all activities were performed in full accordance with DER-approved work plan and any DER-approved modifications.

Respectfully submitted,
AECOM Technical Services, Inc.

3-27-15

Scott Underhill — Date
Registered Professional Engineer
New York License No. 075332

1.0 BACKGROUND AND SITE DESCRIPTION

On behalf of Scott Technologies, Inc., AECOM Technical Services, Inc. (AECOM) has prepared this Final Construction Completion Report (CCR) for the 2014 Interim Remedial Measures (IRMs) under the guidance of New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP) for the former Scott Aviation Facility Area 1 site (Site) located at 225 Erie Street, Village of Lancaster, Erie County, New York (**Figure 1**). **Figure 2** depicts the three AVOX plants, as well as the Site boundary located on the west and southwest sides of Plant 1.

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). Scott Technologies, Inc. (a subsidiary of Tyco International (Tyco)) has applied for entry into the NYSDEC BCP as a participant to investigate and remediate, as appropriate, potential areas of environmental concern associated with the Site. On September 11, 2008, Scott Technologies, Inc. submitted an application for the Site to enter the NYSDEC BCP, per Title 6 New York State Official Compilation of 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.

A Remedial Investigation Report (RIR) (AECOM, September 1, 2011) presenting the findings of the remedial investigation (RI) was submitted to the NYSDEC and the New York State Department of Health (NYSDOH), and approved on September 15, 2011. A revised Supplemental Remedial Investigation Report (SRIR) (AECOM, April 30, 2012) presenting the findings of additional RI work performed in May, June, and October 2011 was submitted to NYSDEC and NYSDOH on April 30, 2012, and approved on June 1, 2012. A Draft Alternatives Analysis Report (AAR) (AECOM, April 2013) was developed based upon findings of the RI and Supplemental Remedial Investigation (SRI). The Draft AAR has been completed in accordance with NYSDEC Division of Environmental Remediation (DER) Draft Brownfield Cleanup Program Guide (BCP Guide) (NYSDEC, May 2004), 6 NYCRR Part 375 Environmental Remediation Programs (NYSDEC, December 14, 2006), and NYSDEC DER Technical Guidance for Site Investigation and Remediation (DER-10) (NYSDEC, May 3, 2010). Per agency comments on the draft AAR, AECOM completed a soil vapor intrusion (SVI) investigation in July 2013 and submitted a letter report to the NYSDEC (AECOM, August 2013). A second investigation and report was completed in September 2013 to follow up on one trichloroethene detection in soil vapor above the method detection limit (AECOM, October 2013).

During a conference call between the NYSDEC, Tyco, AECOM, and AVOX on February 28, 2014, the NYSDEC recommended moving forward with the BCP cleanup in lieu of an approved AAR at this time by completing discrete IRMs. These IRMs were proposed in an IRM Remedial Action Work Plan (RAWP) dated June 4, 2014. On August 14, 2014, NYSDEC provided approval to begin work per the RAWP. AECOM held a project kickoff meeting at the site on September 4, 2014 with AVOX, the NYSDEC, and AECOM's subcontractor Matrix Environmental Technologies, Inc. (Matrix). IRM construction activities were initiated on September 8, 2014. This Final IRM CCR is in compliance with

DER-10 Section 5.8, *Construction Completion Report and Final Engineering Report*, and summarizes these IRM activities.

2.0 SUMMARY OF SITE REMEDY

Several Site investigations and a prior IRM (performed in 2005 for volatile organic compounds (VOCs) in soil have previously been conducted at the Site (refer to Section 2.0 of the RAWP for referenced project documents). The objectives of the RAWP were to address issues identified at the Site in the RIR, SRI, and draft AAR via four IRMs as summarized below:

1) Prevention of groundwater infiltration into the storm sewer piping in the footprint of the total VOC (TVOC) shallow groundwater plume (>20 micrograms per liter (μg/l)), by sealing the storm sewer pipe joints and pipes entering the 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 through the gravel pipe bedding into native soils;

2) Installation of a sub-slab depressurization (SSD) system for the AVOX Plant 1 boiler room, to mitigate SVI concerns;

3) Excavation of shallow soils in selected locations, to a design depth of 2 feet (ft) below ground surface (bgs), that were identified as containing certain metals (cadmium, copper, nickel, and total mercury) exceeding NYSDEC Subpart 375-6 Commercial Use soil cleanup objectives (SCOs); and

4) Excavation of the former (2005) IRM area at the 6 to 8 ft bgs interval, to address residual VOCs in soil exceeding NYSDEC Subpart 375-6 Unrestricted Use SCOs based upon historic characterization VOC sample data. VOCs with elevated concentrations included 1,1-dichloroethene, cis-1,2-dichloroethene, ethylbenzene, toluene, 1,1,1-trichloroethane, trichloroethene, and total xylenes.

The selection of these four IRMs is discussed in the Draft AAR.

3.0 DESCRIPTION OF REMEDIAL ACTIONS COMPLETED

The interim remedial remedy for the Site was completed under the oversight of AECOM, in accordance with DER-10 and supporting documentation as discussed in Section 4.0 of this report. Between September 2014 and October 2014, the four IRMs proposed in the RAWP were enacted within the footprint of the Site.

3.1 STORM SEWER IRM AREA

The main storm sewer network associated with the Site is illustrated in **Figure 3**. The storm sewer pipe joints (as determined through a previous video survey) located within the >20 μg/l TVOC shallow groundwater plume are shown in **Figure 4**. The storm sewer pipe joints were exposed and sealed, and the annulus of storm sewer pipes and roof drain pipes entering the catch basins located within the footprint of the TVOC shallow groundwater plume (>20 μg/l) were sealed to prevent groundwater from entering the catch basins. Also, as shown on **Figure 4**, one section of perforated pipe was replaced with a non-perforated pipe section. Off-site migration of groundwater was mitigated within the storm sewer gravel bedding by installing several impermeable "plugs" around the storm sewer piping and through the gravel pipe bedding into native soil.

3.2 SOIL VAPOR INTRUSION AREA

An SSD system was proposed in the RAWP to mitigate vapor concerns identified by sub-slab and indoor air sampling performed during the 2010 RI for a limited area in the southwestern corner of the existing Plant 1 building, specifically the boiler room (**Figure 5**).

SSD communication testing of the boiler room was conducted in September 2014, and a SSD system design was drafted. During the inspection of the boiler room, several saw cuts, cold joints, and cracks were identified in the concrete floor as well as several floor perforations (drains). These features were not noted during the RI, because the boiler room was being used, in part, for storage, with boxes and equipment, etc. covering most of the floor.

On November 4, 2014, AECOM and the NYSDEC inspected the concrete floor of the boiler room and AECOM sealed visible floor cracks and saw cuts with concrete caulk. In addition, the annulus between a drain line effluent and the associated foundation perforation was sealed with expanding foam. Two other foundation perforations (drains) were observed and temporarily plugged with modelling clay. On December 23, 2014, with concurrence by NYSDEC and NYSDOH, a second round of air samples was collected from the boiler room in lieu of submitting the SSD system design. The updated vapor data and recommendations are summarized in the draft Sub-Slab Vapor Evaluation Report submitted to NYSDEC and NYSDOH on January 23, 2015; refer to **Appendix A** for a copy of this letter report.

3.3 SOILS (METALS) IRM AREA

Excavation of shallow and subsurface soils associated with RI boring locations MW-41B, DPT8-1, and DPT8-2 occurred within the footprint of the Soils (Metals) IRM area. Refer to **Figure 6** for the location

of the soils (metals) IRM excavation areas. Approximately 15 cubic yards of shallow soil containing certain metals (cadmium and nickel) exceeding NYSDEC Subpart 375-6 Commercial Use SCOs were excavated from an area centered on MW-41B. Approximately 60 cubic yards of shallow soil was excavated from an area encompassing DPT8-1 and DPT8-2, targeting total mercury, copper, and cadmium exceedances that were detected at the 0 to 2 ft bgs interval at these borings. Additional excavation was required to obtain confirmatory sidewall samples that were in compliance with Commercial Use SCOs at DPT8-1 (south sidewall) and DPT8-2 (north sidewall) areas. Excavated soil was stockpiled, analyzed, and reported as non-hazardous, allowing disposal to occur at the Town of Tonawanda Landfill (non-hazardous waste landfill).

3.4 SOIL (VOCs) IRM AREA

The Soil (VOCs) IRM area consisted of excavation of the former (2005) IRM area to a depth of 8 ft bgs, to address VOCs in soil exceeding NYSDEC Subpart 375-6 Unrestricted Use SCOs. During the 2005 IRM, that area was excavated to a depth of 6 ft bgs and then backfilled with imported fill. The 2014 IRM targeted the 6 ft bgs to 8 ft bgs interval for segregation and removal; soil from the grade to 6 ft bgs was segregated and characterized for re-use or disposal separate from the 6 ft bgs to 8 ft bgs interval. Refer to **Figure 6** for the location of the soil (VOC) IRM excavation area. As a result of elevated photoionization detector (PID) field readings following the excavation to 8 ft bgs, the excavation continued an additional 2 ft in depth and approximately 2 ft laterally on each side wall (where feasible).

Approximately 100 cubic yards of soil was excavated. The excavated soil was segregated into two stockpiles; 0 to 6 ft bgs interval which was analyzed and determined to be acceptable for re-use, and 6 to 10 ft bgs which was analyzed, and reported as non-hazardous, allowing disposal to occur at the Town of Tonawanda Landfill (non-hazardous waste landfill).

4.0 GOVERNING DOCUMENTS

4.1 SITE SPECIFIC HEALTH & SAFETY PLAN

All remedial work performed at the Site under this IRM was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA. The Health and Safety Plan (HASP) presented in the Remedial Investigation/Alternatives Analysis (RI/AA) Work Plan (February 2010) and associated amendment to the HASP as included in the RAWP were followed for all remedial and invasive work completed at the Site.

4.2 SITE SPECIFIC QUALITY ASSURANCE PROJECT PLAN

The Quality Assurance Project Plan (QAPP) included in the RI/AA Work Plan was followed for this work. The QAPP described the specific policies, objectives, organization, functional activities and quality assurance/quality control activities designed to achieve the project data quality objectives.

4.3 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 June 2014 RAWP. The 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 planned as the disposal facility for Site non-hazardous soil.

Between September 8, 2014 and October 2, 2014, 227.06 tons of impacted soil were excavated from the Site, and disposed of at the Town of Tonawanda Landfill. No RCRA-regulated waste was encountered during the 2014 IRMs.

4.4 EROSION & SEDIMENT CONTROL

The erosion and sediment controls for the IRM work were completed in conformance with the requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and as discussed in the RAWP. AECOM and Matrix used silt fencing, straw berms, and polyethylene sheeting to control runoff and minimize fugitive dust.

4.5 COMMUNITY AIR MONITORING PLAN

The community air monitoring plan (CAMP) was developed in accordance with the NYSDOH Generic CAMP and is summarized in Section 4 of AECOM's June 2014 RAWP. The CAMP included daily dust sampling of downwind locations to fulfill perimeter community air monitoring requirements. VOC monitoring was implemented at areas where VOCs were a contaminant of concern.

5.0 REMEDIAL PROGRAM ELEMENTS

5.1 CONTRACTORS AND CONSULTANTS

Matrix Environmental Technologies, Inc. from Orchard Park, New York implemented IRM construction work under the supervision of AECOM from the Buffalo, New York office. Pariso Logistics, Inc. from Tonawanda, New York was contracted with Matrix to provide waste hauling. TestAmerica Laboratories, Inc. located in Amherst, New York performed analytical analyses of soil and air samples. Scott Underhill, P.E. is the AECOM Engineer of Record for the IRM project.

5.2 SITE PREPARATION

Prior to intrusive work, DigSafeNY was notified. On September 8, 2014 Matrix and AECOM mobilized to the site to construct soil staging areas and to install erosion and sedimentation controls in accordance with the RAWP. Characterization analysis for the soil excavation IRM work areas was conducted prior to IRM excavation activities using historical data collected from previous investigations and IRMs, including the results from the 2005 IRM. Soil characterization analytical results are included in **Appendix B.**

5.3 GENERAL SITE CONTROLS

The Site is located on private property owned by AVOX. Intrusive areas were protected with high visibility fencing as needed, and equipment decontamination and soil staging areas were completed within the staging area located within the boundaries of the Site.

5.4 NUISANCE CONTROLS

Truck routing was arranged to minimize local impacts and to limit travel through residential areas. Dust and odor controls were arranged onsite; no CAMP exceedances or odor complaints were observed throughout the IRM activities.

5.5 COMMUNITY AIR MONITORING PROGRAM RESULTS

Air monitoring data were collected by AECOM throughout the 2014 remedial activities conducted at the Site. The data were summarized and sent to NYSDEC and NYSDOH on October 17, 2014. The CAMP data summary report, including a figure showing the predominant wind direction and closest downwind receptor and downwind resident relative to the VOC excavation area, is provided in **Appendix C**.

5.6 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. Weekly field summary reports included a detailed description of work performed during the week as well as tracking figures and data summary tables; weekly field summary reports are included in **Appendix D**.

5.7 RESTORATION

Following excavations at the IRM areas, the disturbed areas were restored to pre-excavation conditions.

Excavations in paved areas were backfilled with clean imported soil including 56.72 tons of topsoil and 168.32 tons of fill, compacted using a roller or the excavator bucket, then completed with crushed stone and patched with asphalt. All backfill soil brought to the Site was sampled for VOCs, semi-volatile organic compounds (SVOCs), metals, pesticides and polychlorinated biphenyls (PCBs) to document concentrations are below required SCOs per DER-10. Sample frequency for imported or re-use fill was based on Table 5.4(e) 10 in DER-10.

Excavations in grassy areas were backfilled with clean imported and re-use fill, compacted using a roller or the excavator bucket, covered with 6-inches of topsoil, seeded and mulched.

Floor holes created during the SSD system installation were patched with concrete or like material.

6.0 CONTAMINATED MATERIAL REMOVAL

SCOs are cleanup standards, standards of control, and other substantive environmental protection requirements, criteria or limitations promulgated under federal or state law that specifically address a hazardous substance, pollutant, contaminant, remedial action, or location. Guidance values include non-promulgated criteria and guidelines that are not legal requirements, but should be considered if determined to be applicable to the Site. For the IRM activities, chemical-specific SCOs are based on 6 NYCRR Part 375 Commercial Use and Unrestricted Use SCOs: Unrestricted Use SCOs for VOCs and Commercial Use SCOs for SVOCs, metals, pesticides and PCBs.

Between September 8, 2014 and October 2, 2014, 227.06 tons of impacted soil were excavated from the Site, transported by Pariso Logistics, Inc. in 12 trucks to the Town of Tonawanda Landfill for disposal. Photographs of field activities are included in **Appendix E**. The Town of Tonawanda Landfill facility profiles, approvals, disposal manifests, and weight tickets are included in **Appendix F**. Refer to **Table 1** for a summary of soil transportation and disposal weights per landfill manifests.

The anticipated redevelopment plan for the Site is consistent with current zoning for Commercial Use. AECOM completed a qualitative human health exposure assessment (QHHEA) as presented in the draft AAR to evaluate the presence of completed or potential exposure pathways in order to determine if Site contamination poses an existing or potential hazard to current or future Site users. The QHHEA, in conjunction with the RI and SRI, identified the potential for human exposure to chemical constituents in the soil, groundwater, and air at the Site (keeping in mind that the remediation of groundwater will be addressed at a later date under an approved IRM RAWP for that medium). Based upon Site investigation results, the Site was observed to have been affected by former facility operations. Chemicals of potential concern for soil at the Site were identified based on exceedances of their respective SCOs.

Four discrete soil contamination and vapor intrusion areas were identified during the RI and SRI at the Site (locations discussed in Section 3 of this CCR). The RAWP described the areas and depths of excavation (RAWP, Section 3). Prior to excavation work, AECOM and Matrix demarcated excavation area boundaries and sub slab communication testing locations within the BCP footprint. Initial excavations were conducted to the depths noted in the RAWP. For areas requiring over excavation due to confirmatory failures, bottoms and side walls were extended in two-foot lifts.

To facilitate the IRM work, the site was divided into four areas based on the specific IRMs discussed in Section 3 of the RAWP.

6.1 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 CB-2 and CB-W was constructed of 6-inch diameter polyvinyl chloride (PVC), the west half of which was perforated within the footprint of the pre-determined TVOC >20 μg/l shallow groundwater plume. The storm

sewer piping network is connected to six concrete catch basins. Additionally, several roof drains from Plant 1 are connected into the system via 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 to prevent groundwater from entering the catch basin around that piping.

Implementation of the Storm Sewer IRM began with utility clearance within the proposed excavation locations for storm sewer joint sealing and soil excavation IRMs. This clearance also included an assessment of privately-owned utilities by reviewing existing AVOX utility as-built drawings and conducting interviews with AVOX maintenance personnel. Environmental controls were implemented that included air monitoring, silt fencing, and construction water management; those controls were established per Section 4.0 of the RAWP.

After clearance was achieved, construction began with the excavation of pipe joints and replacement of the perforated pipe between CB-W and CB-2 with a solid pipe. All pipe joints identified within the >20 μg/l TVOC groundwater plume as shown in **Figure 7** were exposed via excavation of surrounding soil, and sealed with a bentonite / Portland cement mix (grout). Pipes entering catch basins, including CB-W, CB-E, CB-2, and CB-3, were exposed via excavating the soil around the catch basins, and each annulus was sealed. The annulus of each roof drain pipe entering a catch basin was also sealed with grout to prevent groundwater infiltration into the catch basin.

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, and analyzed for compliance with DER-10 soil backfill reuse requirements; refer to **Table 2** for a summary of analytical results compared to Unrestricted Use SCOs for VOCs and Commercial Use SCOs for SVOCs, metals, pesticides and PCBs.

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 under 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 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. A wooden form was installed in the trench and filled with a bentonite / Portland cement mix (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 7** for the location of the pipe joint repairs, replaced perforated pipe section, and impermeable dams. Refer to **Appendix E** for representative photographs of this activity.

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 per Section 8.0 of the IRM RAWP. All stockpiles were covered with polyethylene sheeting, and intrusive areas were protected with high visibility fencing. No CAMP exceedances were observed throughout IRM implementation, and no construction water was generated that required treatment.

6.2 SOIL VAPOR INTRUSION IRM

An SSD system was proposed in the June 2014 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 5**).

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. These data were summarized in a letter report dated January 23, 2015 (refer to **Appendix A** for a copy of the letter report).

Based on the analytical results from the sub-slab vapor evaluation, ten compounds were detected in the sub-slab sample, four compounds were detected in the indoor air sample, and two compounds were collected from the ambient (outdoor) air sample. There were considerably less compounds detected during the 2014 event compared to the event performed in 2010. Refer to Table 1 in the attached **Appendix A** for 2010 and 2014 air results compared to the United States Environmental Protection Agency Building Assessment and Survey Evaluation (BASE) database.

Table 2 in the attached **Appendix A** matches the seven compounds identified in the 2010 and 2014 samples to Table 3.1 in the DOH Guidance document; two compounds triggering 'mitigation' in 2010 were now listed as 'monitoring'.

Comparing the 2014 trichloroethene (TCE) concentrations of indoor air and sub-slab air to DOH Guidance Soil Vapor / Indoor Air Matrix 1 (note carbon tetrachloride and vinyl chloride were not detected), the recommended action is to "monitor".

Comparing the 2014 tetrachloroethylene (PCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichlorethene (1,1-DCE), and 1,1,1-trichloroethane (1,1,1-TCA) concentrations of indoor air and sub-slab air to DOH Guidance Soil Vapor / Indoor Air Matrix 2, the recommended action based on the PCE concentration is to 'monitor'. 'No further action' is recommended based on the cis-1,2-DCE, 1,1-DCE and 1,1,1-TCA concentrations. The sub-slab concentration of PCE in 2014 was less than half of what the concentration of PCE was in 2010. Likewise, the concentrations of cis-1,2-DCE, 1,1-DCEand 1,1,1-TCA dropped by an order of magnitude.

The ambient (outdoor) air sample exhibited trace levels of two VOCs. In general, the analytical results from the field duplicate corroborated the concentrations identified in the parent sample (AS-1R) with the addition of two compounds.

Conclusions from the 2004 indoor air/sub-slab vapor sampling include:

- The 2014 indoor air sample did not detect any chlorinated VOCs listed in the DOH Guidance document.
- The 2014 sub-slab vapor sample detected 1,1,1-TCA, cis-1,2-DCE, 1,1-DCE, PCE, and TCE. According to the DOH 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 sub-slab vapor contaminate into the building. The changes have decreased the concentrations in the indoor air samples and lowered the action level from 'mitigation' to 'monitoring'.

Based on the 2004 indoor air/sub-slab vapor sampling, no mitigation of the sub-slab vapor is required. Monitoring of the indoor air and sub-slab should be performed if the use or occupancy of the Boiler Room changes.

These data were summarized in a letter report dated January 23, 2015 (refer to **Appendix A** for a copy of the letter report). A final SSD system design has not been submitted at this time based on the improvement of conditions to the slab and lack of occupancy. This recommendation will be included in the AAR and Site Management Plan

6.3 SOILS (METALS) IRM

Excavation of shallow soils containing metals above NYSDEC Subpart 375-6 commercial use SCOs was proposed in the June 2014 RAWP to remediate multiple areas within the Site. Two metals (cadmium and nickel) were observed above Commercial Use SCOs at boring location MW-41B at the 0 to 0.2 ft bgs interval (i.e., surface soil); refer to **Appendix B** for historical soil results. An initial horizontal excavation limit was established using a 20 foot wide box centered on the boring, with an excavation depth of 1 ft; approximately 15 cubic yards of soil was excavated from MW-41B area. Per the RAWP, several discrete areas within the 20 ft box around MW-41B were not planned to be excavated due to the presence of physical constraints including monitoring wells, catch basin, large trees, and the AVOX Plant 1 perimeter fence (RAWP, Section 3.3.1).

Excavation of subsurface soils containing metals above NYSDEC Subpart 375-6 Commercial Use SCOs was also proposed in the RAWP to address metals detections at DPT8-1 and DPT8-2. 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, and cadmium and nickel were detected at the 0 to 0.2 ft bgs interval at DPT8-2. Refer to **Appendix B** for historical soil results. An initial horizontal excavation limit was established using a 20 ft wide box centered on each of the borings, with an excavation depth of 2 ft from 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-31, and around the AVOX hazardous waste storage unit (RAWP, Section 3.3.2).

Preceding excavation activities, excavation locations and exceptions were demarcated, while clearance was obtained following an investigation of existing utilities on-site. Environmental controls were established, per Section 4.0 of the RAWP, including air monitoring, silt fencing, and construction water management; note, no construction water was generated that required treatment.

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 8** for the locations of confirmation samples and chemical-boxes comparing historical exceedances against confirmation data. Following receipt of passing sample confirmation data and concurrence from the NYSDEC, the excavated area was backfilled with

imported soil that met NYSDEC Unrestricted Use SCOs, and restored to pre-excavation conditions per Section 8.0 of the RAWP.

Soil was excavated to 2 ft bgs in the vicinity of DPT8-1 and DPT8-2 per the RAWP. Confirmatory side wall samples collected from the south sidewall at DPT8-1 and from the north sidewall at DPT8-2 exceeded 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 4** for a summary of confirmation data and **Figure 9** for the locations of confirmation samples and chemical-boxes comparing historical exceedances against confirmation data. Following receipt of passing sample confirmation data and concurrence from the NYSDEC, the excavated area was backfilled with imported soil that met NYSDEC Unrestricted Use SCOs, and paved with asphalt to pre-excavation conditions per Section 8.0 of the RAWP.

Excavated soil generated from DPT8-1, DPT8-2, and MW-41B 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 5** for a summary of TCLP data compared to regulatory hazardous waste thresholds. The TCLP analysis was submitted to the disposal landfill for approval and the waste profile sent to the NYSDEC. Following approval by the landfill, those non-hazardous soil stockpiles were loaded into trucks by Matrix 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, approvals, disposal manifests, and weight tickets are included in **Appendix F**, and a summary of soil transportation and disposal weights is included in **Table 1**.

All stockpiles were covered with polyethylene sheeting during temporary storage, and intrusive areas were protected with high visibility fencing. No CAMP exceedances were detected throughout the IRM implementation, and no construction water was generated that needed treatment. The CAMP data summary report is provided in **Appendix C**.

6.4 SOIL (VOCs) IRM

VOC concentrations from soil confirmation samples collected in 2005 following an IRM soil excavation were found to be in exceedance of the Unrestricted Use SCO; refer to **Appendix B** for historical data. These samples were collected at or below typical shallow overburden groundwater depths, and contained concentrations of 1,1-dichloroethene, cis-1,2-dichloroethene, ethylbenzene, toluene, 1,1,1-trichloroethane, trichloroethene, and total xylenes that exceeded NYSDEC Subpart 375-6 Unrestricted Use SCOs. 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).

Preceding excavation activities, excavation locations and exceptions were demarcated with high visibility fencing, while clearance was obtained following an investigation of existing utilities onsite. Environmental controls were placed including air monitoring, silt fencing, and construction water management established per Section 4.0 of the RAWP. 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 0 to 6 ft bgs soil interval revealed VOC levels remained below Unrestricted Use SCOs (refer to **Table 6** for IRM re-use soil sample results), permitting the reuse of that soil as backfill.

Elevated 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 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, sampled for TCLP analysis, and covered until TCLP analysis determined that excavated soil to be non-hazardous (refer to **Table 5**). The TCLP analysis was submitted to the disposal landfill for approval, and the waste profile sent to NYSDEC. Following the 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 Matrix 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 VOC detections exceeding Unrestricted Use SCOs (refer to **Table 7** for characterization sample results and **Figure 8** 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. Fill from the 2005 IRM and imported fill in compliance with NYSDEC DER-10 was used to backfill the excavation areas created for this IRM. Areas affected by the intrusive activity of this IRM were restored to pre-excavation conditions per Section 8.0 of the RAWP. No construction water was generated that required treatment, and there were no exceedances at the CAMP stations throughout IRM implementation. The CAMP data summary report is provided in **Appendix C**.

6.5 CONFIRMATION SAMPLING

Following each of the IRM soil excavations, confirmation soil samples were collected from the excavation sidewalls and bottoms; refer to **Figure 8** and **Figure 9** for the approximate locations of soil samples. The soil samples were collected in accordance with the QAPP. The character of sidewall and underlying soil was visually examined. Sidewall and bottom sample locations were intentionally biased toward areas of greatest potential concern, as determined by visual evidence of soil characteristics as well as PID readings. Confirmation soil sample locations were approved in the field by a NYSDEC representative when present. Soil samples were submitted to TestAmerica Laboratories, Inc. in Amherst, New York under standard chain-of-custody procedures. TestAmerica Laboratories, Inc. has a current NYSDOH Environmental Laboratory Approval Program certification for the state of New York. The analytical schedule for each remediation area was based on SCO exceedances in the RI/SRI.

Analyses were conducted for:

- VOCs by USEPA Method 8260;
- SVOCs by USEPA Method 8270;

- Metals by USEPA Method 6010 and 7471;
- PCBs by USEPA Method 8082;
- Cyanide by USEPA Method 9012;
- Chlorinated Herbicides by USEPA Method 8151;
- Hexavalent Chromium by USEPA Method 7196;
- Organochlorine Pesticides by USEPA Method 8081;
- Flashpoint by USEPA Method 1010;
- Reactive Sulfide by USEPA Method 9034; and
- pH by USEPA Method 9045.

All confirmation sample results were compared to 6 NYCRR Part 375 Commercial Use and Unrestricted Use SCOs, as appropriate (refer to **Tables 3** and **4**). Laboratory analytical reports are provided in **Appendix G**.

Each excavation remained open until receipt of soil analytical results determined that confirmation soil samples were below respective SCOs, and the NYSDEC issued approval to discontinue excavation.

7.0 DISPOSAL DETAILS

Waste characterization samples were collected by AECOM from the impacted soil stockpiles generated during the IRMs of the former Scott Aviation Facility Area 1; refer to **Table 5** for TCLP data. These samples were collected in conformance with DER-10, Table 5.4(e)10, *Recommended Number of Soil Samples for Soil Import To or Exported From a Site*, submitted to TestAmerica Laboratories, Inc. for analyses of Full TCLP by USEPA Methods 8260 (VOCs), 8470C (PAHs), 8270D (SVOCs), 6010 and 7470 (metals), and 8081 (pesticides). Samples were also analyzed by USEPA Methods 9045 (pH), 9012 (reactive cyanide), 8082 (PCBs), and 1010 (flashpoint). The results were submitted for approval to dispose of soil at the Town of Tonawanda Landfill Closure facility located in Tonawanda, New York. The waste profile was sent to the NYSDEC for approval; refer to **Appendix F** for the approval letter.

A total of 227.06 tons of impacted soil (non-hazardous) were generated by the metals and VOC soil IRMs. This soil was loaded by Matrix and transported by Pariso Logistics, Inc. to the Town of Tonawanda Landfill in 12 trucks (refer to **Table 1** for a summary of soil transport and disposal weights). The Town of Tonawanda Landfill facility profiles, approvals, disposal manifests, and weight tickets are included in **Appendix F**.

No construction water was generated during the IRM work that required treatment.

8.0 BACKFILL

In accordance with the approved IRM RAWP, backfill soil brought on-site was composited and sampled for VOCs, SVOCs, metals, pesticides and PCBs to document that concentrations met the respective NYSDEC Part 375 SCOs per DER-10; refer to **Table 8** for a summary of analytical data for the imported fill. The imported backfill met Unrestricted Use SCOs, with the exception of the following pesticides: 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT. (Note: The pesticide concentrations exceeding Unrestricted Use SCO's were well below the Commercial Use SCO's).

Imported fill (general fill and topsoil) was supplied by Gernatt Asphalt Products, Inc. from the Chaffee pit in New York, under NYSDEC permit #9043-30-0502. Refer to **Appendix H** for gradational tables of the general fill and topsoil, and copies of the weight tickets. Approximately 168 tons of general fill and 56 tons of topsoil were transported to the site for backfill.

In addition, excavations were also backfilled with excavated fill from the Storm Sewer IRM area, following its approval under DER-10 soil reuse requirements (analytical results are listed in **Table 2**). The 0-6 ft bgs of historic fill from the 2005 IRM at the VOC IRM area was reused in compliance with DER-10 at the same location from which it was removed (analytical results are listed in **Table 6**). The re-used backfill met Unrestricted Use SCOs, with the exception of three pesticides (Dieldrin, 4,4'-DDE, and 4,4'-DDT), and two metals (chromium and selenium). (Note: The pesticide and metal concentrations that exceeded Unrestricted Use SCO's were well below the Commercial Use SCO's). Excavation areas generated during the metal soil IRM were backfilled entirely with imported fill. All backfilled areas were compacted using a roller or an excavator bucket, then covered with 6 inches of topsoil, seeded and mulch. Where necessary, asphalt was replaced.

9.0 DEVIATIONS FROM THE RAWP

As noted previously, relatively discrete areas of soil (metals) IRM and soil (VOCs) IRM were identified for potential excavation. Initial excavation limits were based on the RI and SRI.

Based on the confirmation samples of the soil (metals) IRM areas (i.e., at DPT8-1 and DPT8-2), the soil excavation was extended approximately two feet past the initial excavation limits, in an attempt to achieve compliance with NYSDEC Part 375 SCOs.

The characterization samples collected from the soil (VOC) IRM were above SCOs. Due to the depth of the excavation with respect to average groundwater elevations, no additional soil was removed, as the soil located within the groundwater zone will be remediated under a separate remedial measure and discussed in the final AAR. Prior to backfilling the soil (VOC) IRM, 270 pounds of Klozur® CR, engineered calcium peroxide, was placed on the bottom of the soil (VOC) IRM excavation area and mixed with the small amount of groundwater that had accumulated within the excavation.

The RAWP included collecting one round of aqueous samples from each of the catch basins following the storm sewer IRM. These samples had not been collected at the time this CCR was submitted, due in part to winter conditions. Per the recommendation of the NYSDEC, these data will be included in the final AAR.

Debris within the catch basins was removed on January 19, 2015. The drummed debris was sampled for TCLP analysis on January 30, 2015 to determine disposal options. Comparing the TCLP data to regulatory hazardous waste thresholds, the debris was determined to be non-hazardous; refer to **Table 9** for a summary of TCLP data and **Appendix G** for the laboratory data report. Upon approval, the non-hazardous debris will be disposed in the Town of Tonawanda Landfill.

Lastly, the SSD system proposed to mitigate vapor concerns identified by sub-slab indoor vapor sampling data collected in 2010 for a limited area in the southwestern corner of the existing Plant 1 building (the boiler room) was not constructed. Prior to the resampling of sub-slab vapor and indoor vapor in the boiler room, identified floor cracks were patched and the foundation perforations were sealed. Data from the subsequent resampling were summarized in a letter report to the NYSDEC dated January 23, 2015. A discussion of the soil vapor intrusion concern in that area will be included in the final AAR.

10.0 REFERENCES

AECOM. January 2015. “Sub-Slab Vapor Evaluation, Former Scott Aviation Facility Area 1, Lancaster New York”.

AECOM. June 2014. “Draft Interim Remedial Measures Action Work Plan, Former Scott Aviation Facility Area 1, Lancaster New York”.

AECOM. October 2013. “Soil Vapor Intrusion Evaluation – Supplemental Soil and Groundwater Data Report”, Former Scott Aviation Facility Area 1, Lancaster New York”.

AECOM. August 2013. “Soil Vapor Intrusion Evaluation”, Former Scott Aviation Facility Area 1, Lancaster New York”.

AECOM. April 2013. “Draft Alternatives Analysis Report, Former Scott Aviation Facility Area 1, Lancaster New York”.

AECOM. April 2012. “Supplemental Remedial Investigation, 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. May 2010. “Addendum to Remedial Investigation/Alternatives Analysis Work Plan, Former Scott Aviation Facility Area 1, Lancaster New York”.

NYSDEC. May 2010. “New York State Department of Environmental Conservation, Division of Environmental Remediation, DER-10 Technical Guidance for Site Investigation and Remediation”.

AECOM. February 2010. “Remedial Investigation/Alternatives Analysis Work Plan, Former Scott Aviation Facility Area 1, Lancaster New York”.

NYSDEC. 2006. Rules and Regulations, 6 NYCRR Subpart 375-6, Remedial Program Soil Cleanup Objectives, dated December 14, 2006.

NYSDEC. May 2004. “Draft Brownfield Cleanup Program Guide”.

NYSDOH. October 2006. “Guidance for Evaluating Soil Vapor Intrusion in the State of New York”.

TABLES

Table 1
Soil Transportation and Disposal Summary
Former Scott Aviation Facility Area 1 BCP Site

Date	Weight Ticket No.	Gross (pounds)	Tare (pounds)	Net (pounds)	Net (tons)	Non-Hazardous Waste Manifest (Waste Tracking Number)
10/2/2014	P103698	70,060	46,260	23,800	11.90	ES-428756
10/2/2014	P103699	71,240	25,800	45,440	22.72	ES-428757
10/2/2014	P103705	63,460	23,800	39,660	19.83	ES-428758
10/2/2014	P103707	70,580	25,800	44,780	22.39	ES-428759
10/2/2014	P103708	64,360	24,100	40,260	20.13	ES-428760
10/2/2014	P103709	64,480	23,800	40,680	20.34	ES-428761
10/2/2014	P103710	69,060	25,800	43,260	21.63	ES-428762
10/2/2014	P103715	65,620	24,100	41,520	20.76	ES-428763
10/2/2014	P103716	65,520	23,800	41,720	20.86	ES-428764
10/2/2014	P103717	73,580	25,800	47,780	23.89	ES-428765
10/2/2014	P103718	66,860	24,100	42,760	21.38	ES-428766
10/2/2014	P103719	29,220	26,760	2,460	1.23	ES-428767
				Total	227.06	

Notes:
Pariso Logistics, Inc. provided non-hazardous soil hauling from the site to the disposal facility.
Non-hazardous waste was transported to Town of Tonawanda Landfill Closure facility.

Table 2a
Storm Sewer Soil Re-Use VOC Results
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.

Note 1 - Total VOCs includes BTEX compounds.

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

Table 2b
Storm Sewer Soil Re-Use SVOC Results
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 2c
Storm Sewer Soil Re-Use Pesticides and PCBs Results
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
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 2d
Storm Sewer Soil Re-use Metals Results
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 3
MW-41B Metals Confirmation Results
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 4
DTP8 Metals Confirmation Results
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Protection of 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 4
DTP8 Metals Confirmation Results
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 5
TCLP Soil Results
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 6a
IRM Re-Use Soil VOC Results
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
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.

Note 1 - Total VOCs includes BTEX compounds.

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

Table 6b
IRM Re-Use Soil SVOC Results
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 6c
IRM Re-Use Soil Pesticides and PCBs Results
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
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 6d
IRM Re-Use Metals Results
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 7
Former IRM Area Soil VOC Results
Former Scott Aviation Facility Area 1 BCP Site

Sample Designation	CAS Number	Unrestricted Use	IRM68-SW-1 (9)		IRM68-EW-1 (9)		IRM68-BOT-1 (10)		IRM68-NW-1 (9)		IRM68-WW-1 (9)	
Laboratory Identification			480-66937-11		480-66937-12		480-66937-14		480-67016-2		480-67016-3	
Date Sampled			9/9/2014		9/9/2014		9/9/2014		9/10/2014		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.

Note 1 - Total VOCs includes BTEX compounds.

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

Table 8a
Import Fill VOC Results
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.

Note 1 - Total VOCs includes BTEX compounds.

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

Table 8b
Import Fill SVOC Results
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 8c
Import Fill Pesticides and PCBs Results
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

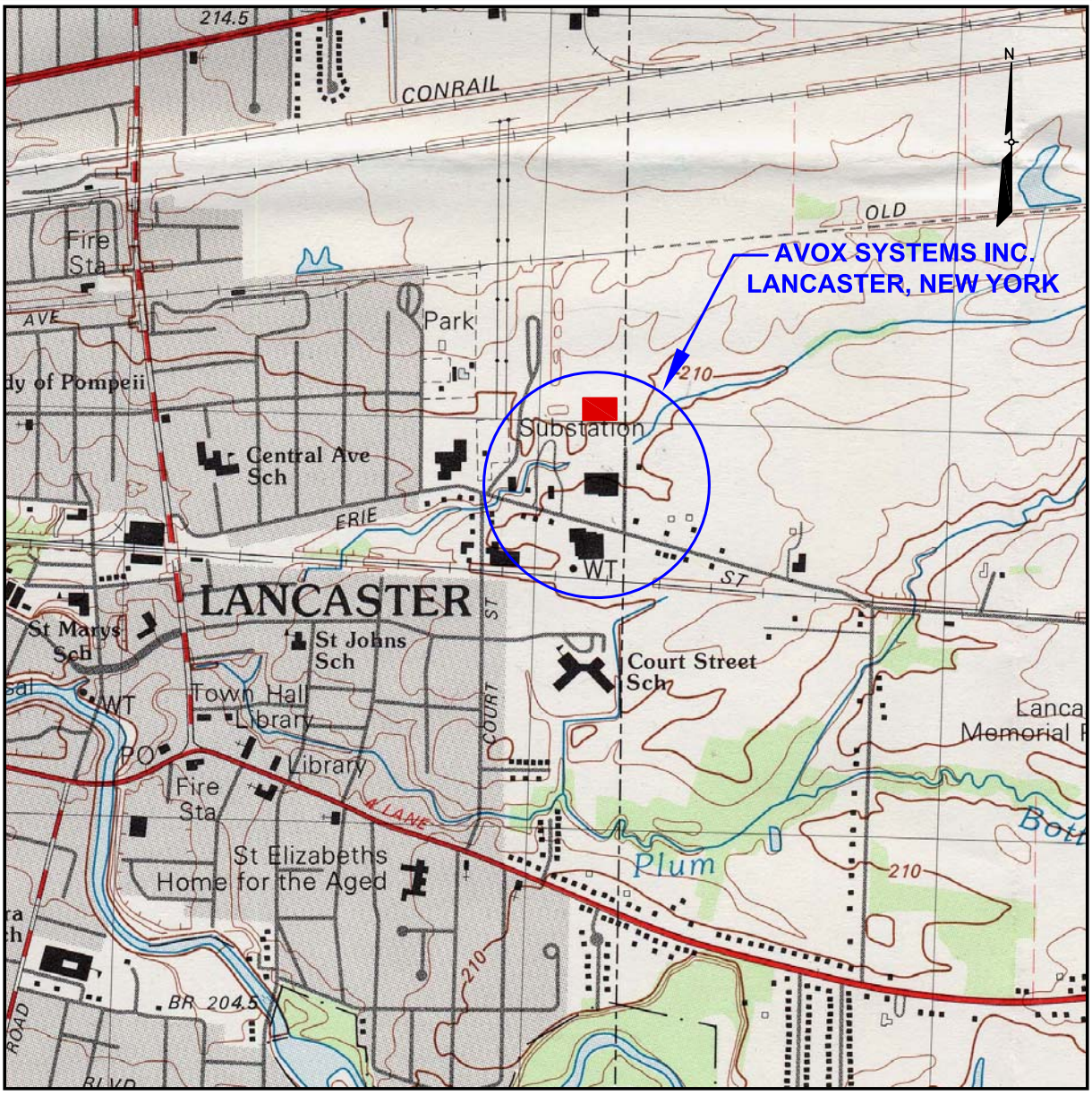
Notes:
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the Unrestricted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

Table 8d
Import Fill Metals Results
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.
Bold value - compound detected at concentration greater than the Unrestricted Use SCO's.
J = The associated numerical value is an estimated quantity.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

FIGURES



SOURCE:
1982 U.S. 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.

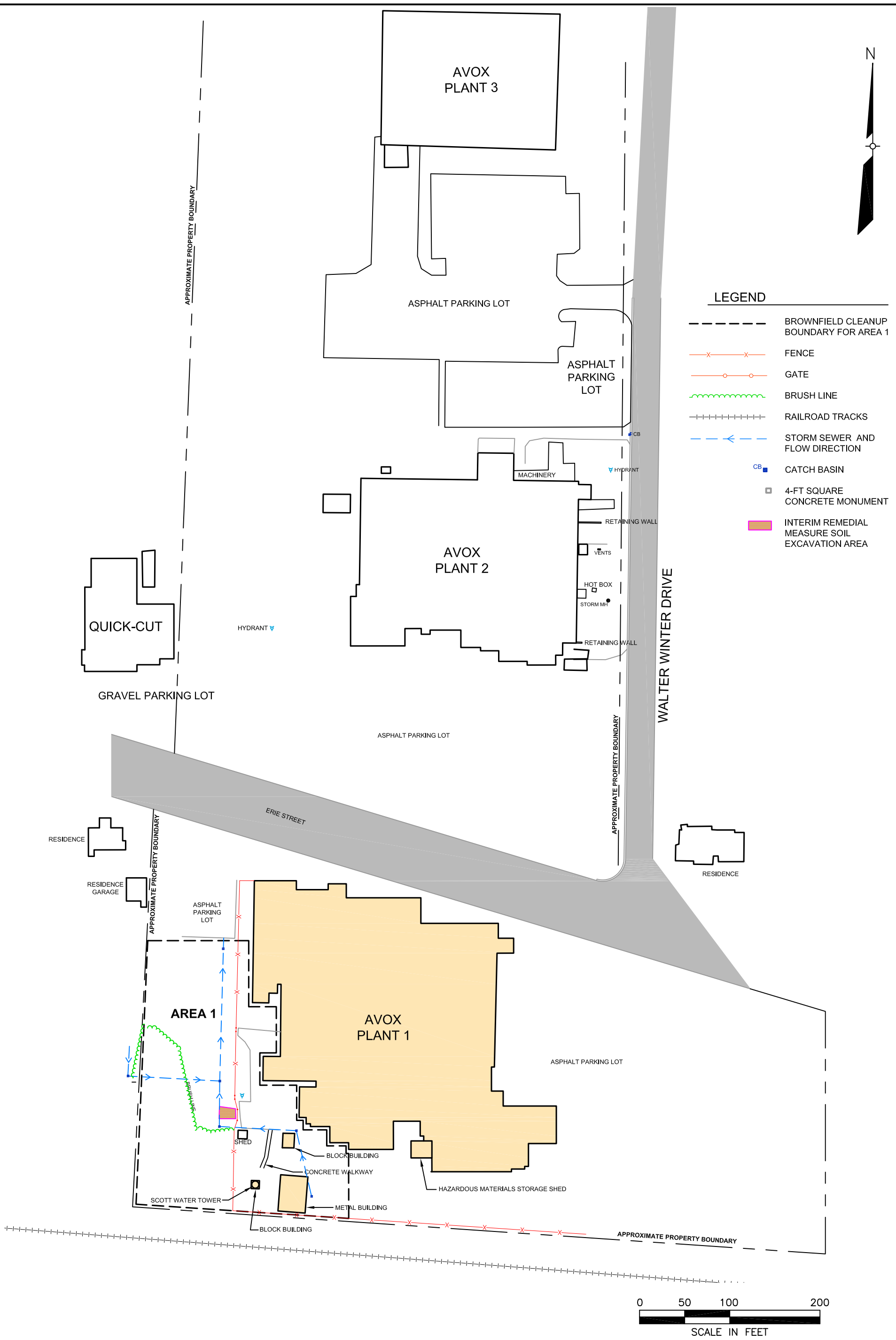
0 1000 2000
SCALE IN FEET

AECOM

FIGURE 1
SITE LOCATION MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

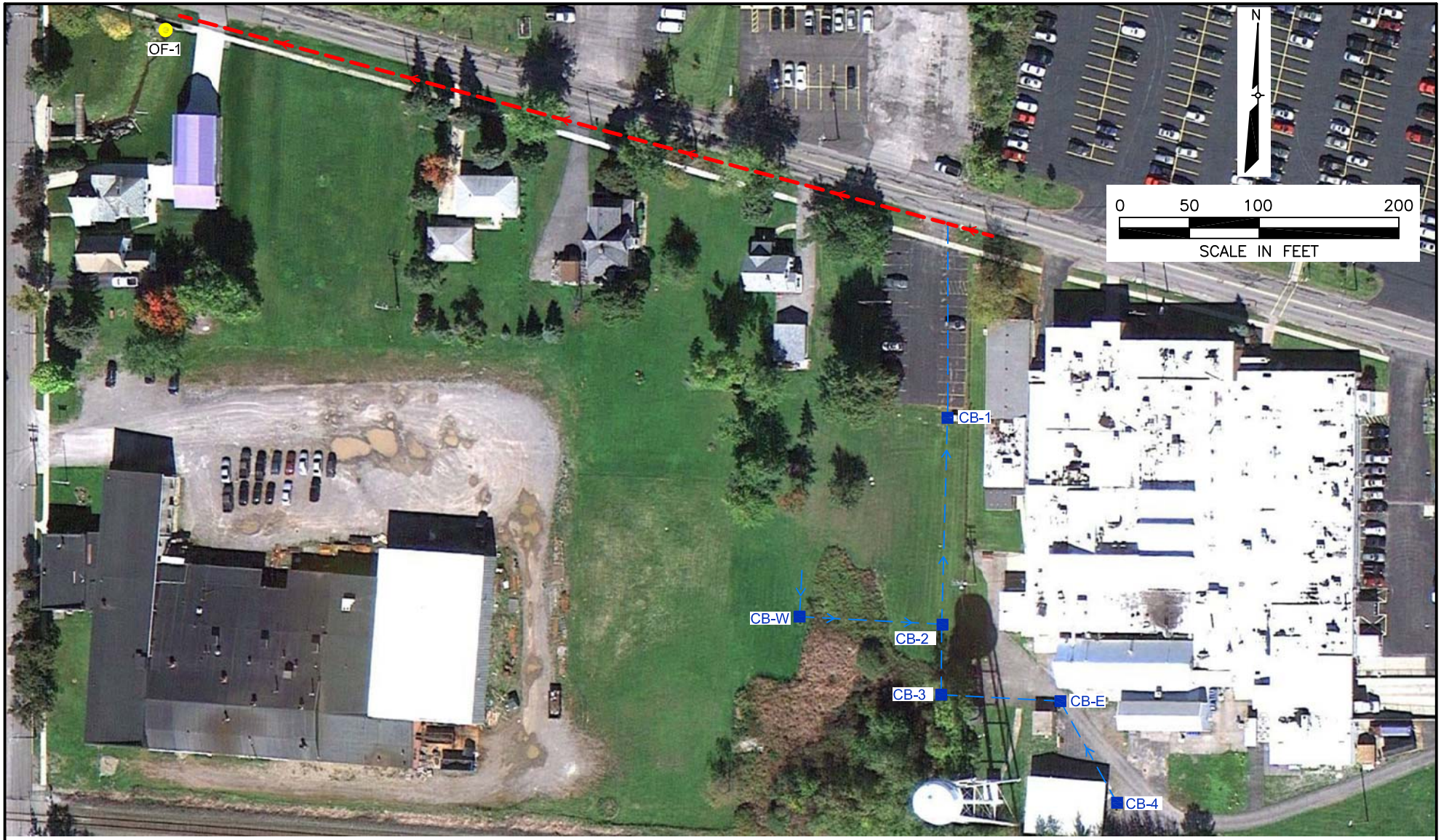
L:\work\60147012\CADD\60147012_063 Site Loc Map.dwg, 2/5/2015 11:06:33 AM, Splawnm



AECOM

FIGURE 2
FACILITY LAYOUT MAP

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK



LEGEND

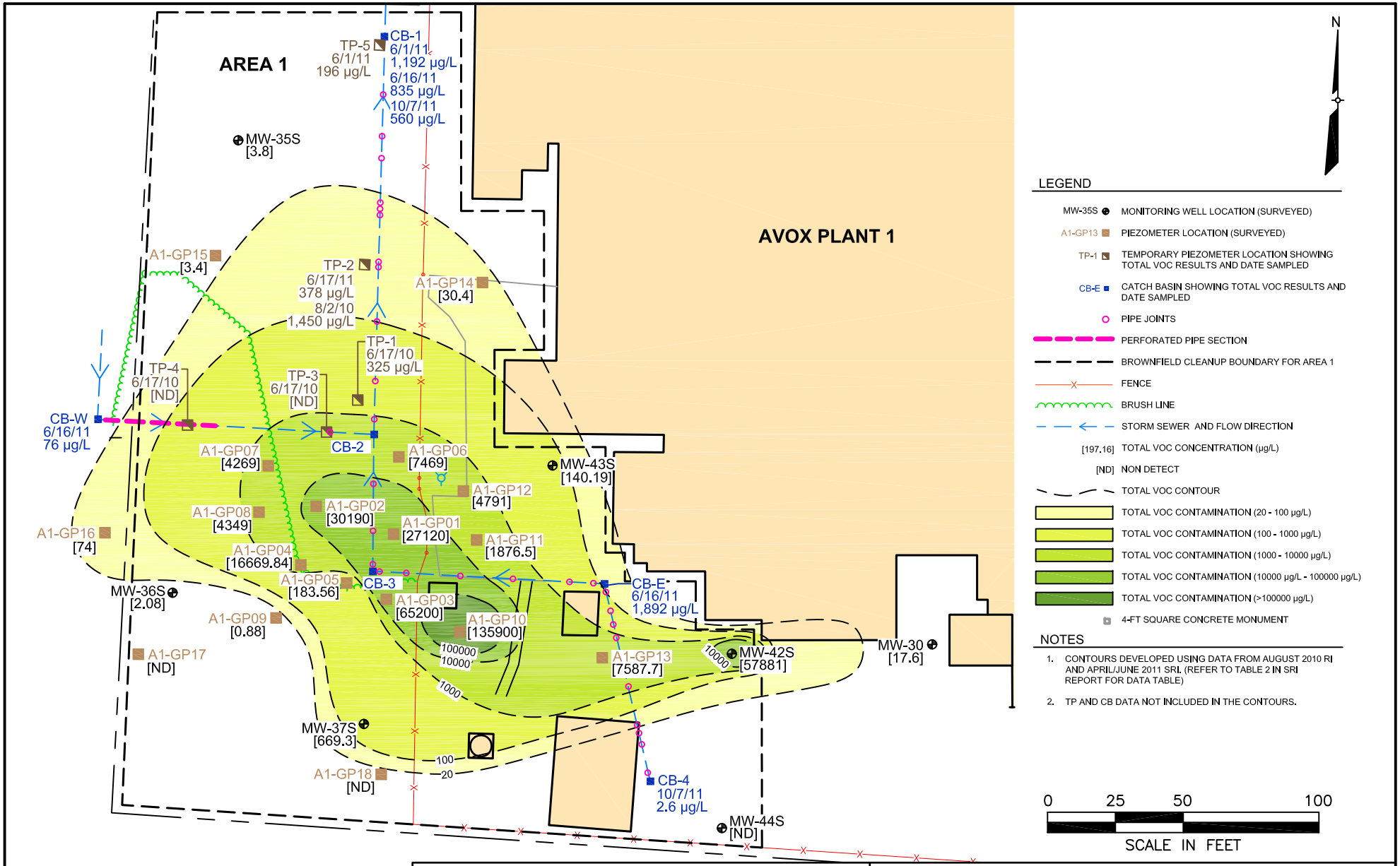
- CB-E ■ CATCH BASIN
- OF-1 ● OUTFALL
- STORM SEWER AND FLOW DIRECTION
- ESTIMATED STORM SEWER LOCATION

AECOM

FIGURE 3
CATCH BASINS, STORM SEWER PIPING, AND OUTFALL LOCATIONS

FORMER SCOTT AVIATION FACILITY BCP SITE
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_107 Catch Basins Storm Water Piping and Outfall Locs.dwg, 2/5/2015 11:07:45 AM, Splawnm

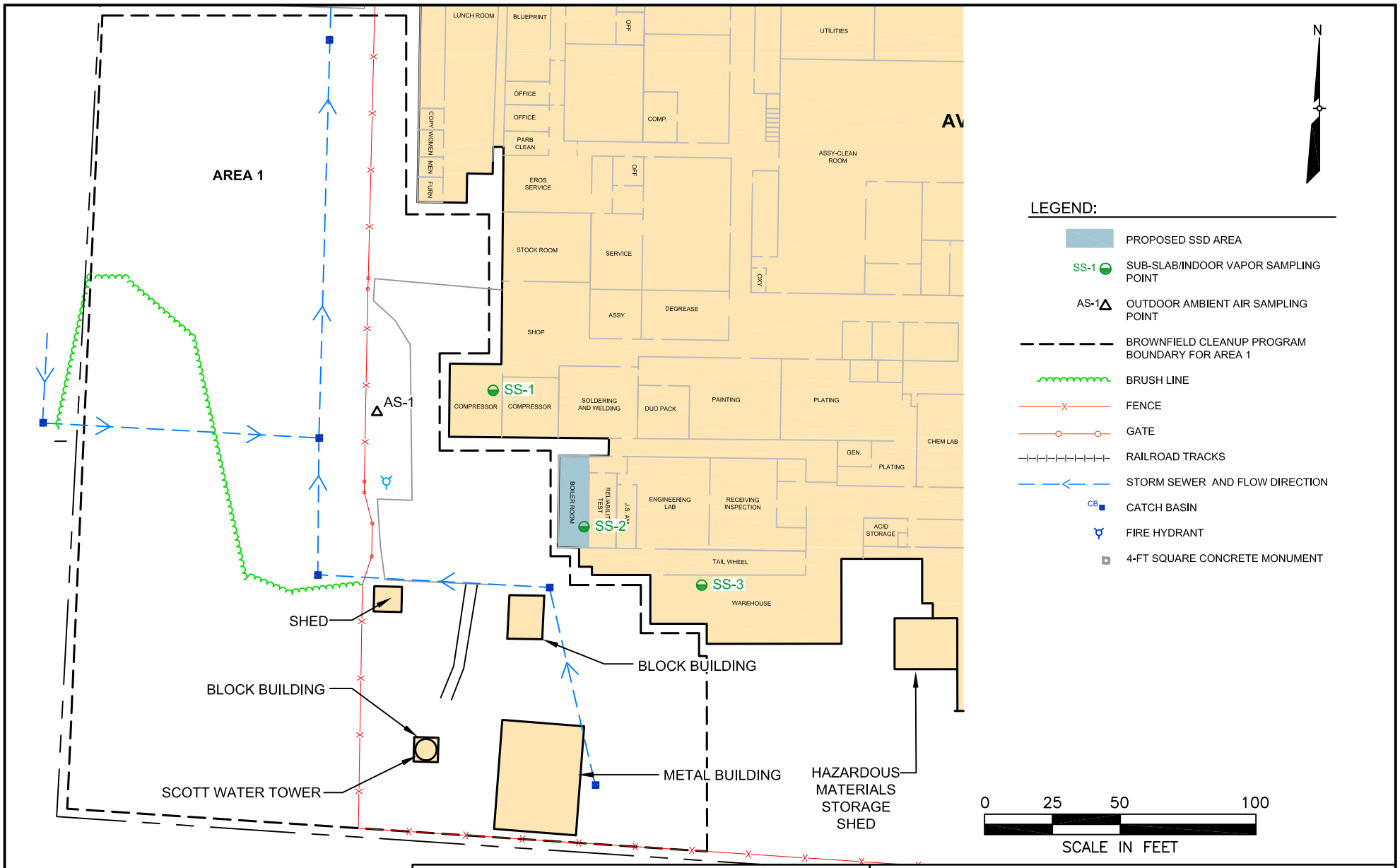


AECOM

FIGURE 4
SHALLOW TVOC PLUME WITH STORM SEWER IRM LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_112 Shallow TVOC Plume w Storm Sewer IRM Locs.dwg, 2/5/2015 11:09:28 AM, Splawnm

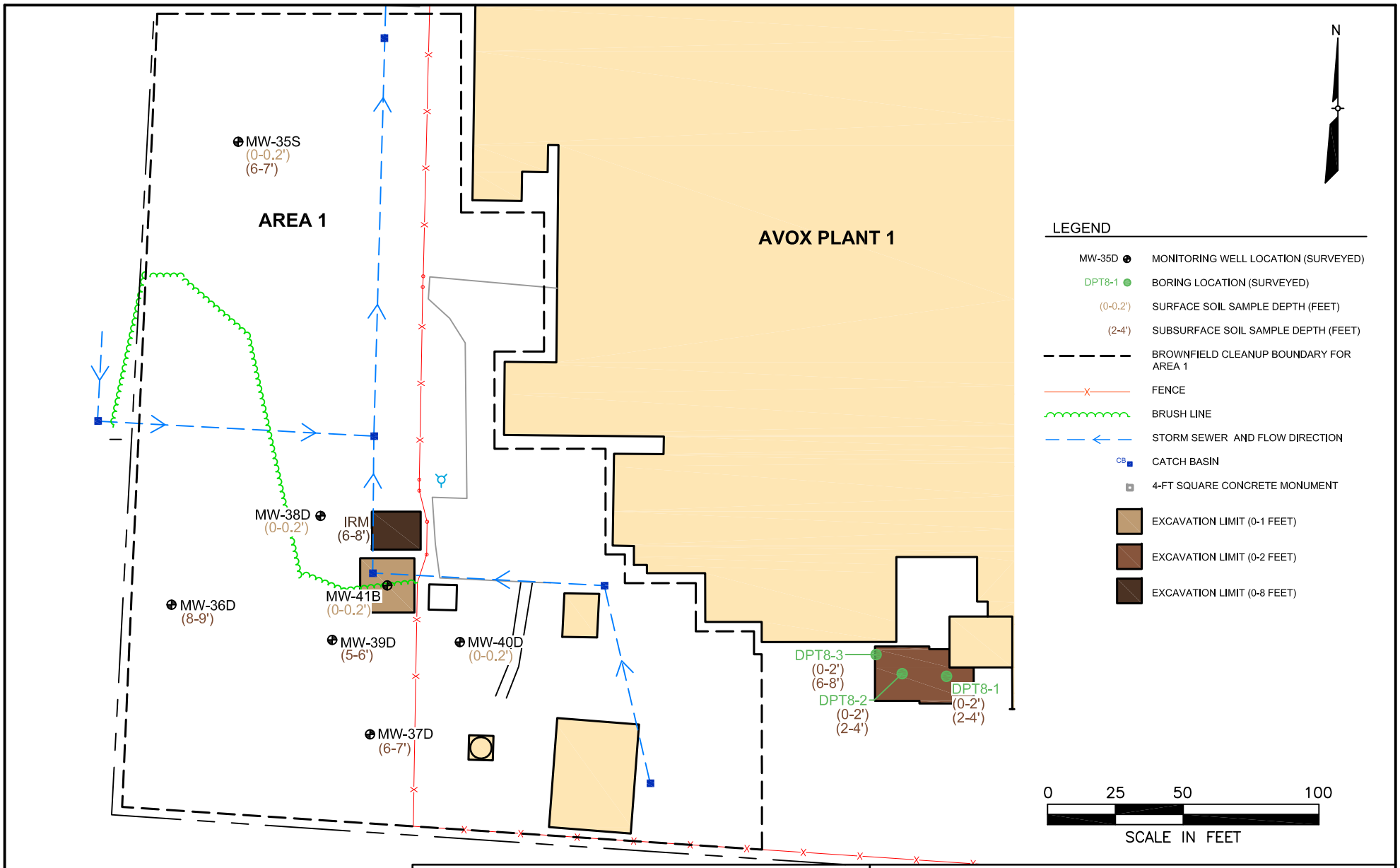


AECOM

FIGURE 5
SUB-SLAB VAPOR AREA OF CONCERN

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_109 Sub-Slab Vapor Area of Concern.dwg, 2/5/2015 11:10:19 AM, Splawnm

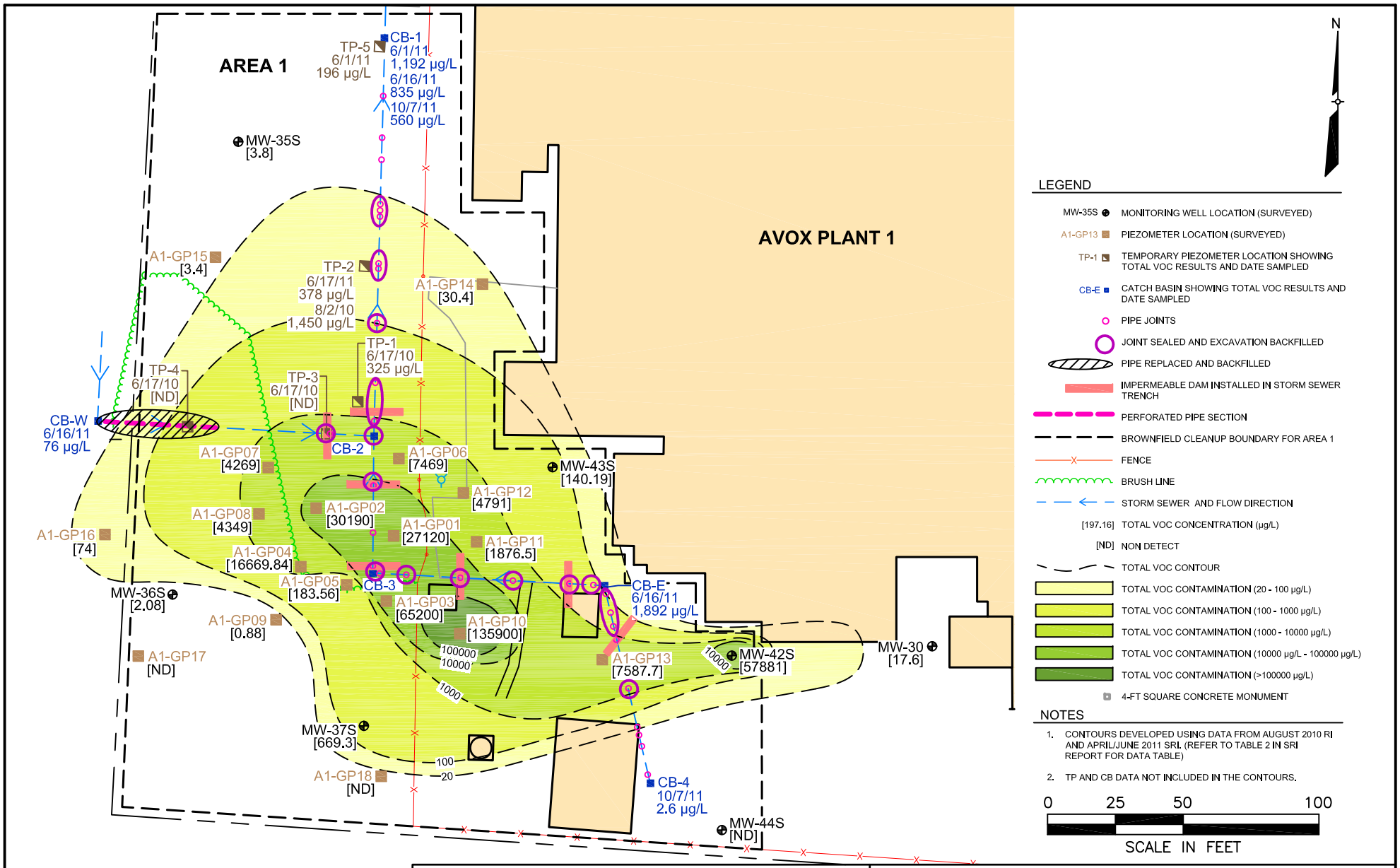


AECOM

FIGURE 6
METALS AND VOC SOIL EXCAVATION IRM LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_110 Metals and VOC Soil Excavation IRM Locs.dwg, 2/5/2015 11:11:06 AM, Splawnm

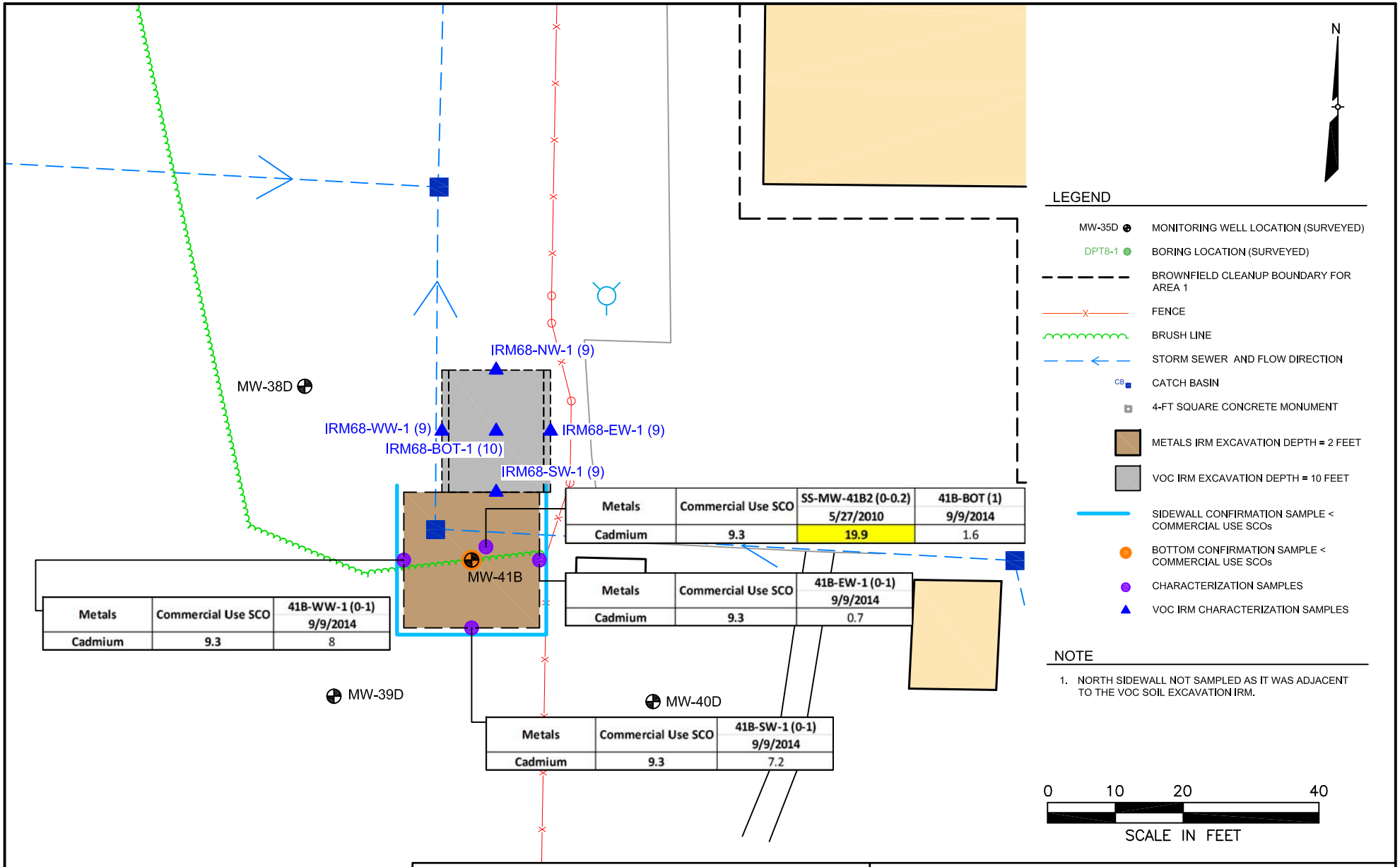


AECOM

FIGURE 7
SHALLOW TVOC PLUME WITH COMPLETED STORM SEWER IRM LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_108 Shallow TVOC Plume w Completed Storm Sewer IRM Locs.dwg, 2/5/2015 11:13:00 AM, Splawnm

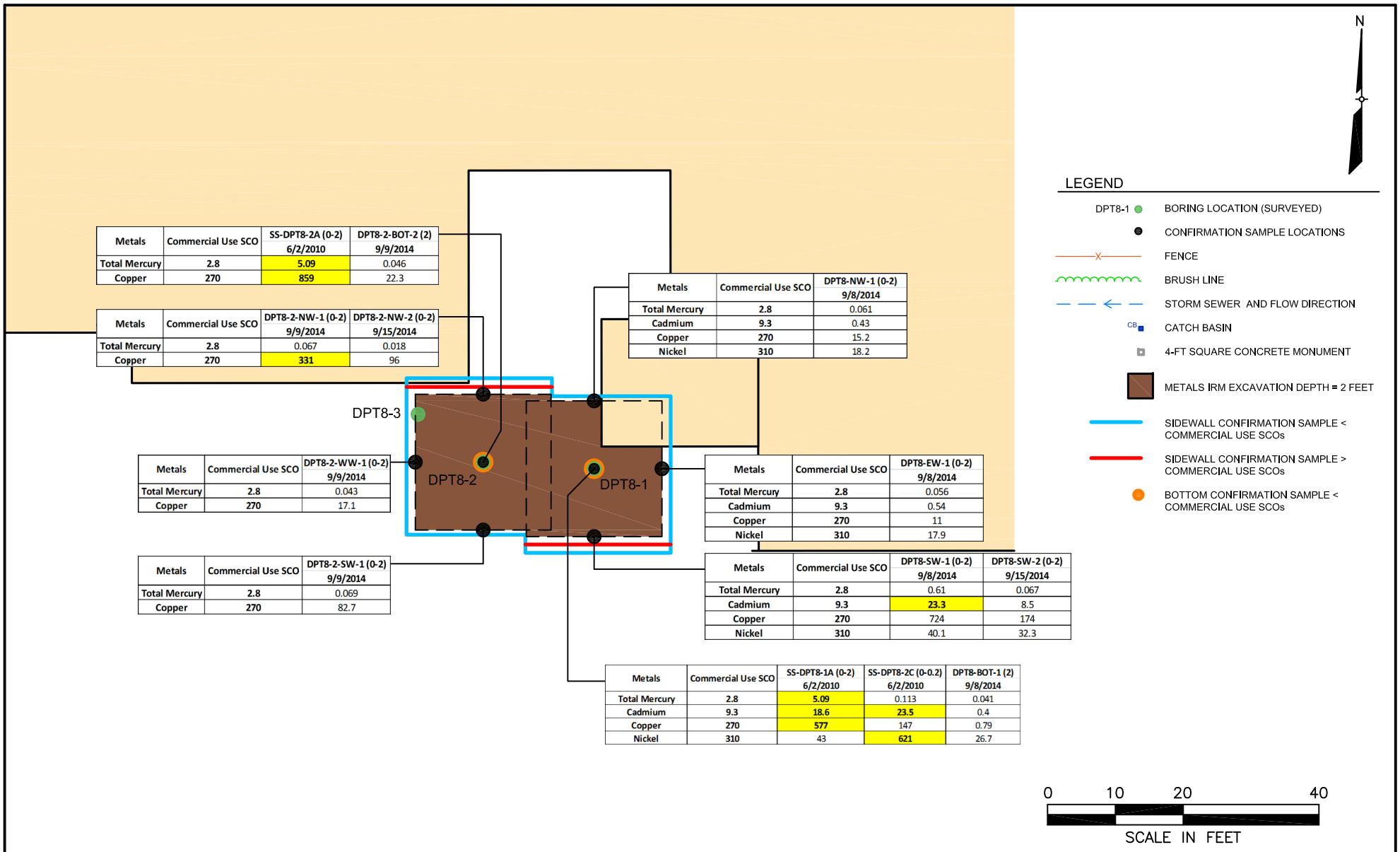


AECOM

FIGURE 8
MW-41B IRM CONFIRMATION LOCATIONS AND RESULTS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_113 MW41B IRM Confirmation Locs and Results_Rev1.dwg, 3/25/2015 9:55:42 AM, Splawnm



Metals	Commercial Use SCO	SS-DPT8-2A (0-2) 6/2/2010	DPT8-2-BOT-2 (2) 9/9/2014
Total Mercury	2.8	5.09	0.046
Copper	270	859	22.3

Metals	Commercial Use SCO	DPT8-2-NW-1 (0-2) 9/9/2014	DPT8-2-NW-2 (0-2) 9/15/2014
Total Mercury	2.8	0.067	0.018
Copper	270	331	96

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

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

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

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

Metals	Commercial Use SCO	DPT8-SW-1 (0-2) 9/8/2014	DPT8-SW-2 (0-2) 9/15/2014
Total Mercury	2.8	0.61	0.067
Cadmium	9.3	23.3	8.5
Copper	270	724	174
Nickel	310	40.1	32.3

Metals	Commercial Use SCO	SS-DPT8-1A (0-2) 6/2/2010	SS-DPT8-2C (0-0.2) 6/2/2010	DPT8-BOT-1 (2) 9/8/2014
Total Mercury	2.8	5.09	0.113	0.041
Cadmium	9.3	18.6	23.5	0.4
Copper	270	577	147	0.79
Nickel	310	43	621	26.7

AECOM

FIGURE 9
DPT-8 IRM CONFIRMATION LOCATIONS AND RESULTS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_114 DPT8 IRM Confirmation Locs and Results_Rev1.dwg, 3/25/2015 9:59:56 AM, Splawnm

APPENDIX A

Sub-Slab Vapor Evaluation Report (January 23, 2015)

AECOM
100 Corporate Parkway, Suite 341
Amherst, NY 14226-1200

716.836.4506 tel
716.834.8785 fax

January 23, 2015

Mr. Glenn May
New York State Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14203-2999

Subject: Sub-Slab Vapor Evaluation - Former Scott Aviation Facility Area 1 BCP Site
NYSDEC Site Code No. C915233, Lancaster, New York

Dear Mr. May,

On behalf of Tyco International (Tyco), AECOM Technical Services, Inc. (AECOM) is pleased to provide you with this letter-report summarizing the results of the recently completed sub-slab vapor evaluation at New York State Department of Environmental Conservation (NYSDEC) Site Code No. C915233, located west of AVOX Systems Inc. (AVOX) Plant 1 at the Former Scott Aviation Facility Brownfield Cleanup Program (Site) in Lancaster, New York. The investigation was completed on December 24, 2014 on AVOX property, in the boiler room of Plant 1. This work was conducted in accordance with AECOM's approved Remedial Investigation/Alternatives Analysis (RI/AA) work plan dated February 2010 following discussions at the NYSDEC October 23, 2014 meeting. This letter-report discusses the project intent, sampling procedures, analytical results, and conclusions of the investigation with a comparison of the 2010 and 2014 data against the New York State Department of Health's (NYSDOH) final "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006), herein referred to as the DOH Guidance.

Project Intent

The intent of this investigation was to re-assess the indoor air conditions in the boiler room following the previous sampling event in 2010 and determining if chlorinated volatile organic compounds (VOCs) are currently at concentrations sufficiently elevated to trigger mitigation activities.

During the scoping activity for installation of a sub-slab depressurization system associated with the Interim Remedial Measures Remedial Action Work Plan dated June 4, 2014, several foundation perforations (drains) were identified behind the boiler and associated machinery that were not noted during the original sampling effort. Also, several cracks in the concrete floor were observed which may have been conduits for sub-slab vapor to enter the boiler room. Prior to the December 24, 2014 sample collection, the floor cracks were patched and the foundation perforations were sealed.

Also, since the 2010 event the AVOX Plant 1 is no longer used for production (i.e., painting and plating activities have terminated).

DOH Guidance field methodology was followed and the guidance tables were used in an interpretive framework for interpreting the analytical data, where applicable.

Sampling Procedures

In accordance with the RI/AA work procedures, one sub-slab vapor sample, one indoor vapor sample, one ambient (outdoor) air sample, and associated quality assurance / quality control (QA/QC) sample were collected on December 24, 2014 from the boiler room building at AVOX Plant 1.

On November 4, 2014, AECOM and NYSDEC inspected the concrete floor of the boiler room and sealed visible floor cracks with concrete calking. In addition, the annulus between a drain line effluent and the associated floor penetration foundation perforations was sealed with expanding foam. Two other foundation perforations (drains) were observed and temporarily plugged with modelling clay just prior to the sampling event. The floor drains appeared to discharge to the bedding gravel beneath the concrete floor slab (refer to **Attachment 1** for a photographic log).

On December 22, 2014, AECOM interviewed AVOX environmental health and safety engineer and completed the NYSDOH Indoor Air Quality Questionnaire and Building Inventory (refer to **Attachment 2**).

The sub-slab vapor point installed during the previous sampling event was inspected and determined not to be compromised. This point was reused in an attempt to minimize variability from data collected during the 2010 sampling event. Refer to the approved Remedial Action Report dated September 1, 2011 for details regarding the installation of the sub-slab vapor point.

On December 23, 2014, prior to sample collection, a new seal consisting of non-toxic modelling clay was placed in the vapor Teflon tubing/floor annulus. A tracer gas (helium) shroud was placed over the sub-sample vapor sample location prior to sampling to ensure the ambient (indoor) air was not being pulled into the canister during sampling. This was accomplished by placing a clean, small plastic shroud over the probe location. An air-tight seal was placed on the ground surface around the edge of the shroud where it contacted the ground. Prior to purging or sampling activities, helium tracer gas was injected into the helium shroud using application methods described in the DOH's Guidance (Section 2.7.5). Prior to collection of the sub-slab vapor sample, the point was purged of approximately three implant volumes (i.e., volume of the sample tube and sand pack). A Dielectric Technologies Model MGD-2002 Multi-Gas Leak Locator and GilAir-3 sample pump were used to purge the implant while simultaneously screening helium concentrations in purged vapor; the purge flow rate did not exceed 0.2 liters per minute. Once the seal was determined to be satisfactory, a MultiRae Model PGM-7240 photoionization detector (PID) was used to screen the sub-slab vapor, indoor air, and the ambient (outdoor) air for VOCs (refer to **Attachment 3** for log sheets).

One indoor air sample was collected in the boiler room with the sub-slab vapor sample at the sample location chosen during the 2010 sampling event. The sample port was located approximately four feet above the floor.

One ambient (outdoor) air sample was collected during the sub-slab and indoor air sampling activities. The ambient (outdoor) air sample was collected at the sample location chosen during the 2010 sampling event, approximately 100 feet upwind from the boiler room and approximately four feet above ground surface.

Sample collection was performed using a six-liter, stainless steel, Summa® canister, equipped with a 24-hour regulator. Sub-slab, indoor, and ambient (outdoor) air samples were collected concurrently; one field duplicate was also collected at the ambient (outdoor) air location for quality assurance purposes. The field geologist recorded the sample identification, canister and regulator

identification, date and time of sample collection, and the sampling method and device on a field log sheet. In addition, the purge volume, sample volume, canister vacuum pre- and post-sampling, and sampler name were recorded. The log sheet is included in **Attachment 3**. Any other pertinent field observations (i.e., odors or readings from field instrumentation) were also noted on the log sheet. The daily weather reports are also included in **Attachment 3**.

Samples were packaged and hand delivered to TestAmerica Laboratories in Amherst, New York under standard chain-of-custody procedures. TestAmerica Laboratories has a current NYSDOH Environmental Laboratory Approval Program certification for the state of New York. All samples were analyzed for VOCs using EPA Method TO-15. A Category B deliverable package was requested for the vapor data and included the following elements: analytical report; quality assurance/quality control summary; chain of custody; method blank; laboratory control samples – control limits; reporting limits; and, surrogate recoveries for gas chromatograph/mass spectrometer analysis with control limits (refer to **Attachment 4** for laboratory summary sheets). No petroleum or chemical odors were noted during sample collection and all PID readings were at or below background (approximately 1 part per million).

Analytical Results

Based on the analytical results from the sub-slab vapor evaluation, ten compounds were detected in the sub-slab sample, four compounds were detected in the indoor air sample, and two compounds were collected from the ambient (outdoor) air sample. There were considerably less compounds detected during the 2014 event compared to the event performed in 2010. Refer to the attached **Table 1** for 2010 and 2014 air results compared to the United States Environmental Protection Agency Building Assessment and Survey Evaluation (BASE) database.

Table 2 matches the seven compounds identified in the 2010 and 2014 samples to Table 3.1 in the DOH Guidance document; two compounds triggering ‘mitigation’ in 2010 were now listed as ‘monitoring’.

Comparing the 2014 trichloroethene (TCE) concentrations of indoor air and sub-slab air to DOH Guidance Soil Vapor / Indoor Air Matrix 1 (note carbon tetrachloride and vinyl chloride were not detected), the recommended action is to “monitor”.

Comparing the 2014 tetrachloroethylene (PCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichlorethene (1,1-DCE), and 1,1,1-trichloroethane (1,1,1-TCA) concentrations of indoor air and sub-slab air to DOH Guidance Soil Vapor / Indoor Air Matrix 2, the recommended action based on the PCE concentration is to ‘monitor’. ‘No further action’ is recommended based on the cis-1,2-DCE, 1,1-DCE and 1,1,1-TCA concentrations. The sub-slab concentration of PCE in 2014 was less than half of what the concentration of PCE was in 2010. Likewise, the concentrations of cis-1,2-DCE, 1,1-DCEand 1,1,1-TCA dropped by an order of magnitude.

The ambient (outdoor) air sample exhibited trace levels of two VOCs. In general, the analytical results from the field duplicate corroborated the concentrations identified in the parent sample (AS-1R) with the addition of two compounds.

The laboratory summary sheets are included as **Attachment 4**. The full analytical report (Category B deliverable package) with QA/QC data is available upon request.

Conclusions

- The 2014 indoor air sample did not detect any chlorinated VOCs listed in the DOH Guidance document.
- The 2014 sub-slab vapor sample detected 1,1,1-TCA, cis-1,2-DCE, 1,1-DCE, PCE, and TCE. According to the DOH 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 sub-slab vapor contaminate into the building. The changes have decreased the concentrations in the indoor air samples and lowered the action level from 'mitigation' to 'monitoring'.

Recommendations

- Based on the 2014 indoor air/sub-slab vapor sampling, no mitigation of the sub-slab vapor is required. Monitoring of the indoor air and sub-slab should be performed if the use or occupancy of the Boiler Room changes.

If you have any questions regarding this submission, please do not hesitate to contact me at (716) 836-4506 ext. 15 or via email.

Yours sincerely,

Dino L. Zack, P.G.
Project Manager
dino.zack@aecom.com

Attachments (Table 1, Table 2; Attachments 1, 2, 3, and 4)

Cc: Gregory Sutton (NYSDEC) – electronic copy
Christopher Doroski (NYSDOH) – electronic copy
Stuart Rixman (Tyco International) – electronic copy
Joseph Janeczek (Tyco International) – electronic copy
Julia Ispentchian (Tyco International) – electronic copy
Jennifer Davide (AVOX Systems Inc.) – electronic copy
AECOM Project File – electronic copy

TABLES

Table 1
Air TO-15 Results
Former Scott Aviation Facility Area 1 BCP Site

Type of Sample	CAS No.	AMBIENT		AMBIENT		AMBIENT		AMBIENT		SUBSLAB		INDOOR		SUBSLAB		INDOOR		75th Percentile (note 1)	90th Percentile (note 2)
Sample ID		AS-1		AS-DUPLICATE		AS-1R		AS-R-DUPLICATE		SS-2-SUBSLAB		SS-2-INDOOR		SS-2R-SUBSLAB		SS-2R-INDOOR			
Laboratory ID		RTF0696-01		RTF0696-06		200-26139-3		200-26139-4		RTF0696-04		RTF0696-05		200-26139-1		200-26139-2			
Sampling Date		6/2/2010		6/2/2010		12/24/2014		12/24/2014		6/2/2010		6/2/2010		12/24/2014		12/24/2014			
Compound (µg/m³)																			
1,1,1-Trichloroethane	71-55-6	-	U	**3.4**	**J**	-	U	-	U	**430**		**2.5**		**43**		-	U	10.8	20.6
1,1,2,2-Tetrachloroethane	79-34-5	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
1,1,2-Trichloroethane	79-00-5	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.4	<1.5
1,1-Dichloroethane	75-34-3	-	U	-	U	-	U	-	U	**73**		-	U	**9.6**		**-**	U	<0.5	<0.7
1,1-Dichloroethene	75-35-4	-	U	**0.83**	**J**	-	U	-	U	**67**		-		**2**		**-**	U	<1.1	<1.4
1,2,4-Trichlorobenzene	120-82-1	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.2	<6.8
1,2,4-Trimethylbenzene	95-63-6	-	U	**1.4**	**J**	-	U	-	U	**180**		**1.2**		**-**	U	**-**	U	5.1	9.5
1,2-Dibromoethane	106-93-4	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.4	<1.5
1,2-Dichlorobenzene	95-50-1	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.0	<1.2
1,2-Dichloroethane	107-06-2	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<0.7	<0.9
1,2-Dichloropropane	78-87-5	-	U	**1.6**	**J**	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.6	<1.6
1,3,5-Trimethylbenzene	108-67-8	-	U	-	U	-	U	-	U	**64**		-	U	**-**	U	**-**	U	<4.6	3.7
1,3-Butadiene	106-99-0	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<2.7	<3.0
1,3-Dichlorobenzene	541-73-1	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.1	<2.4
1,4-Dichlorobenzene	106-46-7	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.4	5.5
2,2,4-trimethylpentane	540-84-1	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
2-Chlorotoluene	95-49-8	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
4-ethyltoluene	622-96-8	-	U	-	U	-	U	-	U	**26**		-	U	**-**	U	**-**	U	<3.1	3.6
Allyl chloride	107-05-1	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
Benzene	71-43-2	-	U	**2.4**	**J**	-	U	-	U	**35**		**2.3**		**-**	U	**0.82**		5.1	9.4
Bromodichloromethane	75-27-4	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
Bromoform	75-25-2	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
Bromomethane	74-83-9	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.1	<1.7
Carbon disulfide	75-15-0	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	2.1	4.2
Carbon tetrachloride	56-23-5	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.1	<1.3
Chlorobenzene	108-90-7	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<0.8	<0.9
Chloroethane	75-00-3	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.0	<1.1
Chloroform	67-66-3	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.2	1.1
Chloromethane	74-87-3	**1.3**		**1.2**		-	U	**1.1**		-	U	**1.3**		**-**	U	**1**		3.1	3.7
cis-1,2-Dichloroethene	156-59-2	-	U	**1.5**	**J**	-	U	-	U	**390**		**1.6**		**85**		**-**	U	<1.2	<1.9
cis-1,3-Dichloropropene	10061-01-5	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<2.0	<2.3
Cyclohexane	110-83-8	-	U	**1.1**	**J**	-	U	-	U	**480**		-	U	**-**	U	**-**	U	NL	NL
Dibromochloromethane	124-48-1	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
Ethylbenzene	100-41-4	-	U	**1.3**	**J**	-	U	-	U	**56**		**1.5**		**-**	U	**-**	U	3.4	5.7
Freon 11 (trichlorofluoromethane)	75-69-4	**1.4**		**1.7**		**1.2**		**1.2**		**24**		**1.6**		**5.1**		**1.1**		6.7	18.1
Freon 113	76-13-1	**2.0**		**2.5**		-	U	-	U	**1300**		**2.8**		**-**	U	**-**	U	NL	NL
Freon 114	76-14-2	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
Freon 12	75-71-8	**3.0**		**4.0**		-	U	-	U	-	U	**3.0**		**-**	U	**-**	U	10.5	16.5
Freon TF	NA	**-**	**-**	**-**	**-**	-	-	-	-	-	-	**-**	**-**	**140**		**-**	U	NL	NL
Heptane	142-82-5	-	U	**1.1**	**J**	-	U	-	U	**200**		**0.98**		**-**	U	**-**	U	NL	NL
Hexachloro-1,3-butadiene	87-68-3	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<2.5	<6.8
Hexane	110-54-3	-	U	**2.4**	**J**	-	U	-	U	**240**		**2.5**		**1.2**		**-**	U	NL	NL
m&p-Xylene	179601-23-1	-	U	**4.3**	**J**	-	U	-	U	**290**		**4.8**		**-**	U	**-**	U	12.2	22.2
Methylene chloride	75-09-2	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	5	10
o-Xylene	95-47-6	-	U	**1.4**	**J**	-	U	-	U	**91**		**1.7**		**-**	U	**-**	U	4.4	7.9
Styrene	100-42-5	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<2.3	1.9
Tetrachloroethylene	127-18-4	-	U	-	U	-	U	**2.9**		**670**		-	U	**220**		**-**	U	5.9	15.9
Toluene	108-88-3	**1.1**	**J**	**11**	**J**	**0.74**		**0.77**		**120**		**9.8**		**-**	U	**0.8**		25.9	43
trans-1,2-Dichloroethene	156-60-5	-	U	-	U	-	U	-	U	**12**		-	U	**2.3**		**-**	U	NL	NL
trans-1,3-Dichloropropene	10061-02-6	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	<1.2	<1.3
Trichloroethene	79-01-6	-	U	**1.5**	**J**	-	U	-	U	**640**		**1.5**		**150**		**-**	U	1.2	4.2
Vinyl Bromide	593-60-02	-	U	-	U	-	U	-	U	-	U	-	U	**-**	U	**-**	U	NL	NL
Vinyl chloride	75-01-4	-	U	-	U	-	U	-	U	-	U	-	U	-	U	-	U	<1.0	<1.9

Notes:
All units in micrograms per cubic meter (µg/m³)
1 - Typical background indoor air values for commercial office buildings, conducted by the US EPA from 1994 to 1996 (Building Assessment and Survey Evaluation (BASE) Database).
2 - Sample AS-DUPLICATE is a duplicate sample of AS-1 and AS-R-DUPLICATE is a duplicate sample of AS-1R.
Bold - Compound detected in a concentration greater than the method reporting limits.
Exceeds BASE Database Indoor Air Values 75th Percentile
Exceeds BASE Database Indoor Air Values 90th Percentile
NL - Not listed - data not available for background concentrations for these compounds.
NA - Not available
U - The compound was analyzed for, but was not detected above the method reporting limit.
J - The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

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

Type of Sample	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	-	U	**3.4**	**J**	-	U	-	U	**430**		**43**		**2.5**		-	U
cis-1,2-Dichloroethene	-	U	**1.5**	**J**	-	U	-	U	**390**		**85**		**1.6**		-	U
Vinyl chloride	-	U	-	U	-	U	-	U	-	U	-	U	-	U	-	U
1,1-Dichloroethene	-	U	**0.83**	**J**	-	U	-	U	**67**		**2**		-	U	-	U
Carbon tetrachloride	-	U	-	U	-	U	-	U	-	U	-	U	-	U	-	U
Tetrachloroethylene	-	U	-	U	-	U	**2.9**		**670**		**220**		-	U	-	U
Trichloroethene	-	U	**1.5**	**J**	-	U	-	U	**640**		**150**		**1.5**		-	U

Notes:

All units in micrograms per cubic meter (µg/m³)

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)

ATTACHMENT 1

Photograph Log

AECOM

REMEDIAL INVESTIGATION PHOTOGRAPH LOG

Client Name: Tyco International **Project No.:** 60155991	**Site Location:** Former Scott Aviation Facility Area - 1 BCP, Lancaster, New York	**NYSDEC Project No.: C915233**

Photo No.	**Date:**
1	4/3/14

Direction Photo Taken:

North

Description:

View of boiler room. Note boiler room (grey metal siding) is a separate building with its own foundation built next to the tan metal former Reliability Test room.

Photo No.	**Date:**
2	4/3/14

Direction Photo Taken:

East

Description:

View of boiler room.

Photo No. 3	Date: 12/23/14
Direction Photo Taken: North	
Description: View of boiler room.	

Photo No. 4	Date: 12/23/14
Direction Photo Taken: Southeast	
Description: View of boiler room.	

Photo No. 5	Date: 12/23/14
Direction Photo Taken: Northeast	
Description: View of boiler room.	

Photo No. 6	Date: 12/23/14
Direction Photo Taken: West	
Description: View of thermometer displaying average temperature inside the boiler room.	

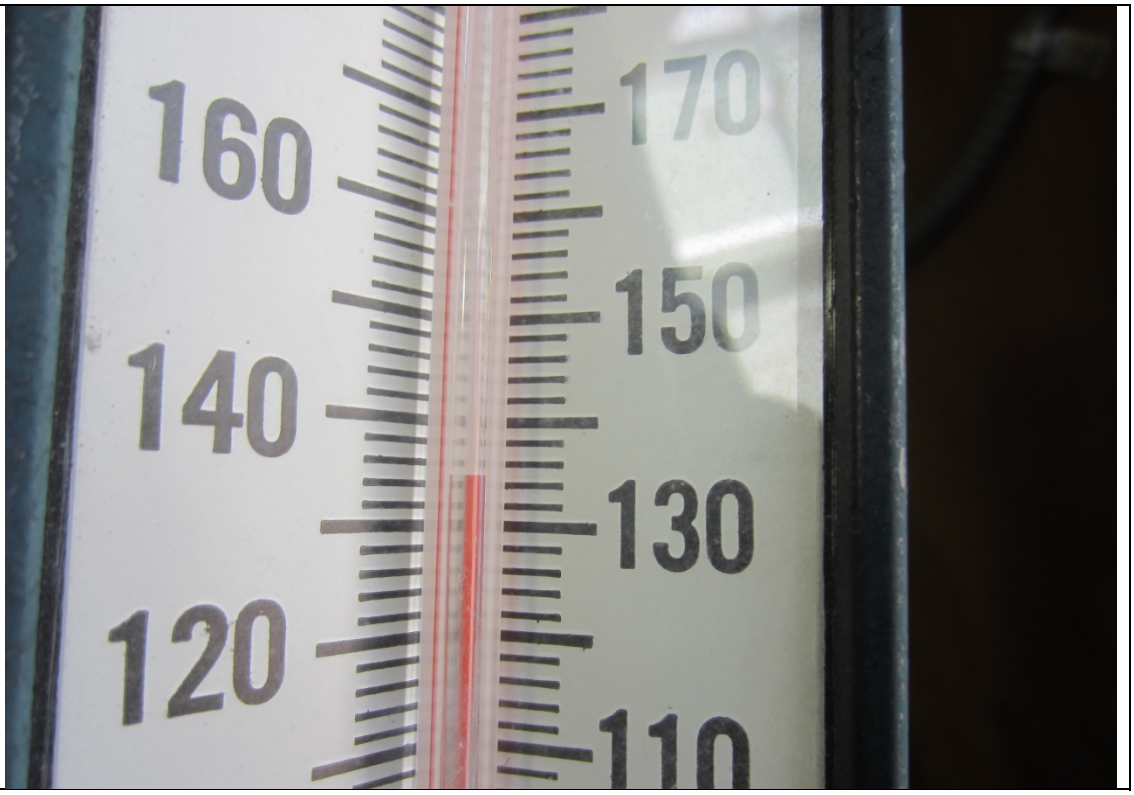


Photo No. 7	Date: 11/4/14
Direction Photo Taken: East	
Description: View of floor perforation (drain) prior to sealing.	

Photo No. 8	Date: 12/23/14
Direction Photo Taken: South	
Description: View of floor perforation (drain) after sealing.	

Photo No. 9	Date: 11/4/14
Direction Photo Taken: West	
Description: Example of floor crack and construction joints.	

Photo No. 10	Date: 11/4/14
Direction Photo Taken: North	
Description: Example of saw cut.	

Photo No. 11	Date: 12/23/14
Direction Photo Taken: North	
Description: View of sealed floor cracks and saw cuts. Note the floor cracks/cuts were sealed on 11/4/14.	

Photo No. 12	Date: 12/23/14
Direction Photo Taken: South	
Description: View of sealed floor cracks and saw cuts. Note the floor cracks/cuts were sealed on 11/4/14.	

Photo No. 13	Date: 11/4/14
Direction Photo Taken: East	
Description: View of floor perforation (drain) prior to sealing.	

Photo No. 14	Date: 12/23/14
Direction Photo Taken: East	
Description: View of floor perforation (drain) sealed with modelling clay on 12/24/15.	

Photo No. 15	Date: 11/4/14
Direction Photo Taken: East	
Description: View of floor perforation (drain) prior to sealing.	

Photo No. 16	Date: 12/23/14
Direction Photo Taken: West	
Description: View of floor perforation (drain) sealed with modelling clay on 12/24/15.	

Photo No. 17	Date: 12/23/14
Direction Photo Taken: East	
Description: View of sub-slab vapor implant seal testing.	

Photo No. 18	Date: 12/23/14
Direction Photo Taken: East	
Description: View of sub-slab and indoor air Summa canisters.	

Photo No. 19	Date: 12/23/14	
Direction Photo Taken: West		
Description: View of ambient air Summa canisters (duplicate sample being collected at this location). Note completed soil IRM restoration on west side of perimeter fence.		

AECOM

ATTACHMENT 2

NYSDOH Indoor Air Quality Questionnaire and Building Inventory

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Dino Zack Sampling Date/Time: 12-23-14/12:40hrs to 12-24-14/12:40hrs

Preparer's Affiliation: AECOM Technical Services, Inc. Phone No: 716-836-4506

Purpose of Investigation: To evaluate possible changes in indoor air quality of boiler room since 2010 sampling event as a result of patching floor cracks and sealing floor penetrations (i.e., floor drains into sub-slab). This questionnaire is completed for Plant 1 but only the boiler room (stand-alone building) was sampled during this event.

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Davide First Name: Jennifer

Address: 225 Erie Street, Lancaster, NY

County: Erie

Home Phone: NA Office Phone: (716) 686-1686

Number of Occupants/persons at this location: Approximately 370 people work at this three-plant facility (approximately 30 work at Plant 1)

Age of Occupants: Of working age.

2. OWNER OR LANDLORD: (Check if same as occupant (YES))

Interviewed: Y / N

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
(Industrial)	Church	Other:

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: Non-residential

If multiple units, how many? NA

If the property is commercial, type? Yes

Business Type(s): The overall facility was used as a manufacturing, development, testing, and distribution facility for aircraft and military supplied-air systems.

Does it include residences (i.e., multi-use)? Y / N If yes, how many? NA

Other characteristics:

Number of floors: 2 Building age: 1930's, but has many additions over the years

Is the building insulated? Y / N How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow pattern and qualitatively describe:

Airflow between floors:
There was only a ground floor in the sampling area.

Airflow near source:
There is no isolated, specific source area. The smoke generally gently floated upwards in sampling area.

Outdoor air infiltration:
There was no detectable air infiltration into the boiler room as the doors and associated louvers were closed (note this is a non-insulated building).

Infiltration into air ducts: No air ducts were observed.

\

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

-There was no basement in the sampling areas.

a. Above grade construction: wood frame concrete stone brick (other: Corrugated Metal)

b. Basement type: full crawlspace slab (other: No basement is present)

c. Basement floor: concrete dirt stone (other: No basement is present)

d. Basement floor: uncovered covered covered with: NA

e. Concrete floor: unsealed (sealed) sealed with:

f. Foundation walls: poured block stone other: NA

g. Foundation walls: unsealed sealed sealed with: NA

h. The basement is: wet damp dry moldy: NA

i. The basement is: finished unfinished partly finished: NA

j. Sump present? Y / (N)

k. Water in sump? Y / N / (not applicable)

Basement/Lowest level depth below grade: NA (feet)

Identify potential soil vapor entry points and approximate size. (e.g., cracks, utility ports, drains)

Floor cracks were sealed and floor penetrations (drains) were covered.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood Stove	Outdoor wood boiler	(Other: only heat source is boiler)

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Electric

Boiler/furnace located in: Basement Outdoor Main Floor (Other: stand-alone building)

Air conditioning: Central Air Window units Open Windows (None)

Are there air distribution ducts present? Y / (N)

Describe the supply and air return ductwork, and its condition where visible, including whether There is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram,

NA

7. OCCUPANCY

Is basement /lowest level occupied? Full-time (Occasionally) Seldom Almost Never

Level **General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**

Basement: Offices - The area where offices are located in the basement is far from where the samples were taken.

1st Floor: Offices, production facilities and storage

2nd Floor: Offices

3rd Floor: NA

4th Floor: NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage? (e.g., lawnmower, atv, car) Y / (N) / NA

d. Has the building ever had a fire? Y / (N) When?

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?

g. Is there smoking in the building? Y / (N) How frequently?

h. Have cleaning products been used recently? Y (/ N) When & Type?

i. Have cosmetic products been used recently? Y / (N) When & Type?

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When?

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When?

l. Have air fresheners been used recently? Y / (N) When & Type?

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented?

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented?

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type?

Are there odors in the building? Y / (N)

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used?

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation:
Is the system active or passive? Active / Passive - NA

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other:
Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other:

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: Relocation is not recommended

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel - (**NA**)

c. Responsibility for costs associated with reimbursement explained? Y / N - (NA)

d. Relocation package provided and explained to residents? Y / N - (NA)

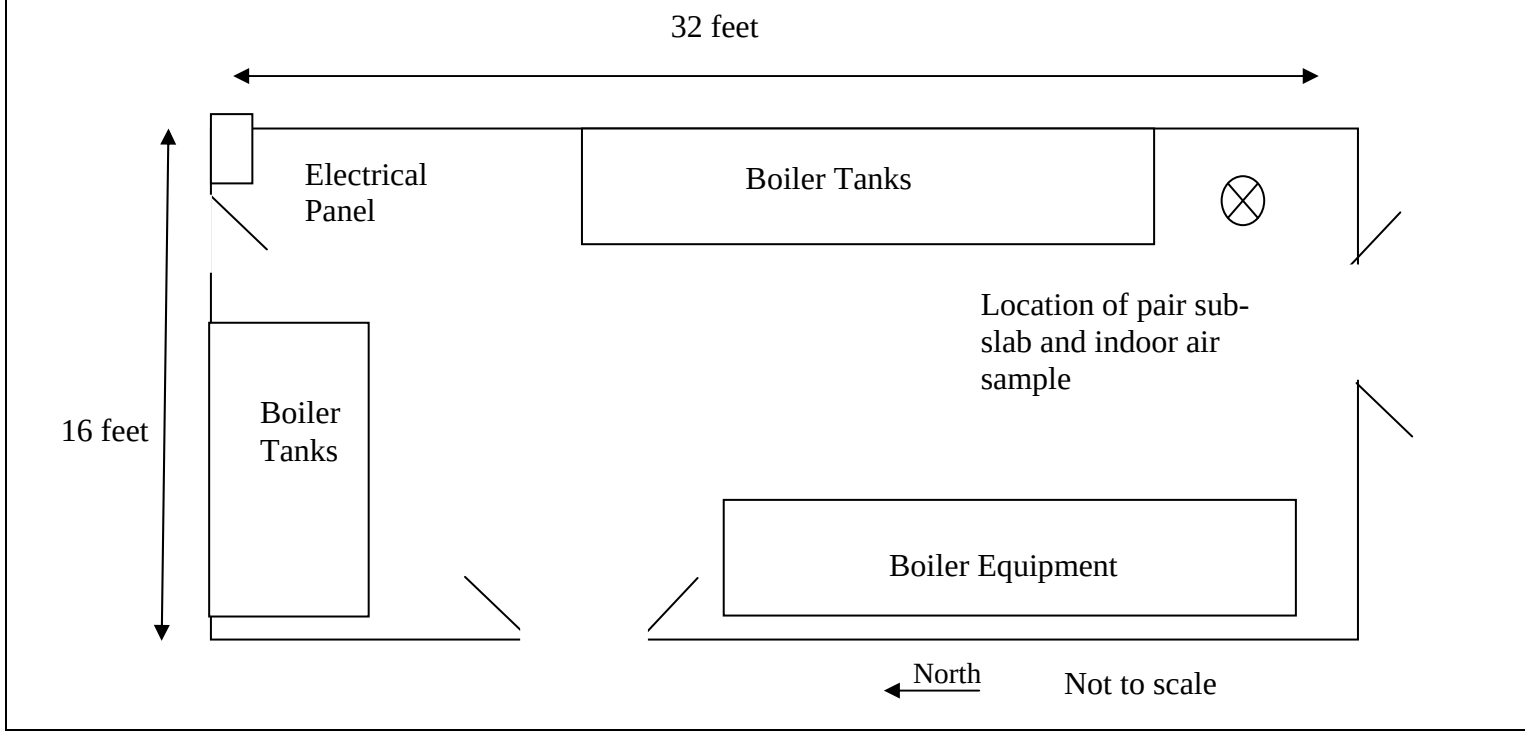
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoo air pollution sources, and PID meter readings. If the building does not have a basement, please note.

Basement:

No basement

First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being samples. If applicable, provide information on spill locations, potential air contamination sources (industrial, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s), and PID meter readings.

Also indicate compass direction, wind direction, and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

Refer to attached figure

Section 12 – Outdoor Plot

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini Rea 3000 ppb Rea

No products containing VOCs were observed in the locker room area.

List specific products found in the residence that have the potential to affect indoor air quality

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Readings (units)	Photo** Y/N
Boiler Room	Formula 1231	55 gallon	Undamaged plastic drum	Caustic Potash (CAS 1310-58-33) Sodium Nitrite (CAS 7632-00-0)	ND	Y

*Describe the conditions of the product containers as **Unopened (UO),** or **Deteriorated (D)**

Photographs of the **front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredients labels must be legible.

ATTACHMENT 3

Vapor Sampling Log Sheet

Soil Vapor Sampling Log Sheet
Indoor Air Sample ID: SS-2R-Indoor
Sub-slab Vapor Sample ID: SS-2R-Subslab
Ambient Air Sample ID: AS-1R

Client: Tyco International
Project Name: Former Scott Aviation Facility Area 1 BCP
Location: Lancaster, New York
Date: 12-23-14 to 12-24-14
Sampler: Dino Zack, P.G.

Indoor Air Sample ID: SS-2R- Indoor
Location: Boiler Room
6-Liter Summa Canister Number: 3421
Flow Controller Number: 4996
Starting Time/Date: 12:40/12-23-14 **Starting Pressure**: -30.2
Finish Time/Date: 12:40/12-24-14 **Final Pressure**: -9.0
Chemical Inventory: Refer to Section 13 of the attached NYSDOH Indoor Air Quality Questionnaire and Building Inventory.

Comments: PID readings near sample were 0-1 ppm. Floor perforations (cracks and drains) were sealed prior to sampling. Doors and door louvers were closed and a sign was placed on the door to indicate sampling was in progress.

Sub-slab Sample ID: SS-2R-Subslab
6-Liter Summa Canister Number: 4548
Flow Controller Number: 3986
Core Diameter: ½ inch
Floor Thickness: 6.5 inches
Starting Time/Date: 12:40/12-23-14 **Starting Pressure**: -30.1
Finish Time/Date: 12:40/12-24-14 **Final Pressure**: -6.0

Comments: PID measurement in core through the floor was 0-1 ppm before sampling. Purged 3 tubing-volumes prior to sampling.

Ambient Sample ID: AS-1R
6-Liter Summa Canister Number: 3632
Flow Controller Number: 4578
Starting Time/Date: 12:40/12-23-14 **Starting Pressure**: -29.7
Finish Time/Date: 12:40/12-24-14 **Final Pressure**: -4.0

Comments: PID readings near sample were 0-1 ppm. Duplicate sample AS-Duplicate was collected at this location.

General Weather Conditions: Wind from the south to south southeast at an average of 2.7 mph, gusting up to 18 mph. Average temperature was 48 degrees F. Barometric pressure varied between 30.and 29.8 in of Hg. There was no precipitation during sampling.

Weather History for Lancaster, NY

Summary
23-Dec-14

	High	Low	Average
Temperature	**52.8** °F	**37.9** °F	**45.3** °F
Dew Point	**46** °F	**32.2** °F	**41.3** °F
Humidity	**90%**	**73%**	**81%**
Precipitation	**0** in	**--**	**--**
	High	Low	Average
Wind Speed	**5** mph	**--**	**1.2** mph
Wind Gust	**18** mph	**--**	**--**
Wind Direction	**--**	**--**	**SSE**
Pressure	**30.06** in	**29.87** in	**--**

Summary
24-Dec-14

	High	Low	Average
Temperature	**60.9** °F	**44.2** °F	**52.6** °F
Dew Point	**53** °F	**41.5** °F	**49.4** °F
Humidity	**92%**	**74%**	**83%**
Precipitation	**0.28** in	**--**	**--**
	High	Low	Average
Wind Speed	**15** mph	**--**	**4.3** mph
Wind Gust	**31** mph	**--**	**--**
Wind Direction	**--**	**--**	**South**
Pressure	**29.87** in	**29.24** in	**--**

http://www.wunderground.com/personal-weather-station/dashboard?ID=KNYLANCA3#history/s20141224/e2

20141224/mdaily

ATTACHMENT 4

Analytical Laboratory Summary Sheets
(Full data reports available upon request)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

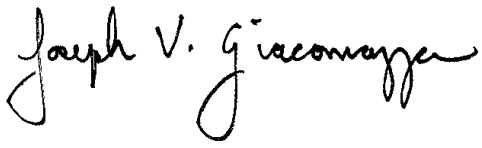
ANALYTICAL REPORT

Job Number: 200-26139-1

Job Description: Scott Aviation site

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, NY 14226

Attention: Mr. Dino Zack



Approved for release.
Joe V Giacomazza
Project Management Assistant II
1/7/2015 2:12 PM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
brian.fischer@testamericainc.com
01/07/2015

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Sample Summary 5

Executive Summary 6

Method Summary 8

Method / Analyst Summary 9

Sample Datasheets 10

QC Data Summary 22

Data Qualifiers 28

QC Association Summary 29

Lab Chronicle 30

Organic Sample Data 32

Air - GC/MS VOA 32

Method TO15 32

Method TO15 QC Summary 33

Method TO15 Sample Data 40

Standards Data 103

Method TO15 ICAL Data 103

Method TO15 CCAL Data 191

Raw QC Data 205

Method TO15 Tune Data 205

Method TO15 Blank Data 211

Method TO15 LCS/LCSD Data 219

Method TO15 Run Logs 225

Method TO15 Prep Data 227

Table of Contents

Pre-shipment Certification 228

LCS Data 229

Blank Data 231

Tune Data 239

IS/RT Data 241

Clean Canister Data 243

ICAL Data 250

ICV/CCV Data 260

Run Logs 266

Shipping and Receiving Documents 268

Client Chain of Custody 269

Sample Receipt Checklist 271

SAMPLE SUMMARY

Client: AECOM, Inc. Job Number: 200-26139-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-26139-1	SS-2R-SUBSLAB	Air	12/24/2014 1240	12/31/2014 0845
200-26139-2	SS-2R-INDOOR	Air	12/24/2014 1240	12/31/2014 0845
200-26139-3	AS-1R	Air	12/24/2014 1240	12/31/2014 0845
200-26139-4FD	AS-DUPLICATE	Air	12/24/2014 1240	12/31/2014 0845

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc. Job Number: 200-26139-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-26139-1	**SS-2R-SUBSLAB**					
1,1,1-Trichloroethane		7.9		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		43		1.1	ug/m3	TO-15
1,1-Dichloroethane		2.4		0.20	ppb v/v	TO-15
1,1-Dichloroethane		9.6		0.81	ug/m3	TO-15
1,1-Dichloroethene		0.50		0.20	ppb v/v	TO-15
1,1-Dichloroethene		2.0		0.79	ug/m3	TO-15
1,2-Dichloroethene, Total		22		0.20	ppb v/v	TO-15
1,2-Dichloroethene, Total		86		0.79	ug/m3	TO-15
cis-1,2-Dichloroethene		21		0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		85		0.79	ug/m3	TO-15
Freon TF		18		0.20	ppb v/v	TO-15
Freon TF		140		1.5	ug/m3	TO-15
n-Hexane		0.33		0.20	ppb v/v	TO-15
n-Hexane		1.2		0.70	ug/m3	TO-15
Tetrachloroethene		33		0.20	ppb v/v	TO-15
Tetrachloroethene		220		1.4	ug/m3	TO-15
trans-1,2-Dichloroethene		0.58		0.20	ppb v/v	TO-15
trans-1,2-Dichloroethene		2.3		0.79	ug/m3	TO-15
Trichloroethene		27		0.20	ppb v/v	TO-15
Trichloroethene		150		1.1	ug/m3	TO-15
Trichlorofluoromethane		0.90		0.20	ppb v/v	TO-15
Trichlorofluoromethane		5.1		1.1	ug/m3	TO-15
200-26139-2	**SS-2R-INDOOR**					
Benzene		0.26		0.20	ppb v/v	TO-15
Benzene		0.82		0.64	ug/m3	TO-15
Chloromethane		0.50		0.50	ppb v/v	TO-15
Chloromethane		1.0		1.0	ug/m3	TO-15
Toluene		0.21		0.20	ppb v/v	TO-15
Toluene		0.80		0.75	ug/m3	TO-15
Trichlorofluoromethane		0.20		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.1		1.1	ug/m3	TO-15
200-26139-3	**AS-1R**					
Toluene		0.20		0.20	ppb v/v	TO-15
Toluene		0.74		0.75	ug/m3	TO-15
Trichlorofluoromethane		0.21		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc. Job Number: 200-26139-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-26139-4FD	**AS-DUPLICATE**					
Chloromethane		0.54		0.50	ppb v/v	TO-15
Chloromethane		1.1		1.0	ug/m3	TO-15
Methyl Ethyl Ketone		0.58		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		1.7		1.5	ug/m3	TO-15
Tetrachloroethene		0.43		0.20	ppb v/v	TO-15
Tetrachloroethene		2.9		1.4	ug/m3	TO-15
Toluene		0.20		0.20	ppb v/v	TO-15
Toluene		0.77		0.75	ug/m3	TO-15
Trichlorofluoromethane		0.22		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.2		1.1	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc. Job Number: 200-26139-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **SS-2R-SUBSLAB**

Lab Sample ID: 200-26139-1 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1419			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1419			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	7.9		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
1,1-Dichloroethane	2.4		0.20	0.20
1,1-Dichloroethene	0.50		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
1,2,4-Trimethylbenzene	ND		0.20	0.20
1,2-Dibromoethane	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
1,2-Dichloroethene, Total	22		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
1,3,5-Trimethylbenzene	ND		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
2,2,4-Trimethylpentane	ND		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
3-Chloropropene	ND		0.50	0.50
4-Ethyltoluene	ND		0.20	0.20
Acetone	ND		5.0	5.0
Benzene	ND		0.20	0.20
Bromodichloromethane	ND		0.20	0.20
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Bromoform	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Carbon disulfide	ND		0.50	0.50
Carbon tetrachloride	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Chloroethane	ND		0.50	0.50
Chloroform	ND		0.20	0.20
Chloromethane	ND		0.50	0.50
cis-1,2-Dichloroethene	21		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
Cyclohexane	ND		0.20	0.20
Dibromochloromethane	ND		0.20	0.20
Dichlorodifluoromethane	ND		0.50	0.50
Ethylbenzene	ND		0.20	0.20
Freon TF	18		0.20	0.20
Hexachlorobutadiene	ND		0.20	0.20
Isopropyl alcohol	ND		5.0	5.0
m,p-Xylene	ND		0.50	0.50
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Methyl Ethyl Ketone	ND		0.50	0.50

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **SS-2R-SUBSLAB**

Lab Sample ID: 200-26139-1 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1419			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1419			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	ND		0.50	0.50
Methyl tert-butyl ether	ND		0.20	0.20
Methylene Chloride	ND		0.50	0.50
n-Heptane	ND		0.20	0.20
n-Hexane	0.33		0.20	0.20
Styrene	ND		0.20	0.20
tert-Butyl alcohol	ND		5.0	5.0
Tetrachloroethene	33		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
Toluene	ND		0.20	0.20
trans-1,2-Dichloroethene	0.58		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
Trichloroethene	27		0.20	0.20
Trichlorofluoromethane	0.90		0.20	0.20
Vinyl chloride	ND		0.20	0.20
Xylene (total)	ND		0.20	0.20
Xylene, o-	ND		0.20	0.20

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	43		1.1	1.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
1,1,2-Trichloroethane	ND		1.1	1.1
1,1-Dichloroethane	9.6		0.81	0.81
1,1-Dichloroethene	2.0		0.79	0.79
1,2,4-Trichlorobenzene	ND		3.7	3.7
1,2,4-Trimethylbenzene	ND		0.98	0.98
1,2-Dibromoethane	ND		1.5	1.5
1,2-Dichlorobenzene	ND		1.2	1.2
1,2-Dichloroethane	ND		0.81	0.81
1,2-Dichloroethene, Total	86		0.79	0.79
1,2-Dichloropropane	ND		0.92	0.92
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
1,3,5-Trimethylbenzene	ND		0.98	0.98
1,3-Butadiene	ND		0.44	0.44
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,4-Dioxane	ND		18	18
2,2,4-Trimethylpentane	ND		0.93	0.93
2-Chlorotoluene	ND		1.0	1.0
3-Chloropropene	ND		1.6	1.6
4-Ethyltoluene	ND		0.98	0.98
Acetone	ND		12	12
Benzene	ND		0.64	0.64
Bromodichloromethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Bromoform	ND		2.1	2.1

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **SS-2R-SUBSLAB**

Lab Sample ID: 200-26139-1 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_08.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1419			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1419			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	ND		0.78	0.78
Carbon disulfide	ND		1.6	1.6
Carbon tetrachloride	ND		1.3	1.3
Chlorobenzene	ND		0.92	0.92
Chloroethane	ND		1.3	1.3
Chloroform	ND		0.98	0.98
Chloromethane	ND		1.0	1.0
cis-1,2-Dichloroethene	85		0.79	0.79
cis-1,3-Dichloropropene	ND		0.91	0.91
Cyclohexane	ND		0.69	0.69
Dibromochloromethane	ND		1.7	1.7
Dichlorodifluoromethane	ND		2.5	2.5
Ethylbenzene	ND		0.87	0.87
Freon TF	140		1.5	1.5
Hexachlorobutadiene	ND		2.1	2.1
Isopropyl alcohol	ND		12	12
m,p-Xylene	ND		2.2	2.2
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Methyl Ethyl Ketone	ND		1.5	1.5
methyl isobutyl ketone	ND		2.0	2.0
Methyl tert-butyl ether	ND		0.72	0.72
Methylene Chloride	ND		1.7	1.7
n-Heptane	ND		0.82	0.82
n-Hexane	1.2		0.70	0.70
Styrene	ND		0.85	0.85
tert-Butyl alcohol	ND		15	15
Tetrachloroethene	220		1.4	1.4
Tetrahydrofuran	ND		15	15
Toluene	ND		0.75	0.75
trans-1,2-Dichloroethene	2.3		0.79	0.79
trans-1,3-Dichloropropene	ND		0.91	0.91
Trichloroethene	150		1.1	1.1
Trichlorofluoromethane	5.1		1.1	1.1
Vinyl chloride	ND		0.51	0.51
Xylene (total)	ND		0.87	0.87
Xylene, o-	ND		0.87	0.87

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **SS-2R-INDOOR**

Lab Sample ID: 200-26139-2 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1506			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1506			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
1,1-Dichloroethane	ND		0.20	0.20
1,1-Dichloroethene	ND		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
1,2,4-Trimethylbenzene	ND		0.20	0.20
1,2-Dibromoethane	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
1,2-Dichloroethene, Total	ND		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
1,3,5-Trimethylbenzene	ND		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
2,2,4-Trimethylpentane	ND		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
3-Chloropropene	ND		0.50	0.50
4-Ethyltoluene	ND		0.20	0.20
Acetone	ND		5.0	5.0
Benzene	0.26		0.20	0.20
Bromodichloromethane	ND		0.20	0.20
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Bromoform	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Carbon disulfide	ND		0.50	0.50
Carbon tetrachloride	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Chloroethane	ND		0.50	0.50
Chloroform	ND		0.20	0.20
Chloromethane	0.50		0.50	0.50
cis-1,2-Dichloroethene	ND		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
Cyclohexane	ND		0.20	0.20
Dibromochloromethane	ND		0.20	0.20
Dichlorodifluoromethane	ND		0.50	0.50
Ethylbenzene	ND		0.20	0.20
Freon TF	ND		0.20	0.20
Hexachlorobutadiene	ND		0.20	0.20
Isopropyl alcohol	ND		5.0	5.0
m,p-Xylene	ND		0.50	0.50
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Methyl Ethyl Ketone	ND		0.50	0.50

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **SS-2R-INDOOR**

Lab Sample ID: 200-26139-2 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1506			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1506			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	ND		0.50	0.50
Methyl tert-butyl ether	ND		0.20	0.20
Methylene Chloride	ND		0.50	0.50
n-Heptane	ND		0.20	0.20
n-Hexane	ND		0.20	0.20
Styrene	ND		0.20	0.20
tert-Butyl alcohol	ND		5.0	5.0
Tetrachloroethene	ND		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
Toluene	0.21		0.20	0.20
trans-1,2-Dichloroethene	ND		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
Trichloroethene	ND		0.20	0.20
Trichlorofluoromethane	0.20		0.20	0.20
Vinyl chloride	ND		0.20	0.20
Xylene (total)	ND		0.20	0.20
Xylene, o-	ND		0.20	0.20

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		1.1	1.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
1,1,2-Trichloroethane	ND		1.1	1.1
1,1-Dichloroethane	ND		0.81	0.81
1,1-Dichloroethene	ND		0.79	0.79
1,2,4-Trichlorobenzene	ND		3.7	3.7
1,2,4-Trimethylbenzene	ND		0.98	0.98
1,2-Dibromoethane	ND		1.5	1.5
1,2-Dichlorobenzene	ND		1.2	1.2
1,2-Dichloroethane	ND		0.81	0.81
1,2-Dichloroethene, Total	ND		0.79	0.79
1,2-Dichloropropane	ND		0.92	0.92
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
1,3,5-Trimethylbenzene	ND		0.98	0.98
1,3-Butadiene	ND		0.44	0.44
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,4-Dioxane	ND		18	18
2,2,4-Trimethylpentane	ND		0.93	0.93
2-Chlorotoluene	ND		1.0	1.0
3-Chloropropene	ND		1.6	1.6
4-Ethyltoluene	ND		0.98	0.98
Acetone	ND		12	12
Benzene	0.82		0.64	0.64
Bromodichloromethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Bromoform	ND		2.1	2.1

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **SS-2R-INDOOR**

Lab Sample ID: 200-26139-2 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_09.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1506			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1506			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	ND		0.78	0.78
Carbon disulfide	ND		1.6	1.6
Carbon tetrachloride	ND		1.3	1.3
Chlorobenzene	ND		0.92	0.92
Chloroethane	ND		1.3	1.3
Chloroform	ND		0.98	0.98
Chloromethane	1.0		1.0	1.0
cis-1,2-Dichloroethene	ND		0.79	0.79
cis-1,3-Dichloropropene	ND		0.91	0.91
Cyclohexane	ND		0.69	0.69
Dibromochloromethane	ND		1.7	1.7
Dichlorodifluoromethane	ND		2.5	2.5
Ethylbenzene	ND		0.87	0.87
Freon TF	ND		1.5	1.5
Hexachlorobutadiene	ND		2.1	2.1
Isopropyl alcohol	ND		12	12
m,p-Xylene	ND		2.2	2.2
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Methyl Ethyl Ketone	ND		1.5	1.5
methyl isobutyl ketone	ND		2.0	2.0
Methyl tert-butyl ether	ND		0.72	0.72
Methylene Chloride	ND		1.7	1.7
n-Heptane	ND		0.82	0.82
n-Hexane	ND		0.70	0.70
Styrene	ND		0.85	0.85
tert-Butyl alcohol	ND		15	15
Tetrachloroethene	ND		1.4	1.4
Tetrahydrofuran	ND		15	15
Toluene	0.80		0.75	0.75
trans-1,2-Dichloroethene	ND		0.79	0.79
trans-1,3-Dichloropropene	ND		0.91	0.91
Trichloroethene	ND		1.1	1.1
Trichlorofluoromethane	1.1		1.1	1.1
Vinyl chloride	ND		0.51	0.51
Xylene (total)	ND		0.87	0.87
Xylene, o-	ND		0.87	0.87

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **AS-1R**

Lab Sample ID: 200-26139-3 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1553			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1553			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
1,1-Dichloroethane	ND		0.20	0.20
1,1-Dichloroethene	ND		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
1,2,4-Trimethylbenzene	ND		0.20	0.20
1,2-Dibromoethane	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
1,2-Dichloroethene, Total	ND		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
1,3,5-Trimethylbenzene	ND		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
2,2,4-Trimethylpentane	ND		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
3-Chloropropene	ND		0.50	0.50
4-Ethyltoluene	ND		0.20	0.20
Acetone	ND		5.0	5.0
Benzene	ND		0.20	0.20
Bromodichloromethane	ND		0.20	0.20
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Bromoform	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Carbon disulfide	ND		0.50	0.50
Carbon tetrachloride	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Chloroethane	ND		0.50	0.50
Chloroform	ND		0.20	0.20
Chloromethane	ND		0.50	0.50
cis-1,2-Dichloroethene	ND		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
Cyclohexane	ND		0.20	0.20
Dibromochloromethane	ND		0.20	0.20
Dichlorodifluoromethane	ND		0.50	0.50
Ethylbenzene	ND		0.20	0.20
Freon TF	ND		0.20	0.20
Hexachlorobutadiene	ND		0.20	0.20
Isopropyl alcohol	ND		5.0	5.0
m,p-Xylene	ND		0.50	0.50
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Methyl Ethyl Ketone	ND		0.50	0.50

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **AS-1R**

Lab Sample ID: 200-26139-3 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1553			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1553			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	ND		0.50	0.50
Methyl tert-butyl ether	ND		0.20	0.20
Methylene Chloride	ND		0.50	0.50
n-Heptane	ND		0.20	0.20
n-Hexane	ND		0.20	0.20
Styrene	ND		0.20	0.20
tert-Butyl alcohol	ND		5.0	5.0
Tetrachloroethene	ND		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
Toluene	0.20		0.20	0.20
trans-1,2-Dichloroethene	ND		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
Trichloroethene	ND		0.20	0.20
Trichlorofluoromethane	0.21		0.20	0.20
Vinyl chloride	ND		0.20	0.20
Xylene (total)	ND		0.20	0.20
Xylene, o-	ND		0.20	0.20

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		1.1	1.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
1,1,2-Trichloroethane	ND		1.1	1.1
1,1-Dichloroethane	ND		0.81	0.81
1,1-Dichloroethene	ND		0.79	0.79
1,2,4-Trichlorobenzene	ND		3.7	3.7
1,2,4-Trimethylbenzene	ND		0.98	0.98
1,2-Dibromoethane	ND		1.5	1.5
1,2-Dichlorobenzene	ND		1.2	1.2
1,2-Dichloroethane	ND		0.81	0.81
1,2-Dichloroethene, Total	ND		0.79	0.79
1,2-Dichloropropane	ND		0.92	0.92
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
1,3,5-Trimethylbenzene	ND		0.98	0.98
1,3-Butadiene	ND		0.44	0.44
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,4-Dioxane	ND		18	18
2,2,4-Trimethylpentane	ND		0.93	0.93
2-Chlorotoluene	ND		1.0	1.0
3-Chloropropene	ND		1.6	1.6
4-Ethyltoluene	ND		0.98	0.98
Acetone	ND		12	12
Benzene	ND		0.64	0.64
Bromodichloromethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Bromoform	ND		2.1	2.1

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **AS-1R**

Lab Sample ID: 200-26139-3 Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_10.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1553			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1553			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	ND		0.78	0.78
Carbon disulfide	ND		1.6	1.6
Carbon tetrachloride	ND		1.3	1.3
Chlorobenzene	ND		0.92	0.92
Chloroethane	ND		1.3	1.3
Chloroform	ND		0.98	0.98
Chloromethane	ND		1.0	1.0
cis-1,2-Dichloroethene	ND		0.79	0.79
cis-1,3-Dichloropropene	ND		0.91	0.91
Cyclohexane	ND		0.69	0.69
Dibromochloromethane	ND		1.7	1.7
Dichlorodifluoromethane	ND		2.5	2.5
Ethylbenzene	ND		0.87	0.87
Freon TF	ND		1.5	1.5
Hexachlorobutadiene	ND		2.1	2.1
Isopropyl alcohol	ND		12	12
m,p-Xylene	ND		2.2	2.2
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Methyl Ethyl Ketone	ND		1.5	1.5
methyl isobutyl ketone	ND		2.0	2.0
Methyl tert-butyl ether	ND		0.72	0.72
Methylene Chloride	ND		1.7	1.7
n-Heptane	ND		0.82	0.82
n-Hexane	ND		0.70	0.70
Styrene	ND		0.85	0.85
tert-Butyl alcohol	ND		15	15
Tetrachloroethene	ND		1.4	1.4
Tetrahydrofuran	ND		15	15
Toluene	0.74		0.75	0.75
trans-1,2-Dichloroethene	ND		0.79	0.79
trans-1,3-Dichloropropene	ND		0.91	0.91
Trichloroethene	ND		1.1	1.1
Trichlorofluoromethane	1.2		1.1	1.1
Vinyl chloride	ND		0.51	0.51
Xylene (total)	ND		0.87	0.87
Xylene, o-	ND		0.87	0.87

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **AS-DUPLICATE**

Lab Sample ID: 200-26139-4FD Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_11.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1640			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1640			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
1,1-Dichloroethane	ND		0.20	0.20
1,1-Dichloroethene	ND		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
1,2,4-Trimethylbenzene	ND		0.20	0.20
1,2-Dibromoethane	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
1,2-Dichloroethene, Total	ND		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
1,3,5-Trimethylbenzene	ND		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
2,2,4-Trimethylpentane	ND		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
3-Chloropropene	ND		0.50	0.50
4-Ethyltoluene	ND		0.20	0.20
Acetone	ND		5.0	5.0
Benzene	ND		0.20	0.20
Bromodichloromethane	ND		0.20	0.20
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Bromoform	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Carbon disulfide	ND		0.50	0.50
Carbon tetrachloride	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Chloroethane	ND		0.50	0.50
Chloroform	ND		0.20	0.20
Chloromethane	0.54		0.50	0.50
cis-1,2-Dichloroethene	ND		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
Cyclohexane	ND		0.20	0.20
Dibromochloromethane	ND		0.20	0.20
Dichlorodifluoromethane	ND		0.50	0.50
Ethylbenzene	ND		0.20	0.20
Freon TF	ND		0.20	0.20
Hexachlorobutadiene	ND		0.20	0.20
Isopropyl alcohol	ND		5.0	5.0
m,p-Xylene	ND		0.50	0.50
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Methyl Ethyl Ketone	0.58		0.50	0.50

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **AS-DUPLICATE**

Lab Sample ID: 200-26139-4FD Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_11.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1640			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1640			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
methyl isobutyl ketone	ND		0.50	0.50
Methyl tert-butyl ether	ND		0.20	0.20
Methylene Chloride	ND		0.50	0.50
n-Heptane	ND		0.20	0.20
n-Hexane	ND		0.20	0.20
Styrene	ND		0.20	0.20
tert-Butyl alcohol	ND		5.0	5.0
Tetrachloroethene	0.43		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
Toluene	0.20		0.20	0.20
trans-1,2-Dichloroethene	ND		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
Trichloroethene	ND		0.20	0.20
Trichlorofluoromethane	0.22		0.20	0.20
Vinyl chloride	ND		0.20	0.20
Xylene (total)	ND		0.20	0.20
Xylene, o-	ND		0.20	0.20

Analyte	Result (ug/m3)	Qualifier	RL	RL
1,1,1-Trichloroethane	ND		1.1	1.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
1,1,2-Trichloroethane	ND		1.1	1.1
1,1-Dichloroethane	ND		0.81	0.81
1,1-Dichloroethene	ND		0.79	0.79
1,2,4-Trichlorobenzene	ND		3.7	3.7
1,2,4-Trimethylbenzene	ND		0.98	0.98
1,2-Dibromoethane	ND		1.5	1.5
1,2-Dichlorobenzene	ND		1.2	1.2
1,2-Dichloroethane	ND		0.81	0.81
1,2-Dichloroethene, Total	ND		0.79	0.79
1,2-Dichloropropane	ND		0.92	0.92
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
1,3,5-Trimethylbenzene	ND		0.98	0.98
1,3-Butadiene	ND		0.44	0.44
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,4-Dioxane	ND		18	18
2,2,4-Trimethylpentane	ND		0.93	0.93
2-Chlorotoluene	ND		1.0	1.0
3-Chloropropene	ND		1.6	1.6
4-Ethyltoluene	ND		0.98	0.98
Acetone	ND		12	12
Benzene	ND		0.64	0.64
Bromodichloromethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Bromoform	ND		2.1	2.1

Client: AECOM, Inc. Job Number: 200-26139-1

Client Sample ID: **AS-DUPLICATE**

Lab Sample ID: 200-26139-4FD Date Sampled: 12/24/2014 1240
Client Matrix: Air Date Received: 12/31/2014 0845

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-83006	Instrument ID:	CHC.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	11481_11.D
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	01/06/2015 1640			Final Weight/Volume:	200 mL
Prep Date:	01/06/2015 1640			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Bromomethane	ND		0.78	0.78
Carbon disulfide	ND		1.6	1.6
Carbon tetrachloride	ND		1.3	1.3
Chlorobenzene	ND		0.92	0.92
Chloroethane	ND		1.3	1.3
Chloroform	ND		0.98	0.98
Chloromethane	1.1		1.0	1.0
cis-1,2-Dichloroethene	ND		0.79	0.79
cis-1,3-Dichloropropene	ND		0.91	0.91
Cyclohexane	ND		0.69	0.69
Dibromochloromethane	ND		1.7	1.7
Dichlorodifluoromethane	ND		2.5	2.5
Ethylbenzene	ND		0.87	0.87
Freon TF	ND		1.5	1.5
Hexachlorobutadiene	ND		2.1	2.1
Isopropyl alcohol	ND		12	12
m,p-Xylene	ND		2.2	2.2
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Methyl Ethyl Ketone	1.7		1.5	1.5
methyl isobutyl ketone	ND		2.0	2.0
Methyl tert-butyl ether	ND		0.72	0.72
Methylene Chloride	ND		1.7	1.7
n-Heptane	ND		0.82	0.82
n-Hexane	ND		0.70	0.70
Styrene	ND		0.85	0.85
tert-Butyl alcohol	ND		15	15
Tetrachloroethene	2.9		1.4	1.4
Tetrahydrofuran	ND		15	15
Toluene	0.77		0.75	0.75
trans-1,2-Dichloroethene	ND		0.79	0.79
trans-1,3-Dichloropropene	ND		0.91	0.91
Trichloroethene	ND		1.1	1.1
Trichlorofluoromethane	1.2		1.1	1.1
Vinyl chloride	ND		0.51	0.51
Xylene (total)	ND		0.87	0.87
Xylene, o-	ND		0.87	0.87

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Dino Zack	Samples Collected By: DLZ
Company: AECOM	Phone: 716 856 4500 ext 15	1 of 1 COCs
Address: 100 Corporate pkwy, Suite 341	Email: dino.zack@aecom.com	
City/State/Zip Amherst, NY 14226	Site Contact: D. Zack	
Phone: 716 856 4500 ext 15	TA Contact: B Fisher	
FAX:	Analysis Turnaround Time	
Project Name: Former Scott Aviation BCP	Standard (Specify) STD	
Site: Lancaster NY	Rush (Specify)	
PO #		

Sample Identification	Start/Stop Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SS-2R-SUBSLAB	12/23/14 12/24/14	1240	1240	-30.1	-6	3986	4548	X											X
SS-2R-INDOOR	12/23/14	1240	1240	-30.2	-9	4496	3421	X							X				
AS-1R	12/24/14 12/23/14-12/24/14	1240	1240	-29.7	-4	4578	3632	X								X			
AS-Duplicate	12/24/14-12/24/14	1240	1240	-29.7	-5	3932	4789	X								X			

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

200-26139 Chain of Custody

Special Instructions/QC Requirements & Comments:
Sample-2R-SUBSLAB collected from sub-slab.

Samples Shipped by:	Date/Time: 12/24/14 1300	Samples Received by: 1445
Samples Relinquished by:	Date/Time: 12/24/14	Received by: 12/31/14 0845
Relinquished by:	Date/Time:	Received by:

TA BUR

Lab Use Only Shipper Name: Opened by: Condition:

01/07/2015

APPENDIX B

Soil Characterization Analytical Results

Table 1
Analytical results for Confirmatory Sampling Collected from the 2005 IRM Excavation
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use SCO	S-1 (Sidewall) 6/28/2005		S-2 (Sidewall) 6/28/2005		S-3 (Sidewall) 6/28/2005		B-1A (Floor≈ 6 ft) 7/11/2005	
BTEX Compounds (mg/Kg)										
Benzene	71-43-2	0.06	---	U	---	U	---	U	0.007	
Ethylbenzene	100-41-4	1	---	U	---	U	---	U	**10 (11 D)**	**D**
Toluene	108-88-3	0.7	0.010		0.010		0.003	J	**21**	**D**
Xylene (mixed)	1330-20-7	0.26	0.038		0.039		0.092		**46 (74 D)**	**D**
				U						
Total BTEX (mg/Kg)	NA	NL	0.048		0.049		0.095		106.007	
Other VOCs (mg/Kg)										
1,1,1-Trichloroethane	71-55-6	0.68	0.019		0.073		0.009		**58**	**D**
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	---	U	0.026		---	U	6.2 (11)	D
1,1,2-Trichloroethane	79-00-5	NL	0.002	J	0.002	J	0.001	J	0.067	
1,1-Dichloroethane	75-34-3	0.27	---	U	0.020		0.003	J	0.22	
1,1-Dichloroethene	75-35-4	0.33	---	U	0.006		---	U	**0.27 (0.46 DJ)**	**DJ**
4-Methyl-2-Pentanone	108-10-1	NL	---	U	---	U	---	U	0.016	J
Chloroethane	75-00-3	NL	---	U	0.001	J	---	U	0.004	J
Chloromethane	74-87-3	NL	---	U	0.002	J	---	U	---	U
cis -1,2-Dichloroethene	156-59-2	0.25	0.004	J	0.060		0.014		**2.1**	**D**
Cyclohexane	110-82-7	NL	---	U	---	U	---	U	0.022	
Dichlorodifluoromethane	75-71-8	NL	---	U	0.001	J	---	U	0.002	J
Isopropylbenzene	98-82-8	NL	---	U	---	U	---	U	0.008	
Methylcyclohexane	108-87-2	NL	---	U	---	U	---	U	0.010	
Methylene chloride	75-09-2	0.05	0.006		0.008		0.007		---	U
Tetrachloroethene	127-18-4	1.3	0.002	J	0.006		0.002	J	0.005	J
trans-1,2-Dichloroethene	156-60-5	0.19	---	U	0.005		---	U	0.018	
Trichloroethene	79-01-6	0.47	0.008		0.030		0.010		**62**	**D**
Vinyl chloride	75-01-4	0.02	---	U	---	U	---	U	0.002	J
Total VOCs (mg/Kg) (Note 1)	NA	NL	0.089		0.289		0.141		239.941	

Notes:

NL = Not Listed

NA = Not analyzed, not applicable.

U = The material was analyzed for but not detected at or above the reporting limit.
J = The associated numerical value is an estimated quantity.
D = Analyte is identified at a Secondary Dilution factor
mg/kg = milligram per kilogram

(74 D) = Result of a reanalysis

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

Note 1 - Total VOCs includes BTEX compounds.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives (SCO), December 14, 2006.

Table 2
Surface Soil VOC Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Public Health Commercial Use	SS-MW-41B2-0-0.2 RTE1487-05 5/27/2010		SS-MW-40D-0-0.2 RTE1487-06 5/27/2010		SS-MW-38D-0-0.2 RTE1487-07 5/27/2010		SS-DPT8-2C-(0-0.2) RTF0541-01 6/2/2010	
BTEX Compounds (mg/Kg)											
Benzene	71-43-2	0.06	44	0.00046	UJ	0.00029	U	0.00032	U	0.00028	U
Ethylbenzene	100-41-4	1	390	0.00065	UJ	0.00041	U	0.00045	U	0.00039	U
Toluene	108-88-3	0.7	500	0.00071	UJ	0.00044	U	0.00049	U	0.00043	U
Xylene (mixed)	1330-20-7	0.26	500	0.0016	UJ	0.00099	U	0.0011	U	0.00095	U
Total BTEX (mg/Kg)	NA	NL	NL	---	U	---	U	---	U	---	U
Other VOCs (mg/Kg)											
1,1,1-Trichloroethane	71-55-6	0.68	500	0.00068	UJ	0.00043	U	0.00047	U	0.00041	U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.0015	UJ	0.00095	U	0.0011	U	0.00092	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.0021	UJ	0.0013	U	0.0015	U	0.0013	U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.0012	UJ	0.00076	U	0.00085	U	0.00073	U
1,1-Dichloroethane	75-34-3	0.27	240	0.0011	UJ	0.00072	U	0.00079	U	0.00069	U
1,1-Dichloroethene	75-35-4	0.33	500	0.0012	UJ	0.00072	U	0.0008	U	0.00069	U
1,2,4-trichlorobenzene	120-82-1	NL	NL	0.00057	UJ	0.00036	U	0.0004	U	0.00034	U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.0047	UJ	0.0029	U	0.0033	U	0.0028	U
1,2-Dibromoethane	106-93-4	NL	NL	0.0012	UJ	0.00076	U	0.00084	U	0.00073	U
1,2-Dichlorobenzene	95-50-1	1.1	500	0.00074	UJ	0.00046	U	0.00051	U	0.00044	U
1,2-Dichloroethane	107-06-2	0.02	30	0.00047	UJ	0.0003	U	0.00033	U	0.00028	U
1-3 dichloropropane	78-87-5	NL	NL	0.0047	UJ	0.0029	U	0.0033	U	0.0028	U
1,3-Dichlorobenzene	541-73-1	2.4	280	0.00048	UJ	0.0003	U	0.00033	U	0.00029	U
1,4-Dichlorobenzene	106-46-7	1.8	130	0.0013	UJ	0.00082	U	0.00091	U	0.00079	U
Methyl ethyl ketone	78-93-3	0.12	500	0.0034	UJ	0.0022	U	0.0024	U	0.0021	U
2-Hexanone	591-78-6	NL	NL	0.0047	UJ	0.0029	U	0.0033	U	0.0028	U
4-Methyl-2-Pentanone	108-10-1	NL	NL	0.0031	UJ	0.0019	U	0.0021	U	0.0019	U
Acetone	67-64-1	0.05	500	0.0079	UJ	0.005	U	0.0055	U	0.0048	U
Bromodichloromethane	75-27-4	NL	NL	0.0013	UJ	0.00079	U	0.00087	U	0.00076	U
Bromoform	75-25-2	NL	NL	0.0047	UJ	0.0029	U	0.0033	U	0.0028	U
Bromomethane	74-83-9	NL	NL	0.00085	UJ	0.00053	U	0.00059	U	0.00051	U
Carbon Disulfide	75-15-0	NL	NL	0.0047	UJ	0.0029	U	0.0033	U	0.0028	U
Carbon tetrachloride	56-23-5	0.76	22	0.00091	UJ	0.00057	U	0.00063	U	0.00055	U
Chlorobenzene	108-90-7	1.1	500	0.0012	UJ	0.00078	U	0.00086	U	0.00075	U
Chloroethane	75-00-3	NL	NL	0.0021	UJ	0.0013	U	0.0015	U	0.0013	U
Chloroform	67-66-3	0.37	350	0.00058	UJ	0.00036	U	0.0004	U	0.00035	U
Chloromethane	74-87-3	NL	NL	0.00057	UJ	0.00036	U	0.00039	U	0.00034	U
cis -1,2-Dichloroethene	156-59-2	0.25	500	0.0012	UJ	0.00075	U	0.00083	U	0.00072	U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.0014	UJ	0.00085	U	0.00094	U	0.00081	U
Cyclohexane	110-82-7	NL	NL	0.0013	UJ	0.00082	U	0.00091	U	0.00079	U
Dibromochloromethane	124-48-1	NL	NL	0.0012	UJ	0.00075	U	0.00083	U	0.00072	U
Dichlorodifluoromethane	75-71-8	NL	NL	0.00078	UJ	0.00049	U	0.00054	U	0.00047	U
Isopropylbenzene	98-82-8	NL	NL	0.0014	UJ	0.00089	U	0.00098	U	0.00085	U
Methyl acetate	79-20-9	NL	NL	0.0018	UJ	0.0011	U	0.0012	U	0.0011	U
Methyl tert-butyl ether	1634-04-4	0.93	500	0.00093	UJ	0.00058	U	0.00064	U	0.00055	U
Methylcyclohexane	108-87-2	NL	NL	0.0014	UJ	0.00089	U	0.00099	U	0.00086	U
Methylene chloride	75-09-2	0.05	500	0.013	UJ	0.0027	U	0.0065	U	0.019	U
Styrene	100-42-5	NL	NL	0.00047	UJ	0.00029	U	0.00033	U	0.00028	U
Tetrachloroethene	127-18-4	1.3	150	0.0094	UJ	0.0059	U	0.0065	U	0.00076	U
trans-1,2-Dichloroethene	156-60-5	0.19	500	0.00097	UJ	0.00061	U	0.00067	U	0.00058	U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.0041	UJ	0.0026	U	0.0029	U	0.0025	U
Trichloroethene	79-01-6	0.47	200	0.0021	UJ	0.0013	U	0.0014	U	0.0012	U
Trichlorofluoromethane	75-69-4	NL	NL	0.00089	UJ	0.00056	U	0.00062	U	0.00053	U
Vinyl chloride	75-01-4	0.02	13	0.0011	UJ	0.00072	U	0.00079	U	0.00069	U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	---	U	---	U	---	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 concentration.
Shaded value - compound detected at concentration greater than the Commercial SCO concentration.
Note 1 - Total VOCs includes BTEX compounds.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 3
Surface Soil SVOC Results
Scott Aviation BCP Site

Sample Designation	CAS Number	Unrestricted Use	Protection of Public Health	SS-MW-35S-0-0.2		SS-MW-41B2-0-0.2		SS-MW-40D-0-0.2		SS-MW-38D-0-0.2		SS-DPT8-2C-(0-0.2)	
Laboratory Identification				RTE1487-01		RTE1487-05		RTE1487-06		RTE1487-07		RTF0541-01	
Date Sampled			Commercial Use	5/26/2010		5/27/2010		5/27/2010		5/27/2010		6/2/2010	
PAH Compounds (mg/Kg)													
2-Methylnaphthalene	91-57-6	NL	NL	0.003	U	0.02	UJ	0.012	U	0.0027	U	0.047	U
Acenaphthene	83-32-9	20	500	0.003	U	0.39	J	0.14	J	0.021	J	0.21	J
Acenaphthylene	208-96-8	100	500	0.027	J	0.014	UJ	0.096	J	0.0018	U	0.031	U
Anthracene	120-12-7	100	500	0.06	J	1	J	0.44	J	0.055	J	0.53	J
Benzo(a)anthracene	56-55-3	1	5.6	0.24	J	**3.3**	**J**	**1.6**		0.24		**2.4**	**J**
Benzo(a)pyrene	50-32-8	1	1	0.24	J	**3.7**	**J**	**1.8**		0.27		**2.5**	**J**
Benzo(b)fluoranthene	205-99-2	1	5.6	0.28		**4.6**	**J**	**1.9**		0.3		**2.9**	**J**
Benzo(ghi)perylene	191-24-2	100	500	0.16	J	2.7	J	1.2		0.19	J	1.7	J
Benzo(k)fluoranthene	207-08-9	0.8	56	0.1	J	1.3	J	0.81	J	0.14	J	1.2	J
Chrysene	218-01-9	1	56	0.23	J	**3.4**	**J**	**1.6**		0.26		**2.2**	**J**
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.036	J	**0.58**	**J**	0.29	J	0.042	J	0.4	J
Fluoranthene	206-44-0	100	500	0.51		7.6	J	3.2		0.52		4.7	
Fluorene	86-73-7	30	500	0.0058	U	0.42	J	0.17	J	0.022	J	0.17	J
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	0.14	J	**2.2**	**J**	**1.1**		0.16	J	1.4	J
Naphthalene	91-20-3	12	500	0.0042	U	0.028	UJ	0.016	U	0.0037	U	0.064	U
Phenanthrene	85-01-8	100	500	0.27		4.7	J	1.7		0.27		2.8	J
Pyrene	129-00-0	100	500	0.4		6	J	2.5		0.41		4.2	
Total PAHs (mg/Kg)	NA	NL	NL	2.693		41.89		18.546		2.9		27.31	
Other SVOCs (mg/Kg)													
1,1'-Biphenyl	92-52-4	NL	NL	0.016	U	0.1	UJ	0.062	U	0.014	U	0.24	U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.026	U	0.17	UJ	0.1	U	0.023	U	0.4	U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.055	U	0.36	UJ	0.22	U	0.049	U	0.84	U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.017	U	0.11	UJ	0.065	U	0.015	U	0.25	U
2,4-Dichlorophenol	120-83-2	NL	NL	0.013	U	0.087	UJ	0.052	U	0.012	U	0.2	U
2,4-Dimethylphenol	105-67-9	NL	NL	0.068	U	0.45	UJ	0.27	U	0.06	U	1	U
2,4-Dinitrophenol	51-28-5	NL	NL	0.088	U	0.58	UJ	0.35	U	0.078	U	1.3	U
2,4-Dinitrotoluene	121-14-2	NL	NL	0.039	U	0.26	UJ	0.15	U	0.035	U	0.6	U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.062	U	0.41	UJ	0.24	U	0.055	U	0.94	U
2-Chloronaphthalene	91-58-7	NL	NL	0.017	U	0.11	UJ	0.066	U	0.015	U	0.26	U
2-Chlorophenol	95-57-8	NL	NL	0.013	U	0.085	UJ	0.05	U	0.011	U	0.2	U
2-Methylphenol (o-cresol)	95-48-7	0.33	500	0.0077	U	0.051	UJ	0.03	U	0.0069	U	0.12	U
2-Nitroaniline	88-74-4	NL	NL	0.081	U	0.53	UJ	0.32	U	0.072	U	1.2	U
2-Nitrophenol	88-75-5	NL	NL	0.011	U	0.076	UJ	0.045	U	0.01	U	0.18	U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.22	U	1.5	UJ	0.87	U	0.2	U	3.4	U
3-Nitroaniline	99-09-2	NL	NL	0.058	U	0.38	UJ	0.23	U	0.051	U	0.88	U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.087	U	0.58	UJ	0.34	U	0.077	U	1.3	U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.08	U	0.53	UJ	0.32	U	0.071	U	1.2	U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.01	U	0.069	UJ	0.041	U	0.0092	U	0.16	U
4-Chloroaniline	106-47-8	NL	NL	0.074	U	0.49	UJ	0.29	U	0.065	U	1.1	U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0054	U	0.036	UJ	0.021	U	0.0048	U	0.082	U
4-Methylphenol (p-cresol)	106-44-5	0.33	500	0.014	U	0.093	UJ	0.055	U	0.012	U	0.21	U
4-Nitroaniline	100-01-6	NL	NL	0.028	U	0.19	UJ	0.11	U	0.025	U	0.43	U
4-Nitrophenol	100-02-7	NL	NL	0.061	U	0.4	UJ	0.24	U	0.054	U	0.93	U
Acetophenone	98-86-2	NL	NL	0.013	U	0.086	UJ	0.051	U	0.011	U	0.2	U
Atrazine	1912-24-9	NL	NL	0.011	U	0.074	UJ	0.044	U	0.0099	U	0.17	U
Benzaldehyde	100-52-7	NL	NL	0.028	U	0.18	UJ	0.11	U	0.024	U	0.42	U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.014	U	0.091	UJ	0.054	U	0.012	U	0.21	U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.022	U	0.14	UJ	0.085	U	0.019	U	0.33	U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.081	U	0.54	UJ	0.32	U	0.072	U	1.2	U
Butyl benzyl phthalate	85-68-7	NL	NL	0.068	U	0.45	UJ	0.27	U	0.06	U	1	U
Caprolactam	105-60-2	NL	NL	0.11	U	0.72	UJ	0.43	U	0.096	U	1.7	U
Carbazole	86-74-8	NL	NL	0.019	J	0.7	J	0.25	J	0.038	J	0.32	J
Dibenzofuran	132-64-9	7	350	0.0026	U	0.19	J	0.01	U	0.0023	U	0.04	U
Diethyl phthalate	131-11-3	NL	NL	0.0076	U	0.05	UJ	0.03	U	0.0067	U	0.12	U
Dimethyl phthalate	84-66-2	NL	NL	0.0066	U	0.043	UJ	0.026	U	0.0058	U	0.1	U
Di-n-butyl phthalate	84-74-2	NL	NL	0.087	U	0.58	UJ	0.34	U	0.077	U	1.3	U
Di-n-octyl phthalate	117-84-0	NL	NL	0.0059	U	0.039	UJ	0.023	U	0.0052	U	0.09	U
Hexachlorobenzene	118-74-1	0.33	6	0.012	U	0.083	UJ	0.049	U	0.011	U	0.19	U
Hexachlorobutadiene	87-68-3	NL	NL	0.013	U	0.085	UJ	0.051	U	0.011	U	0.2	U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.076	U	0.5	UJ	0.3	U	0.067	U	1.2	U
Hexachloroethane	67-72-1	NL	NL	0.019	U	0.13	UJ	0.077	U	0.017	U	0.3	U
Isophorone	78-59-1	NL	NL	0.013	U	0.083	UJ	0.049	U	0.011	U	0.19	U
Nitrobenzene	98-95-3	NL	NL	0.011	U	0.074	UJ	0.044	U	0.0099	U	0.17	U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.02	U	0.13	UJ	0.078	U	0.018	U	0.3	U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.014	U	0.091	UJ	0.054	U	0.012	U	0.21	U
Pentachlorophenol	87-86-5	0.8	6.7	0.086	U	0.57	UJ	0.34	U	0.077	U	1.3	U
Phenol	108-95-2	0.33	500	0.026	U	0.18	UJ	0.1	U	0.023	U	0.4	U
Total SVOCs (mg/Kg) (Note 1)	**NA**	NL	NL	2.712		42.78		18.796		2.938		27.63	

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 Unrestricterd Use SCO concentration.
Shaded value - compound detected at concentration greater than the Commercial SCO concentration.
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 4
Surface Soil Metals Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Public Health Commercial Use	SS-MW-35S-0-0.2 RTE1487-01 5/26/2010		SS-MW-41B2-0-0.2 RTE1487-05 5/27/2010		SS-MW-40D-0-0.2 RTE1487-06 5/27/2010		SS-MW-38D-0-0.2 RTE1487-07 5/27/2010		SS-DPT8-2C-(0-0.2) RTF0541-01 6/2/2010	
Aluminum	7429-90-5	NL	NL	12600		20900	J	9280		13500		5570	
Antimony	7440-36-0	NL	NL	21.9	UJ	28.3	UJ	17.2	UJ	19.5	UJ	18.4	U
Arsenic	7440-38-2	13	16	6.5		12	J	3.5		5.5		4.7	
Barium	7440-39-3	350	400	48.7		142	J	66.7		81.1		112	
Beryllium	7440-41-7	7.2	590	0.601		0.776	J	0.356		0.495		0.487	
Cadmium	7440-43-9	2.5	9.3	0.293	U	**19.9**	**J**	1.33		1.77		**23.5**	
Calcium	7440-70-2	NL	NL	2670		21800	J	9220		11500		160000	D08
Chromium	7440-47-3	30[c]	1500	14.6		**322**	**J**	**38.8**		**50.1**		**575**	
Cobalt	7440-48-4	NL	NL	6.01		12.2	J	5.26		7.56		3.92	
Copper	7440-50-8	50	270	15.1		**123**	J	43.1		38		**147**	
Iron	7439-89-6	NL	NL	17100		34500	J	13900		20700		16200	
Lead	7439-92-1	63	1,000	37.9		305	J	81.3		58.6		**768**	
Magnesium	7439-95-4	NL	NL	2180		8050	J	4940		5780		14700	
Manganese	7439-96-5	1,600	10,000	152	J	607	J	309	J	366	J	370	
Total Mercury	7439-97-6	0.18	2.8	0.0615		**0.569**	**J**	0.0861		0.0243	U	0.113	
Nickel	7440-02-0	30	310	15.3		**83.9**	**J**	14.5		20.8		**621**	
Potassium	7440-09-7	NL	NL	827		2490	J	920		1410		498	
Selenium	7782-49-2	3.9	1,500	5.9	U	7.5	UJ	4.6	U	5.2	U	4.9	U
Silver	7440-22-4	2	1,500	0.731	U	1.36	J	0.575	U	0.648	U	NA	
Sodium	7440-23-5	NL	NL	205	U	264	UJ	161	U	182	U	206	
Thallium	7440-28-0	NL	NL	8.8	U	11.3	UJ	6.9	U	7.8	U	7.4	U
Vanadium	7440-62-2	NL	NL	21.7		34.7	J	15.8		22.5		11.8	
Zinc	7440-66-6	109	10,000	73.2		**646**	**J**	**221**		**159**		**448**	

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.
D08 = Dilution for target analyte(s).
Bold value - compound detected at concentration greater than Unrestricted Use SCO.
Shaded value - compound detected at concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 5
Surface Soil PCBs and Pesticides Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Public Health Commercial	SS-MW-35S-0-0.2 RTE1487-01 5/26/2010		SS-MW-41B2-0-0.2 RTE1487-05 5/27/2010		SS-MW-40D-0-0.2 RTE1487-06 5/27/2010		SS-MW-38D-0-0.2 RTE1487-07 5/27/2010		SS-DPT8-2C-(0-0.2) RTF0541-01 6/2/2010	
Organochlorine Pesticides (mg/Kg)													
Aldrin	309-00-2	0.005	0.68	0.0006	U	0.0082	UJ	0.00095	U	0.0053	U	0.0047	U
alpha-BHC	319-84-6	0.02	3.4	0.00044	U	0.006	UJ	0.0007	U	0.0039	U	0.0034	U
beta-BHC	319-85-7	0.036	3	0.00026	U	0.0036	UJ	0.00042	U	0.0023	U	0.0021	U
delta-BHC	319-86-8	0.04	500	0.00032	U	0.0044	UJ	0.0018	J	0.0028	U	0.0025	U
Chlordane (alpha)	5103-71-9	0.094	24	0.0012	U	0.017	UJ	0.0019	U	0.011	U	0.0095	U
Chlordane	NL	NL	NL	0.0054	U	0.074	UJ	0.0086	U	0.048	U	0.042	U
4,4'-DDD	72-54-8	0.0033	92	0.00048	U	0.0065	UJ	0.0016	J	0.0042	U	0.0037	U
4,4'-DDE	72-55-9	0.0033	62	0.00037	U	0.005	UJ	0.00058	U	0.0032	U	0.0029	U
4,4'-DDT	50-29-3	0.0033	47	0.0014	J	0.0034	UJ	0.00039	U	0.0022	U	0.009	J
Dieldrin	60-57-1	0.005	1.4	0.00059	U	0.008	UJ	0.00093	U	0.0052	U	0.0046	U
Endosulfan I	959-98-8	2.4	200	0.00031	U	0.0042	UJ	0.0039	U	0.0027	U	0.0024	U
Endosulfan II	33213-65-9	2.4	200	0.00044	U	0.006	UJ	0.0007	U	0.0039	U	0.0034	U
Endosulfan sulfate	1031-07-8	2.4	200	0.00046	U	0.0062	UJ	0.00072	U	0.004	U	0.0035	U
Endrin	72-20-8	0.014	89	0.00034	U	0.034	UJ	0.00053	U	0.003	U	0.0026	U
Endrin aldehyde		NL	NL	0.00063	U	0.0086	UJ	0.00099	U	0.0055	U	0.0049	U
Endrin keytone	NL	NL	NL	0.0006	U	0.0082	UJ	0.00095	U	0.0053	U	0.0047	U
gamma-BHC (Lindane)	58-89-9	0.1	9.2	0.00043	U	0.0058	UJ	0.00067	U	0.0037	U	0.0033	U
gamma-Chlordane	NL	NL	NL	0.00078	U	0.011	UJ	0.0012	U	0.0068	U	0.006	U
Heptachlor	76-44-8	0.042	15	0.00038	U	0.0052	UJ	0.0006	U	0.0034	U	0.003	U
Heptachlor epoxide	NL	NL	NL	0.00063	U	0.0086	UJ	0.001	U	0.0056	U	0.0049	U
Methoxychlor	NL	NL	NL	0.00034	U	0.0046	UJ	0.00053	U	0.003	U	0.0026	U
Toxaphene	NL	NL	NL	0.014	U	0.19	UJ	0.022	U	0.13	U	0.11	U
PCBs (mg/Kg)													
Aroclor 1016	12674-11-2	NL	NL	0.0048	U	0.033	UJ	0.0038	U	0.0042	U	0.0037	U
Aroclor 1221	11104-28-2	NL	NL	0.0048	U	0.033	UJ	0.0038	U	0.0042	U	0.0037	U
Aroclor 1232	11141-16-5	NL	NL	0.0048	U	0.033	UJ	0.0038	U	0.0042	U	0.0037	U
Aroclor 1242	53469-21-9	NL	NL	0.0053	U	0.036	UJ	0.0042	U	0.0047	U	0.0041	U
Aroclor 1248	12672-29-6	NL	NL	0.0048	U	0.033	UJ	0.0038	U	0.0042	U	0.0037	U
Aroclor 1254	11097-69-1	NL	NL	0.0052	U	0.11	J	0.021	J	0.034		0.004	U
Aroclor 1260	11096-82-5	NL	NL	0.011	U	0.15	J	0.034	J	0.01	U	0.038	J
Total PCBs (mg/Kg)	NA	0.1	1	---	U	**0.26**		0.055		0.034		0.038	

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.
Bold value - compound detected at concentration greater than Unrestricted Use.
Shaded value - compound detected at concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 6
Subsurface Soil VOC Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Public Health Commercial Use	SS-MW-35S-6-7 RTE1487-02 5/26/2010		SS-DUPLICATE-1 RTE1487-03 5/26/2010		SS-DPT8-1A-(0-2) RTF0541-02 6/2/2010		SS-DPT8-1B-(2-4) RTF0541-03 6/2/2010		SS-DPT8-2A-(0-2) RTF0541-04 6/2/2010		SS-DPT8-2B-(2-4) RTF0541-05 6/2/2010		SS-DPT8-3B-(6-8) RTF0541-06 6/2/2010		SS-DPT8-3A-(0-2) RTF0541-07 6/2/2010		SS-MW-36D-(8-9) RTF0542-02 6/4/2010	
BTEX Compounds (mg/Kg)																					
Benzene	71-43-2	0.06	44	0.0003	U	0.00034	U	0.00033	U	0.00029	U	0.0022	U	0.0012	U	0.00029	U	0.0003	U	0.00029	U
Ethylbenzene	100-41-4	1	390	0.00042	U	0.00048	U	0.00046	U	0.019		0.0031	U	0.0017	U	0.00041	U	0.00043	U	0.0004	U
Toluene	108-88-3	0.7	500	0.00046	U	0.00052	U	0.0067	U	0.006	U	0.048	J	0.041	J	0.0059	U	0.0062	U	0.0058	U
Xylene (mixed)	1330-20-7	0.26	500	0.001	U	0.0012	U	0.0035	J	0.0063	J	0.064	J	0.0042	U	0.00099	U	0.0063	J	0.00098	U
Total BTEX (mg/Kg)	NA	NL	NL	---	U	---	U	0.0035		0.0253		0.112		0.041		---	U	0.0063		---	U
Other VOCs (mg/Kg)																					
1,1,1-Trichloroethane	71-55-6	0.68	500	0.00044	U	0.0005	U	0.00049	U	0.00043	U	0.0032	U	0.0018	U	0.00043	U	0.00045	U	0.00042	U
1,1,2,2-Tetrachloroethane	79-34-5	NL	NL	0.00098	U	0.0011	U	0.0011	U	0.00097	U	0.0072	U	0.0041	U	0.00095	U	0.001	U	0.00095	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	NL	NL	0.0014	U	0.0016	U	0.0015	U	0.0014	U	0.01	U	0.0057	U	0.0013	U	0.0014	U	0.0013	U
1,1,2-Trichloroethane	79-00-5	NL	NL	0.00079	U	0.0009	U	0.00088	U	0.00077	U	0.0058	U	0.0033	U	0.00077	U	0.00081	U	0.00076	U
1,1-Dichloroethane	75-34-3	0.27	240	0.00074	U	0.00084	U	0.013		0.052		0.0054	U	0.0031	U	0.00072	U	0.00076	U	0.00071	U
1,1-Dichloroethene	75-35-4	0.33	500	0.00074	U	0.00085	U	0.00082	U	0.00073	U	0.0054	U	0.0031	U	0.00072	U	0.00076	U	0.00071	U
1,2,4-trichlorobenzene	120-82-1	NL	NL	0.00037	U	0.00042	U	0.00041	U	0.00036	U	0.0027	U	0.0015	U	0.00036	U	0.00038	U	0.00035	U
1,2-Dibromo-3-chloropropane	96-12-8	NL	NL	0.003	U	0.0035	U	0.0034	U	0.003	U	0.022	U	0.013	U	0.0029	U	0.0031	U	0.0029	U
1,2-Dibromoethane	106-93-4	NL	NL	0.00078	U	0.00089	U	0.00086	U	0.00076	U	0.0057	U	0.0032	U	0.00076	U	0.0008	U	0.00075	U
1,2-Dichlorobenzene	95-50-1	1.1	500	0.00047	U	0.00054	U	0.00053	U	0.00047	U	0.0035	U	0.002	U	0.00046	U	0.00049	U	0.00046	U
1,2-Dichloroethane	107-06-2	0.02	30	0.0003	U	0.00035	U	0.0032	J	0.0003	U	0.0022	U	0.0013	U	0.0003	U	0.00031	U	0.00029	U
1-3 dichloropropane	78-87-5	NL	NL	0.003	U	0.0035	U	0.0034	U	0.003	U	0.022	U	0.013	U	0.0029	U	0.0031	U	0.0029	U
1,3-Dichlorobenzene	541-73-1	2.4	280	0.00031	U	0.00036	U	0.00035	U	0.00031	U	0.0023	U	0.0013	U	0.0003	U	0.00032	U	0.0003	U
1,4-Dichlorobenzene	106-46-7	1.8	130	0.00085	U	0.00097	U	0.00094	U	0.00083	U	0.0062	U	0.0035	U	0.00082	U	0.00087	U	0.00082	U
Methyl ethyl ketone	78-93-3	0.12	500	0.0022	U	0.0025	U	0.0044	J	0.004	J	0.03	J	0.0092	U	0.0022	U	0.0056	J	0.0021	U
2-Hexanone	591-78-6	NL	NL	0.003	U	0.0035	U	0.0034	U	0.003	U	0.022	U	0.013	U	0.0029	U	0.0031	U	0.0029	U
4-Methyl-2-Pentanone	108-10-1	NL	NL	0.002	U	0.0023	U	0.0022	U	0.002	U	0.015	U	0.0082	U	0.0019	U	0.002	U	0.0019	U
Acetone	67-64-1	0.05	500	0.0051	U	0.0058	U	0.034	U	0.04	U	**3.8**		**3**		0.029	U	0.042	U	0.029	U
Bromodichloromethane	75-27-4	NL	NL	0.00081	U	0.00093	U	0.0009	U	0.0008	U	0.0059	U	0.0034	U	0.00079	U	0.00083	U	0.00078	U
Bromoform	75-25-2	NL	NL	0.003	U	0.0035	U	0.0034	U	0.003	U	0.022	U	0.013	U	0.0029	U	0.0031	U	0.0029	U
Bromomethane	74-83-9	NL	NL	0.00054	U	0.00062	U	0.00061	U	0.00054	U	0.004	U	0.0023	U	0.00053	U	0.00056	U	0.00053	U
Carbon Disulfide	75-15-0	NL	NL	0.003	U	0.0035	U	0.0034	U	0.003	U	0.022	U	0.013	U	0.0029	U	0.0031	U	0.0029	U
Carbon tetrachloride	56-23-5	0.76	22	0.00058	U	0.00067	U	0.00065	U	0.00058	U	0.0043	U	0.0024	U	0.00057	U	0.0006	U	0.00056	U
Chlorobenzene	108-90-7	1.1	500	0.0008	U	0.00091	U	0.00089	U	0.00079	U	0.0059	U	0.0033	U	0.00078	U	0.00082	U	0.00077	U
Chloroethane	75-00-3	NL	NL	0.0014	U	0.0016	U	0.0034	J	0.0098		0.01	U	0.0057	U	0.0013	U	0.0014	U	0.0013	U
Chloroform	67-66-3	0.37	350	0.00037	U	0.00043	U	0.00042	U	0.00037	U	0.0027	U	0.0015	U	0.00036	U	0.00038	U	0.00036	U
Chloromethane	74-87-3	NL	NL	0.00036	U	0.00042	U	0.00041	U	0.00036	U	0.0027	U	0.0015	U	0.00036	U	0.00037	U	0.00035	U
cis -1,2-Dichloroethene	156-59-2	0.25	500	0.00077	U	0.00088	U	0.00086	U	0.00076	U	0.0057	U	0.0032	U	0.00075	U	0.00079	U	0.00075	U
cis-1,3-Dichloropropene	10061-01-5	NL	NL	0.00087	U	0.00099	U	0.00097	U	0.00086	U	0.0064	U	0.0036	U	0.00085	U	0.00089	U	0.00084	U
Cyclohexane	110-82-7	NL	NL	0.00085	U	0.00097	U	0.00094	U	0.00083	U	0.0062	U	0.025	U	0.00082	U	0.00087	U	0.00082	U
Dibromochloromethane	124-48-1	NL	NL	0.00077	U	0.00088	U	0.00086	U	0.00076	U	0.0057	U	0.0032	U	0.00075	U	0.00079	U	0.00075	U
Dichlorodifluoromethane	75-71-8	NL	NL	0.0005	U	0.00057	U	0.00056	U	0.00049	U	0.0037	U	0.0021	U	0.00049	U	0.00051	U	0.00048	U
Isopropylbenzene	98-82-8	NL	NL	0.00091	U	0.001	U	0.001	U	0.0009	U	0.0067	U	0.0038	U	0.00089	U	0.00094	U	0.00088	U
Methyl acetate	79-20-9	NL	NL	0.0011	U	0.0013	U	0.0013	U	0.0011	U	0.0082	U	0.0047	U	0.0011	U	0.0012	U	0.0011	U
Methyl tert-butyl ether	1634-04-4	0.93	500	0.00059	U	0.00068	U	0.00066	U	0.00058	U	0.0044	U	0.0025	U	0.00058	U	0.00061	U	0.00057	U
Methylcyclohexane	108-87-2	NL	NL	0.00092	U	0.001	U	0.001	U	0.0009	U	0.0067	U	0.0038	U	0.00089	U	0.00094	U	0.00089	U
Methylene chloride	75-09-2	0.05	500	0.019	U	0.022	U	0.019	U	0.019	U	**0.14**	J	**0.079**	**J**	0.019	U	0.012	U	0.019	U
Styrene	100-42-5	NL	NL	0.0003	U	0.00035	U	0.00034	U	0.0003	U	0.0022	U	0.0013	U	0.00029	U	0.00031	U	0.00029	U
Tetrachloroethene	127-18-4	1.3	150	0.006	U	0.00093	U	0.0009	U	0.0008	U	0.0059	U	0.0034	U	0.00079	U	0.00083	U	0.00078	U
trans-1,2-Dichloroethene	156-60-5	0.19	500	0.00062	U	0.00071	U	0.00069	U	0.00061	U	0.0046	U	0.0026	U	0.00061	U	0.00064	U	0.0006	U
trans-1,3-Dichloropropene	10061-02-6	NL	NL	0.0027	U	0.003	U	0.003	U	0.0026	U	0.02	U	0.011	U	0.0026	U	0.0027	U	0.0026	U
Trichloroethene	79-01-6	0.47	200	0.0013	U	0.0015	U	0.0015	U	0.0013	U	0.0098	U	0.0055	U	0.0013	U	0.0014	U	0.0013	U
Trichlorofluoromethane	75-69-4	NL	NL	0.00057	U	0.00065	U	0.00064	U	0.00056	U	0.0042	U	0.0024	U	0.00056	U	0.00059	U	0.00055	U
Vinyl chloride	75-01-4	0.02	13	0.00074	U	0.00084	U	0.00082	U	0.00073	U	0.0054	U	0.0031	U	0.00072	U	0.00076	U	0.00071	U
Total VOCs (mg/Kg) (Note 1)	NA	NL	NL	---	U	---	U	0.0275		0.0911		4.082		3.12		---	U	0.0119		---	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 concentration.

Shaded value - compound detected at concentration greater than the Commercial SCO concentration.

Note 1 - Total VOCs includes BTEX compounds.

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

Table 7
Subsurface Soil SVOC Results
Scott Aviation BCP Site

Sample Designation	CAS Number	Unrestricted Use	Protection of Public Health	SS-MW-35S-6-7		SS-DUPLICATE-1		SS-MW-37D-6-7		SS-DPT8-1A-(0-2)		SS-DPT8-1B-(2-4)		SS-DPT8-2A-(0-2)		SS-DPT8-2B-(2-4)		SS-DPT8-3B-(6-8)		SS-DPT8-3A-(0-2)		SS-MW-39D-(5-6)		SS-MW-36D-(8-9)	
Laboratory Identification				RTE1487-02		RTE1487-03		RTE1487-08		RTF0541-02		RTF0541-03		RTF0541-04		RTF0541-05		RTF0541-06		RTF0541-07		RTF0542-01		RTF0542-02	
Date Sampled			Commercial Use	5/26/2010		5/26/2010		5/28/2010		6/2/2010		6/2/2010		6/2/2010		6/2/2010		6/2/2010		6/2/2010		6/3/2010		6/4/2010	
PAH Compounds (mg/Kg)																									
2-Methylnaphthalene	91-57-6	NL	NL	0.0025	U	0.0028	U	0.0031	U	0.055	U	0.012	U	0.0027	U	0.0027	U	0.0024	U	0.013	U	0.0025	U	0.0024	U
Acenaphthene	83-32-9	20	500	0.0024	U	0.0027	U	0.003	U	0.054	U	0.012	U	0.01	J	0.0026	U	0.0023	U	0.013	U	0.0024	U	0.0024	U
Acenaphthylene	208-96-8	100	500	0.0017	U	0.02	J	0.0021	U	0.037	U	0.0083	U	0.0018	U	0.0018	U	0.0016	U	0.0087	U	0.0017	U	0.0016	U
Anthracene	120-12-7	100	500	0.0053	U	0.037	J	0.0065	U	0.12	U	0.026	U	0.031	J	0.0056	U	0.0051	U	0.027	U	0.0052	U	0.0052	U
Benzo(a)anthracene	56-55-3	1	5.6	0.0036	U	0.17	J	0.0044	U	0.53	J	0.018	U	0.094	J	0.0038	U	0.0034	U	0.018	U	0.0035	U	0.0035	U
Benzo(a)pyrene	50-32-8	1	1	0.005	U	0.19	J	0.0061	U	0.11	U	0.025	U	0.079	J	0.0053	U	0.0048	U	0.026	U	0.0049	U	0.0049	U
Benzo(b)fluoranthene	205-99-2	1	5.6	0.004	U	0.21	J	0.0049	U	0.089	U	0.02	U	0.096	J	0.0043	U	0.0038	U	0.021	U	0.004	U	0.0039	U
Benzo(ghi)perylene	191-24-2	100	500	0.0025	U	0.13	J	0.0031	U	0.055	U	0.012	U	0.056	J	0.0026	U	0.0024	U	0.013	U	0.0024	U	0.0024	U
Benzo(k)fluoranthene	207-08-9	0.8	56	0.0023	U	0.081	J	0.0028	U	0.05	U	0.011	U	0.035	J	0.0024	U	0.0022	U	0.012	U	0.0022	U	0.0022	U
Chrysene	218-01-9	1	56	0.0021	U	0.18	J	0.0026	U	0.55	J	0.01	U	0.09	J	0.0022	U	0.002	U	0.011	U	0.002	U	0.002	U
Dibenz(a,h)anthracene	53-70-3	0.33	0.56	0.0024	U	0.027	J	0.003	U	0.054	U	0.012	U	0.0026	U	0.0026	U	0.0023	U	0.013	U	0.0024	U	0.0024	U
Fluoranthene	206-44-0	100	500	0.003	U	0.35		0.0037	U	0.67	J	0.015	U	0.21	J	0.0032	U	0.0029	U	0.015	U	0.003	U	0.0029	U
Fluorene	86-73-7	30	500	0.0048	U	0.0053	U	0.0059	U	0.11	U	0.023	U	0.016	J	0.0051	U	0.0045	U	0.025	U	0.0047	U	0.0046	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	0.0057	U	0.12	J	0.0071	U	0.13	U	0.028	U	0.047	J	0.0061	U	0.0055	U	0.029	U	0.0056	U	0.0056	U
Naphthalene	91-20-3	12	500	0.0034	U	0.0038	U	0.0042	U	0.076	U	0.017	U	0.0037	U	0.0037	U	0.0033	U	0.018	U	0.0034	U	0.0034	U
Phenanthrene	85-01-8	100	500	0.0043	U	0.19	J	0.0054	U	0.54	J	0.021	U	0.19	J	0.0046	U	0.0041	U	0.022	U	0.0043	U	0.0042	U
Pyrene	129-00-0	100	500	0.0013	U	0.29		0.0017	U	0.79	J	0.0066	U	0.22		0.0014	U	0.0013	U	0.0069	U	0.0013	U	0.0013	U
Total PAHs (mg/Kg)	NA	NL	NL	---	U	1.995		---	U	3.08		---	U	1.174		---	U	---	U	---	U	---	U	---	U
Other SVOCs (mg/Kg)																									
1,1'-Biphenyl	92-52-4	NL	NL	0.013	U	0.014	U	0.016	U	0.28	U	0.063	U	0.014	U	0.014	U	0.012	U	0.066	U	0.013	U	0.013	U
2,2'-oxybis(1-Chloropropane)	108-60-1	NL	NL	0.022	U	0.024	U	0.027	U	0.48	U	0.11	U	0.023	U	0.023	U	0.021	U	0.11	U	0.021	U	0.021	U
2,4,5-Trichlorophenol	95-95-4	NL	NL	0.045	U	0.05	U	0.056	U	1	U	0.22	U	0.048	U	0.048	U	0.043	U	0.23	U	0.044	U	0.044	U
2,4,6-Trichlorophenol	88-06-2	NL	NL	0.014	U	0.015	U	0.017	U	0.3	U	0.067	U	0.015	U	0.015	U	0.013	U	0.07	U	0.013	U	0.013	U
2,4-Dichlorophenol	120-83-2	NL	NL	0.011	U	0.012	U	0.013	U	0.24	U	0.053	U	0.012	U	0.012	U	0.01	U	0.056	U	0.011	U	0.011	U
2,4-Dimethylphenol	105-67-9	NL	NL	0.056	U	0.062	U	0.069	U	1.2	U	0.28	U	0.06	U	0.06	U	0.053	U	0.29	U	0.055	U	0.054	U
2,4-Dinitrophenol	51-28-5	NL	NL	0.072	U	0.081	U	0.089	U	1.6	U	0.36	U	0.077	U	0.077	U	0.069	U	0.37	U	0.071	U	0.07	U
2,4-Dinitrotoluene	121-14-2	NL	NL	0.032	U	0.036	U	0.039	U	0.71	U	0.16	U	0.034	U	0.034	U	0.031	U	0.17	U	0.032	U	0.031	U
2,6-Dinitrotoluene	606-20-2	NL	NL	0.05	U	0.056	U	0.062	U	1.1	U	0.25	U	0.054	U	0.054	U	0.048	U	0.26	U	0.05	U	0.049	U
2-Chloronaphthalene	91-58-7	NL	NL	0.014	U	0.015	U	0.017	U	0.31	U	0.068	U	0.015	U	0.015	U	0.013	U	0.072	U	0.014	U	0.014	U
2-Chlorophenol	95-57-8	NL	NL	0.011	U	0.012	U	0.013	U	0.23	U	0.052	U	0.011	U	0.011	U	0.01	U	0.054	U	0.01	U	0.01	U
2-Methylphenol (o-cresol)	95-48-7	0.33	500	0.0063	U	0.0071	U	0.0078	U	0.14	U	0.031	U	0.0068	U	0.0068	U	0.0061	U	0.033	U	0.0063	U	0.0062	U
2-Nitroaniline	88-74-4	NL	NL	0.066	U	0.074	U	0.082	U	1.5	U	0.33	U	0.071	U	0.071	U	0.063	U	0.34	U	0.065	U	0.065	U
2-Nitrophenol	88-75-5	NL	NL	0.0094	U	0.011	U	0.012	U	0.21	U	0.047	U	0.01	U	0.01	U	0.009	U	0.049	U	0.0093	U	0.0092	U
3,3'-Dichlorobenzidine	91-94-1	NL	NL	0.18	U	0.2	U	0.22	U	4	U	0.89	U	0.19	U	0.19	U	0.17	U	0.94	U	0.18	U	0.18	U
3-Nitroaniline	99-09-2	NL	NL	0.047	U	0.053	U	0.059	U	1.1	U	0.23	U	0.051	U	0.051	U	0.045	U	0.25	U	0.047	U	0.046	U
4,6-Dinitro-2-methylphenol	534-52-1	NL	NL	0.071	U	0.08	U	0.088	U	1.6	U	0.35	U	0.076	U	0.076	U	0.068	U	0.37	U	0.07	U	0.07	U
4-Bromophenyl phenyl ether	101-55-3	NL	NL	0.066	U	0.073	U	0.081	U	1.5	U	0.32	U	0.07	U	0.07	U	0.063	U	0.34	U	0.065	U	0.064	U
4-Chloro-3-methylphenol	59-50-7	NL	NL	0.0085	U	0.0095	U	0.01	U	0.19	U	0.042	U	0.0091	U	0.0091	U	0.0081	U	0.044	U	0.0084	U	0.0083	U
4-Chloroaniline	106-47-8	NL	NL	0.061	U	0.068	U	0.075	U	1.3	U	0.3	U	0.065	U	0.065	U	0.058	U	0.31	U	0.06	U	0.059	U
4-Chlorophenyl phenyl ether	7005-72-3	NL	NL	0.0044	U	0.0049	U	0.0054	U	0.097	U	0.022	U	0.0047	U	0.0047	U	0.0042	U	0.023	U	0.0043	U	0.0043	U
4-Methylphenol (p-cresol)	106-44-5	0.33	500	0.011	U	0.013	U	0.014	U	0.25	U	0.057	U	0.012	U	0.012	U	0.011	U	0.059	U	0.011	U	0.011	U
4-Nitroaniline	100-01-6	NL	NL	0.023	U	0.026	U	0.028	U	0.51	U	0.11	U	0.025	U	0.025	U	0.022	U	0.12	U	0.023	U	0.022	U
4-Nitrophenol	100-02-7	NL	NL	0.05	U	0.056	U	0.062	U	1.1	U	0.25	U	0.053	U	0.053	U	0.048	U	0.26	U	0.049	U	0.049	U
Acetophenone	98-86-2	NL	NL	0.011	U	0.012	U	0.013	U	0.23	U	0.052	U	0.011	U	0.011	U	0.01	U	0.055	U	0.01	U	0.01	U
Atrazine	1912-24-9	NL	NL	0.0092	U	0.01	U	0.011	U	0.2	U	0.045	U	0.0098	U	0.0098	U	0.0088	U	0.047	U	0.0091	U	0.009	U
Benzaldehyde	100-52-7	NL	NL	0.023	U	0.025	U	0.028	U	0.5	U	0.11	U	0.024	U	0.024	U	0.022	U	0.12	U	0.022	U	0.022	U
bis(2-Chloroethoxy)methane	111-91-1	NL	NL	0.011	U	0.013	U	0.014	U	0.25	U	0.055	U	0.012	U	0.012	U	0.011	U	0.058	U	0.011	U	0.011	U
bis(2-Chloroethyl) ether	111-44-4	NL	NL	0.018	U	0.02	U	0.022	U	0.39	U	0.088	U	0.019	U	0.019	U	0.017	U	0.092	U	0.018	U	0.017	U
bis(2-Ethylhexyl) phthalate	117-81-7	NL	NL	0.091	J	0.074	U	0.082	U	1.5	U	0.33	U	0.41		0.49		0.22		0.34	U	0.95		0.11	J
Butyl benzyl phthalate	85-68-7	NL	NL	0.055	U	0.062	U	0.069	U	1.2	U	0.27	U	0.059	U	0.059	U	0.053	U	0.29	U	0.055	U	0.054	U
Caprolactam	105-60-2	NL	NL	0.089	U	0.1	U	0.11	U	2	U	0.44	U	0.095	U	0.095	U	0.085	U	0.46	U	0.088	U	0.087	U
Carbazole	86-74-8	NL	NL	0.0024	U	0.02	J	0.003	U	0.053	U	0.012	U	0.014	J	0.0026	U	0.0023	U	0.012	U	0.0024	U	0.0023	U
Dibenzofuran	132-64-9	7	350	0.0021	U	0.0024	U	0.0027	U	0.048	U	0.011	U	0.0023	U	0.0023	U	0.0021	U	0.011	U	0.0021	U	0.0021	U
Diethyl phthalate	131-11-3	NL	NL	0.0062	U	0.007	U	0.0077	U	0.14	U	0.031	U	0.0067	U	0.0067	U	0.006	U	0.032	U	0.0062	U	0.0061	U
Dimethyl phthalate	84-66-2	NL	NL	0.0054	U	0.006	U	0.0067	U	0.12	U	0.027	U	0.0058	U	0.0058	U	0.0052	U	0.028	U	0.0053	U	0.0053	U
Di-n-butyl phthalate	84-74-2	NL	NL	0.071	U	0.08	U	0.088	U	1.6	U	0.35	U	0.076	U	0.076	U	0.068	U	1.3	U	0.071	U	0.07	U
Di-n-octyl phthalate	117-84-0	NL	NL	0.0048	U	0.0054	U	0.006	U	0.11	U	0.024	U	0.0052	U	0.0052	U	0.0046	U	0.025	U	0.0048	U	0.0047	U
Hexachlorobenzene	118-74-1	0.33	6	0.01	U	0.011	U	0.013	U	0.23	U	0.051	U	0.011	U	0.011	U	0.0098	U	0.053	U	0.01	U	0.01	U
Hexachlorobutadiene	87-68-3	NL	NL	0.011	U	0.012	U	0.013	U	0.23	U	0.052	U	0.011	U	0.011	U	0.01	U	0.055	U	0.01	U	0.01	U
Hexachlorocyclopentadiene	77-47-4	NL	NL	0.062	U	0.07	U	0.077	U	1.4	U	0.31	U	0.067	U	0.067	U	0.06	U	0.32	U	0.062	U	0.061	U
Hexachloroethane	67-72-1	NL	NL	0.016	U	0.018	U	0.02	U	0.35	U	0.079	U	0.017	U	0.017	U	0.015	U	0.083	U	0.016	U	0.016	U
Isophorone	78-59-1	NL	NL	0.01	U	0.012	U	0.013	U	0.23	U	0.051	U	0.011	U	0.011	U	0.0099	U	0.053	U	0.01	U	0.01	U
Nitrobenzene	98-95-3	NL	NL	0.0091	U	0.01	U	0.011	U	0.2	U	0.045	U	0.0098	U	0.0098	U	0.0088	U	0.047	U	0.009	U	0.0089	U
N-Nitrosodi-n-propylamine	621-64-7	NL	NL	0.016	U	0.018	U	0.02	U	0.36	U	0.081	U	0.017	U	0.017	U	0.016	U	0.084	U	0.016	U	0.016	U
N-Nitrosodiphenylamine	86-30-6	NL	NL	0.011	U	0.013	U	0.014	U	0.25	U	0.056	U	0.012	U	0.012	U	0.011	U	0.058	U	0.011	U	0.011	U
Pentachlorophenol	87-86-5	0.8	6.7	0.071	U	0.079	U	0.088	U	1.6	U	0.35	U	0.076	U	0.076	U	0.068	U	0.37	U	0.07	U	0.069	U
Phenol	108-95-2	0.33	500	0.022	U	0.024	U	0.027	U	0.48	U	0.11	U	0.023	U	0.023	U	0.021	U	0.11	U	0.021	U	0.021	U
Total SVOCs (mg/Kg) (Note 1)	**NA**	NL	NL	0.091		2.015		---	U	3.08		---	U	1.598		0.49		0.22		---	U	0.95		0.11	

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 Unrestricterd Use SCO concentration.
Shaded value - compound detected at concentration greater than the Commercial SCO concentration.
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 8
Subsurface Soil Metals Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Public Health Commercial Use	SS-MW-35S-6-7 RTE1487-02 5/26/2010		SS-DUPLICATE-1 RTE1487-03 5/26/2010		SS-MW-37D-6-7 RTE1487-08 5/28/2010		SS-DPT8-1A-(0-2) RTF0541-02 6/2/2010		SS-DPT8-1B-(2-4) RTF0541-03 6/2/2010		SS-DPT8-2A-(0-2) RTF0541-04 6/2/2010		SS-DPT8-2B-(2-4) RTF0541-05 6/2/2010		SS-DPT8-3B-(6-8) RTF0541-06 6/2/2010		SS-DPT8-3A-(0-2) RTF0541-07 6/2/2010		SS-MW-39D-(5-6) RTF0542-01 6/3/2010		SS-MW-36D-(8-9) RTF0542-02 6/4/2010	
Aluminum	7429-90-5	NL	NL	11000		9380		15100		24500		11200		24100		14500		10500		13600		12000		9760	
Antimony	7440-36-0	NL	NL	17.2	UJ	21.9	UJ	23.1	UJ	21.5	U	16.6	U	19.8	U	20.7	U	16.6	U	18.8	U	19	U	16.5	U
Arsenic	7440-38-2	13	16	7.7		4.3		12.1		14.7		5.5		7.9		8.3		7.7		5.5		7.7		6.2	
Barium	7440-39-3	350	400	72.5		37.7		98.5		90.5		83.5		82.2		98.2		118		84.4		92.1		81.3	
Beryllium	7440-41-7	7.2	590	0.483		0.353		0.67		0.505		0.531		0.487		0.68		0.5		0.564		0.576		0.483	
Cadmium	7440-43-9	2.5	9.3	0.315		0.381		0.371		**18.6**		0.874		**18**		0.317		0.276		0.944		0.372		0.238	
Calcium	7440-70-2	NL	NL	48200		2280		47000		7820		57500		45300		59200		58500		2700		63200		55600	
Chromium	7440-47-3	30[c]	1500	15.5		11.3		21.2		**932**		24		**1140**		20.9		15.4		**299**		19.3		14.8	
Cobalt	7440-48-4	NL	NL	8.01		4.6		13.3		9.53		9.52		22.8		13.7		13.2		10.3		7.97		8.22	
Copper	7440-50-8	50	270	24		11.8		30.9		**577**		23.4		**859**		26.8		21.5		16		24.1		18.7	
Iron	7439-89-6	NL	NL	22100		12500		30300		27700		20900		20900		26500		21500		23300		24000		18800	
Lead	7439-92-1	63	1,000	10.6		28.5		15.2		337		13.9		**547**		12.4		11.1		31.3		10.5		9.4	
Magnesium	7439-95-4	NL	NL	15400		1710		17500		4270		18500		24400		18200		19400		2930		18700		19900	
Manganese	7439-96-5	1,600	10,000	337	J	124	J	473	J	291		513		603		809		730		555		352		406	
Total Mercury	7439-97-6	0.18	2.8	0.0253	U	0.0409		0.09		**5.09**	**D08**	0.047		**0.566**		0.0263	U	0.0243		0.0612		0.026	U	0.0243	U
Nickel	7440-02-0	30	310	23.9		11.3		**34.4**		**43**		25.2		**101**		**32.1**		**32.3**		15.8		24.1		22.2	
Potassium	7440-09-7	NL	NL	1970		641		2900		1150		2420		1220		2120		2200		1290		2500		2370	
Selenium	7782-49-2	3.9	1,500	4.6	U	5.8	U	6.2	U	5.7	U	4.4	U	5.3	U	5.5	U	4.4	U	5	U	5.1	U	4.4	U
Silver	7440-22-4	2	1,500	0.573	U	0.73	U	0.77	U	NA		NA		NA		NA		NA		NA		NA		NA	
Sodium	7440-23-5	NL	NL	174		204	U	224		273		221		244		199		203		175	U	213		192	
Thallium	7440-28-0	NL	NL	6.9	U	8.8	U	9.2	U	8.6	U	6.7	U	7.9	U	8.3	U	6.7	U	7.5	U	7.6	U	6.6	U
Vanadium	7440-62-2	NL	NL	20		15.2		27.8		26.3		21.4		22.6		26.1		20.1		27.1		24.5		18.8	
Zinc	7440-66-6	109	10,000	61		60.3		80.5		**1630**	**D08**	65.9		**1460**	**D08**	71.8		61.9		103		67.6		59.9	

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.
D08 = Dilution for target analyte(s).
Bold value - compound detected at concentration greater than Unrestricted Use SCO.
Shaded value - compound detected at concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

Table 9
Subsurface Soil PCBs and Pesticides Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Public Health Commercial Use	SS-MW-35S-6-7 RTE1487-02 5/26/2010		SS-DUPLICATE-1 RTE1487-03 5/26/2010		SS-MW-37D-6-7 RTE1487-08 5/28/2010		SS-DPT8-2C-(0-0.2) RTF0541-01 6/2/2010		SS-DPT8-1A-(0-2) RTF0541-02 6/2/2010		SS-DPT8-1B-(2-4) RTF0541-03 6/2/2010		SS-DPT8-2A-(0-2) RTF0541-04 6/2/2010		SS-DPT8-2B-(2-4) RTF0541-05 6/2/2010		SS-DPT8-3B-(6-8) RTF0541-06 6/2/2010		SS-DPT8-3A-(0-2) RTF0541-07 6/2/2010		SS-MW-39D-(5-6) RTF0542-01 6/3/2010		SS-MW-36D-(8-9) RTF0542-02 6/4/2010	
Organochlorine Pesticides (mg/Kg)																											
Aldrin	309-00-2	0.005	0.68	0.0005	U	0.00056	U	0.00062	U	0.0047	U	0.028	U	0.0005	U	0.0027	U	0.00054	U	0.00049	U	0.0026	U	0.0005	U	0.00049	U
alpha-BHC	319-84-6	0.02	3.4	0.00036	U	0.00041	U	0.00045	U	0.0034	U	0.02	U	0.00036	U	0.002	U	0.0004	U	0.00036	U	0.0019	U	0.00036	U	0.00036	U
beta-BHC	319-85-7	0.036	3	0.00022	U	0.00025	U	0.00027	U	0.0021	U	0.012	U	0.00022	U	0.0012	U	0.00024	U	0.00021	U	0.0011	U	0.00022	UJ	0.00021	U
delta-BHC	319-86-8	0.04	500	0.00027	U	0.0003	U	0.00033	U	0.0025	U	0.015	U	0.00027	U	0.0014	U	0.00029	U	0.00026	U	0.0014	U	0.00027	UJ	0.00026	U
Chlordane (alpha)	5103-71-9	0.094	24	0.001	U	0.0011	U	0.0013	U	0.0095	U	0.056	U	0.001	U	0.0054	U	0.0011	U	0.00099	U	0.0052	U	0.001	U	0.00098	U
Chlordane	NL	NL	NL	0.0045	U	0.005	U	0.0056	U	0.042	U	0.25	U	0.0045	U	0.024	U	0.0049	U	0.0044	U	0.023	U	0.0045	U	0.0044	U
4,4'-DDD	72-54-8	0.0033	92	0.00039	U	0.00044	U	0.00049	U	0.0037	U	0.022	U	0.00099	J	0.0021	U	0.00043	U	0.00039	U	0.002	U	0.00039	U	0.00038	U
4,4'-DDE	72-55-9	0.0033	62	0.0003	U	0.00034	U	0.00038	U	0.0029	U	0.017	U	0.0003	U	0.0016	U	0.00033	U	0.0003	U	0.0016	U	0.0003	U	0.0003	U
4,4'-DDT	50-29-3	0.0033	47	0.00021	U	0.00023	U	0.00026	U	0.009	J	0.011	U	0.00021	U	0.0011	U	0.00022	U	0.0002	U	0.0011	U	0.00021	U	0.0002	U
Dieldrin	60-57-1	0.005	1.4	0.00048	U	0.00055	U	0.0006	U	0.0046	U	0.027	U	0.00049	U	0.006	J	0.00053	U	0.00048	U	0.0025	U	0.00049	U	0.00047	U
Endosulfan I	959-98-8	2.4	200	0.00025	U	0.00029	U	0.00032	U	0.0024	U	0.014	U	0.00026	U	0.0014	U	0.00028	U	0.00025	U	0.0013	U	0.00025	U	0.00025	U
Endosulfan II	33213-65-9	2.4	200	0.00036	U	0.00041	U	0.00045	U	0.0034	U	0.02	U	0.00036	U	0.002	U	0.0004	U	0.00036	U	0.0019	U	0.00036	U	0.00036	U
Endosulfan sulfate	1031-07-8	2.4	200	0.00038	U	0.00042	U	0.00047	U	0.0035	U	0.021	U	0.00038	U	0.002	U	0.00041	U	0.00037	U	0.0019	U	0.00038	U	0.00037	U
Endrin	72-20-8	0.014	89	0.00028	U	0.00031	U	0.00035	U	0.0026	U	0.015	U	0.00028	U	0.0015	U	0.0003	U	0.00027	U	0.0014	U	0.00028	U	0.00027	U
Endrin aldehyde		NL	NL	0.00052	U	0.00058	U	0.00064	U	0.0049	U	0.029	U	0.00052	U	0.0028	U	0.00056	U	0.00051	U	0.0027	U	0.00052	UJ	0.0005	U
Endrin keytone	NL	NL	NL	0.0005	U	0.00056	U	0.00062	U	0.0047	U	0.028	U	0.0005	U	0.0027	U	0.00054	U	0.00049	U	0.0026	U	0.0005	U	0.00049	U
gamma-BHC (Lindane)	58-89-9	0.1	9.2	0.00035	U	0.0004	U	0.00044	U	0.0033	U	0.02	U	0.00035	U	0.0019	U	0.00038	U	0.00035	U	0.0018	U	0.00035	U	0.00034	U
gamma-Chlordane	NL	NL	NL	0.00064	U	0.00072	U	0.0008	U	0.006	U	0.036	U	0.00064	U	0.0035	U	0.0007	U	0.00063	U	0.0033	U	0.00064	U	0.00063	U
Heptachlor	76-44-8	0.042	15	0.00032	U	0.00036	U	0.00039	U	0.003	U	0.018	U	0.00032	U	0.0017	U	0.00035	U	0.00031	U	0.0016	U	0.00032	U	0.00031	U
Heptachlor epoxide	NL	NL	NL	0.00052	U	0.00059	U	0.00065	U	0.0049	U	0.029	U	0.00052	U	0.0028	U	0.00057	U	0.00051	U	0.0027	U	0.00052	U	0.00051	U
Methoxychlor	NL	NL	NL	0.00028	U	0.00031	U	0.00035	U	0.0026	U	0.015	U	0.00028	U	0.0015	U	0.0003	U	0.00027	U	0.0014	U	0.00028	U	0.00027	U
Toxaphene	NL	NL	NL	0.012	U	0.013	U	0.015	U	0.11	U	0.65	U	0.012	U	0.063	U	0.013	U	0.012	U	0.06	U	0.012	U	0.011	U
PCBs (mg/Kg)																											
Aroclor 1016	12674-11-2	NL	NL	0.0039	U	0.0044	U	0.0049	U	0.0037	U	0.044	U	0.004	U	0.017	U	0.0043	U	0.0039	U	0.041	U	0.004	U	0.0039	U
Aroclor 1221	11104-28-2	NL	NL	0.0039	U	0.0044	U	0.0049	U	0.0037	U	0.044	U	0.004	U	0.017	U	0.0043	U	0.0039	U	0.041	U	0.004	U	0.0039	U
Aroclor 1232	11141-16-5	NL	NL	0.0039	U	0.0044	U	0.0049	U	0.0037	U	0.044	U	0.004	U	0.017	U	0.0043	U	0.0039	U	0.041	U	0.004	U	0.0039	U
Aroclor 1242	53469-21-9	NL	NL	0.0044	U	0.0049	U	0.0055	U	0.0041	U	0.049	U	0.0044	U	0.019	U	0.0048	U	0.0043	U	0.045	U	0.0044	U	0.0043	U
Aroclor 1248	12672-29-6	NL	NL	0.004	U	0.0045	U	0.0049	U	0.0037	U	0.044	U	0.004	U	0.017	U	0.0043	U	0.0039	U	0.041	U	0.004	U	0.0039	U
Aroclor 1254	11097-69-1	NL	NL	0.0043	U	0.0048	U	0.0053	U	0.004	U	0.047	U	0.0043	U	0.018	U	0.0047	U	0.0042	U	0.044	U	0.0043	U	0.0042	U
Aroclor 1260	11096-82-5	NL	NL	0.0094	U	0.011	U	0.012	U	0.038	J	0.28	J	0.0095	U	0.099	J	0.01	U	0.0093	U	0.097	U	0.0095	U	0.0093	U
Total PCBs (mg/Kg)	NA	0.1	1	---	U	---	U	---	U	0.038		**0.28**		---	U	0.099		---	U	---	U	---	U	---	U	---	U

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.
Bold value - compound detected at concentration greater than Unrestricted Use.
Shaded value - compound detected at concentration greater than the Commercial SCO.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

APPENDIX C

Community Air Monitoring Program Data Summary

AECOM
100 Corporate Parkway
Amherst, NY 14226

716.836.4506 tel

Community Air Monitoring Summary

Client:	**Tyco / Scott-BCP**
Location:	**Former Scott Aviation Facility, Lancaster, NY**
Period:	**September 8 – October 2, 2014**

During the report period there were no particulate matter (PM_{10}) or total volatile organic compound (TVOC) concentrations greater than the Action Level. This data summary report includes daily tabular information summarizing the ambient air-quality data collected during the remediation period in accordance with DER-10 Technical Guidance for Site Investigation and Remediation Appendix 1A New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan at the Former Scott Aviation Facility in Lancaster, New York. The results of the real-time air monitoring are presented in the following tables:

- **Table 1:** Daily real-time PM_{10} and TVOC data summary for downwind receptor; and
- **Table 2**: Real-time PM_{10} and TVOC data listing for downwind receptor.

Below are the project alert and action levels.

Target Compounds	Alert Levels	Action Levels
PM_{10}	> 100 µg/m^3 above background[1]	> 150 µg/m^3 above background[1]
TVOC	> 5.0 ppm above background[1]	>25.0 ppm above background[1]
Visible Dust	Visible dust observed on Site (confirmed related to Site activities)	Visible dust observed migrating off Site (confirmed related to Site activities)

Definitions:

PM_{10} = Particulate Matter 10 micro meters or less

TVOC = Total Volatile Organic Compounds

µg/m^3 = Micrograms per cubic meter

ppm = Parts per million

[1] Background is the lowest current onsite concentration during the same 15-minute period of an elevated concentration.

AECOM
100 Corporate Parkway
Amherst, NY 14226

716.836.4506 tel

Table 1: Daily Real-Time PM_{10} and TVOC Data Summary for Downwind Receptor

	PM_{10} $\mu g/m^3$			TVOC ppm		
	Daily Minimum 15-minute Average Concentration	Daily Average 15-minute Concentration	Daily Maximum 15-minute Average Concentration	Daily Minimum 15-minute Average Concentration	Daily Average 15-minute Concentration	Daily Maximum 15-minute Average Concentration
Mon 9/8/14	6	7	11	0.1	0.1	0.2
Tue 9/9/14	7	8	11	0.1	0.1	0.2
Thu 9/11/14	2	5	13	0.0	0.0	0.0
Mon 9/15/14	9	10	12	0.0	0.0	0.0
Tue 9/16/14	4	13	60	0.3	0.9	2.3
Wed 9/17/14	9	12	17	0.0	0.1	0.1
Tue 9/23/14	8	9	10	0.0	0.0	0.0
Wed 9/24/14	8	13	21	0.1	0.3	0.9
Thu 9/25/14	9	30	123	0.0[1]	0.1[1]	0.2[1]
Thu 10/2/14	19	27	41	0.0	0.0	0.3

Definitions:
PM_{10} – Respirable Particulate Matter
TVOC – Total Volatile Organic Compounds
$\mu g/m^3$ – Micrograms per cubic meter
ppm – Parts per million

Notes:
[1] TVOC data was invalid on 9/25/14 between 8:45AM and 3:30PM due to an instrument drift.

Table 2: Real-time PM_{10} and TVOC Data Listing for Downwind Receptor.

Date & Time	TVOC	PM10
	ppm	ug/m3
9/8/14 14:00	0.2	NoData
9/8/14 14:15	0.1	8
9/8/14 14:30	0.2	7
9/8/14 14:45	0.2	6
9/8/14 15:00	0.2	6
9/8/14 15:15	0.1	6
9/8/14 15:30	0.1	6
9/8/14 15:45	0.1	11
9/8/14 16:00	0.1	7
9/9/14 9:45	0.2	10
9/9/14 10:00	0.1	8
9/9/14 10:15	0.1	10
9/9/14 10:30	0.1	8
9/9/14 10:45	0.1	8
9/9/14 11:00	0.1	8
9/9/14 11:15	0.1	7
9/9/14 11:30	0.2	9
9/9/14 11:45	0.2	7
9/9/14 12:00	0.2	8
9/9/14 12:15	0.2	7
9/9/14 12:30	0.2	7
9/9/14 12:45	0.2	11
9/9/14 13:00	0.1	7
9/9/14 13:15	0.1	10
9/9/14 13:30	0.1	7
9/9/14 13:45	0.1	8
9/9/14 14:00	0.1	7
9/9/14 14:15	0.1	8
9/9/14 14:30	0.1	7
9/9/14 14:45	0.1	8
9/9/14 15:00	0.1	8
9/9/14 15:15	0.1	7
9/11/14 9:45	0	4
9/11/14 10:00	0	3
9/11/14 10:15	0	8
9/11/14 10:30	0	6
9/11/14 10:45	0	8
9/11/14 11:00	0	6
9/11/14 11:15	0	7
9/11/14 11:30	0	7
9/11/14 11:45	0	7
9/11/14 12:00	0	7
9/11/14 12:15	0	13
9/11/14 12:30	0	2
9/11/14 12:45	0	2
9/11/14 13:00	0	2
9/11/14 13:15	0	3

Table 2: Real-time PM_{10} and TVOC Data Listing for Downwind Receptor.

Date & Time	TVOC	PM10
	ppm	ug/m3
9/11/14 13:30	0	2
9/11/14 13:45	0	2
9/11/14 14:00	0	4
9/11/14 14:15	0	3
9/11/14 14:30	0	4
9/11/14 14:45	0	4
9/11/14 15:00	0	4
9/11/14 15:15	0	4
9/11/14 15:30	0	8
9/11/14 15:45	0	9
9/11/14 16:00	0	7
9/11/14 16:15	0	8
9/11/14 16:30	0	4
9/11/14 16:45	0	3
9/15/14 13:45	0	12
9/15/14 14:00	0	10
9/15/14 14:15	0	10
9/15/14 14:30	0	9
9/15/14 14:45	0	10
9/16/14 9:00	1.1	33
9/16/14 9:15	2	24
9/16/14 9:30	2.3	18
9/16/14 9:45	2.2	16
9/16/14 10:00	1.9	14
9/16/14 10:15	1.6	18
9/16/14 10:30	1.3	12
9/16/14 10:45	1.2	13
9/16/14 11:00	1	12
9/16/14 11:15	0.9	8
9/16/14 11:30	0.8	10
9/16/14 11:45	0.8	7
9/16/14 12:00	0.7	60
9/16/14 12:15	0.6	7
9/16/14 12:30	0.6	6
9/16/14 12:45	0.6	5
9/16/14 13:00	0.5	5
9/16/14 13:15	0.5	8
9/16/14 13:30	0.5	7
9/16/14 13:45	0.5	7
9/16/14 14:00	0.4	6
9/16/14 14:15	0.4	13
9/16/14 14:30	0.4	4
9/16/14 14:45	0.4	6
9/16/14 15:00	0.4	5
9/16/14 15:15	0.3	7
9/17/14 8:00	0	NoData
9/17/14 8:15	0	14

Table 2: Real-time PM_{10} and TVOC Data Listing for Downwind Receptor.

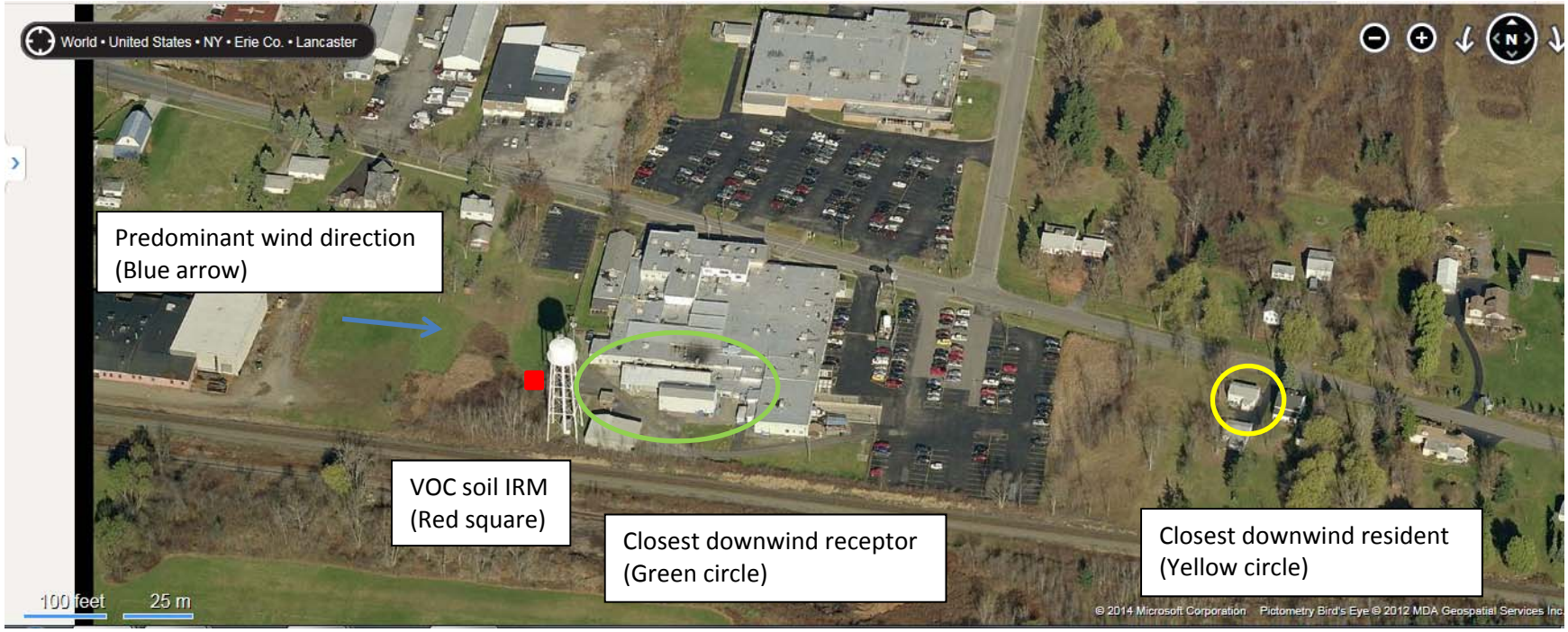
Date & Time	TVOC	PM10
	ppm	ug/m3
9/17/14 8:30	0	14
9/17/14 8:45	0	13
9/17/14 9:00	0	12
9/17/14 9:15	0	12
9/17/14 9:30	0	12
9/17/14 9:45	0	17
9/17/14 10:00	0.1	10
9/17/14 10:15	0.1	9
9/17/14 10:30	0.1	10
9/17/14 10:45	0.1	12
9/17/14 11:00	0.1	11
9/17/14 11:15	0.1	11
9/17/14 11:30	0.1	12
9/17/14 11:45	0.1	12
9/23/14 12:15	0	NoData
9/23/14 12:30	0	8
9/23/14 12:45	0	9
9/23/14 13:00	0	10
9/23/14 13:15	0	9
9/23/14 13:30	0	9
9/23/14 13:45	0	9
9/23/14 14:00	0	10
9/23/14 14:15	0	9
9/23/14 14:30	0	10
9/23/14 14:45	0	10
9/23/14 15:00	0	10
9/23/14 15:15	0	NoData
9/24/14 8:15	0.6	19
9/24/14 8:30	0.9	16
9/24/14 8:45	0.6	13
9/24/14 9:00	0.4	13
9/24/14 9:15	0.4	13
9/24/14 9:30	0.3	17
9/24/14 9:45	0.2	21
9/24/14 10:00	0.2	14
9/24/14 10:15	0.2	15
9/24/14 10:30	0.2	9
9/24/14 10:45	0.2	10
9/24/14 11:00	0.1	10
9/24/14 11:15	0.1	17
9/24/14 11:30	0.1	12
9/24/14 11:45	0.1	8
9/24/14 12:00	0.1	8
9/24/14 12:15	0.1	9
9/24/14 12:30	0.1	NoData
9/25/14 8:00	0	16
9/25/14 8:15	0	17

Table 2: Real-time PM_{10} and TVOC Data Listing for Downwind Receptor.

Date & Time	TVOC	PM10
	ppm	ug/m3
9/25/14 8:30	0.2	76
9/25/14 8:45	InVld	35
9/25/14 9:00	InVld	105
9/25/14 9:15	InVld	123
9/25/14 9:30	InVld	71
9/25/14 9:45	InVld	32
9/25/14 10:00	InVld	21
9/25/14 10:15	InVld	27
9/25/14 10:30	InVld	24
9/25/14 10:45	InVld	35
9/25/14 11:00	InVld	65
9/25/14 11:15	InVld	15
9/25/14 11:30	InVld	10
9/25/14 11:45	InVld	9
9/25/14 12:00	InVld	11
9/25/14 12:15	InVld	18
9/25/14 12:30	InVld	11
9/25/14 12:45	InVld	10
9/25/14 13:00	InVld	12
9/25/14 13:15	InVld	15
9/25/14 13:30	InVld	17
9/25/14 13:45	InVld	13
9/25/14 14:00	InVld	12
9/25/14 14:15	InVld	22
9/25/14 14:30	InVld	10
9/25/14 14:45	InVld	17
9/25/14 15:00	InVld	21
9/25/14 15:15	InVld	21
9/25/14 15:30	InVld	NoData
10/2/14 7:30	0	41
10/2/14 7:45	0	40
10/2/14 8:00	0.3	34
10/2/14 8:15	InVld	39
10/2/14 8:30	InVld	40
10/2/14 8:45	InVld	37
10/2/14 9:00	0	34
10/2/14 9:15	0	34
10/2/14 9:30	0	31
10/2/14 9:45	0	29
10/2/14 10:00	0	24
10/2/14 10:15	0	23
10/2/14 10:30	0	24
10/2/14 10:45	0	27
10/2/14 11:00	0	24
10/2/14 11:15	0	22
10/2/14 11:30	0	19
10/2/14 11:45	0	22

Table 2: Real-time PM_{10} and TVOC Data Listing for Downwind Receptor.

Date & Time	TVOC	PM10
	ppm	ug/m3
10/2/14 12:00	0	26
10/2/14 12:15	0	19
10/2/14 12:30	0	21
10/2/14 12:45	0	22
10/2/14 13:00	0	29
10/2/14 13:15	0	21
10/2/14 13:30	0	19
10/2/14 13:45	0	20
10/2/14 14:00	0	20
10/2/14 14:15	0	25
10/2/14 14:30	0	24
10/2/14 14:45	0	26
10/2/14 15:00	0	28
10/2/14 15:15	0	26
10/2/14 15:30	0	29
10/2/14 15:45	0	28
10/2/14 16:00	0	27
10/2/14 16:15	0	28


World • United States • NY • Erie Co. • Lancaster
Predominant wind direction
(Blue arrow)
VOC soil IRM
(Red square)
Closest downwind receptor
(Green circle)
Closest downwind resident
(Yellow circle)
100 feet
25 m
© 2014 Microsoft Corporation Pictometry Bird's Eye © 2012 MDA Geospatial Services Inc

APPENDIX D

Weekly Field Summary Reports

Zack, Dino

From: Zack, Dino
Sent: Friday, September 12, 2014 5:39 PM
To: Rixman, Stuart (srixman@TYCO.COM); Glenn May (gmmay@gw.dec.state.ny.us)
Cc: Janeczek, Joseph (jjaneczek@tyco.com); Steve Marchetti (smarchetti@matrixbiotech.com); Stahle, Keith; Laity, Emily; Kaczor, James; Jennifer.Davide@zodiacaerospace.com; 'Gregory Sutton' (gpsutton@gw.dec.state.ny.us); kevin.glaser@dec.ny.gov
Subject: Lancaster - Former Scott Aviation Facility BCP IRM status week ending 091214
Attachments: Former Scott Aviation BCP IRM RAWP storm sewer and excavation tracking 091214.pdf; Table 1 - Confirmation Soil Metals 091214.xlsx

Good afternoon-

Below is a brief summary of work completed at the Lancaster - Former Scott Aviation Facility BCP IRM for the week ending 091214. Attached are the confirmatory sample data summary table and tracking figures that correspond to the summary below.

- DPT8-1 Metals IRM
  - Excavation to 2 ft bgs complete per design; no elevated PID reading observed.
  - Confirmatory side wall sample on the south exceeded commercial metals standards; north and east sidewall confirmatory samples and bottom confirmatory sample were below commercial metals standards.

- DPT8-2 Metals IRM
  - Excavation to 2 ft bgs complete per design; no elevated PID reading observed.
  - Confirmatory sample data pending.

- MW-41B Metals IRM
  - Excavation to 1 ft bgs complete per design; no elevated PID reading observed.
  - Confirmatory sample data pending.

- VOC IRM
  - Excavation to 8 ft bgs complete per design.
  - Elevated PID readings observed on side walls and bottom head space samples observed following excavation to design limits.
  - Per AECOM phone conversation with NYSDEC on 9/9/14; due to the depth of observed elevated PID readings below average groundwater shallow elevations, an additional 1-2 feet of soil was to be removed from sidewalls and bottom, followed by collection of characterization soil samples, addition of soil amendment, and backfill.
  - An additional 1-2 feet of soil was removed from the sidewalls and an additional 2 feet of soil was removed from the bottom.
  - Characterization samples for VOC analysis were collected from the four sidewalls and bottom of the excavation; characterization sample data pending.
  - 270 pounds Klozur® CR was placed at the bottom of the excavation prior to backfill.

- Stormwater Pipe IRM
  - The perforated pipe between CB-W and CB-2 was replaced with a solid pipe.

- Pipe joints between CB-W and CB-2 were sealed; excavations will be backfilled next week following curing of the pipe joint sealing compound.
- Pipe joints within the >20 ug/L TVOC groundwater plume between CB-1 and CB-2 were sealed; excavations will be backfilled next week following curing of the pipe joint sealing compound.
- One pipe joint between CB-2 and CB-3 was sealed; the remaining pipe joint was exposed but not yet sealed.
- Pipes entering catch basins CB-W, CB-2, and CB-3 were sealed.
- Two impermeable "dams" were installed north and west of CB-2 (note, all pipe joints sealings extended though pipe bedding into native silty clay and will also perform as impermeable "dams".

- DER-10 samples were collected from off-site soil borrow pit.

- TCLP samples were collected from excavated soils from the DPT8-1 Metals IRM, DPT8-1 Metals IRM, MW-41B Metals IRM, and VOC IRM to determine landfill disposal options.

- CAMP ran continuously during all intrusive activities; no exceedances were recorded.

- No construction was collected/treated.

- All open excavations are protected with high visibility fencing.

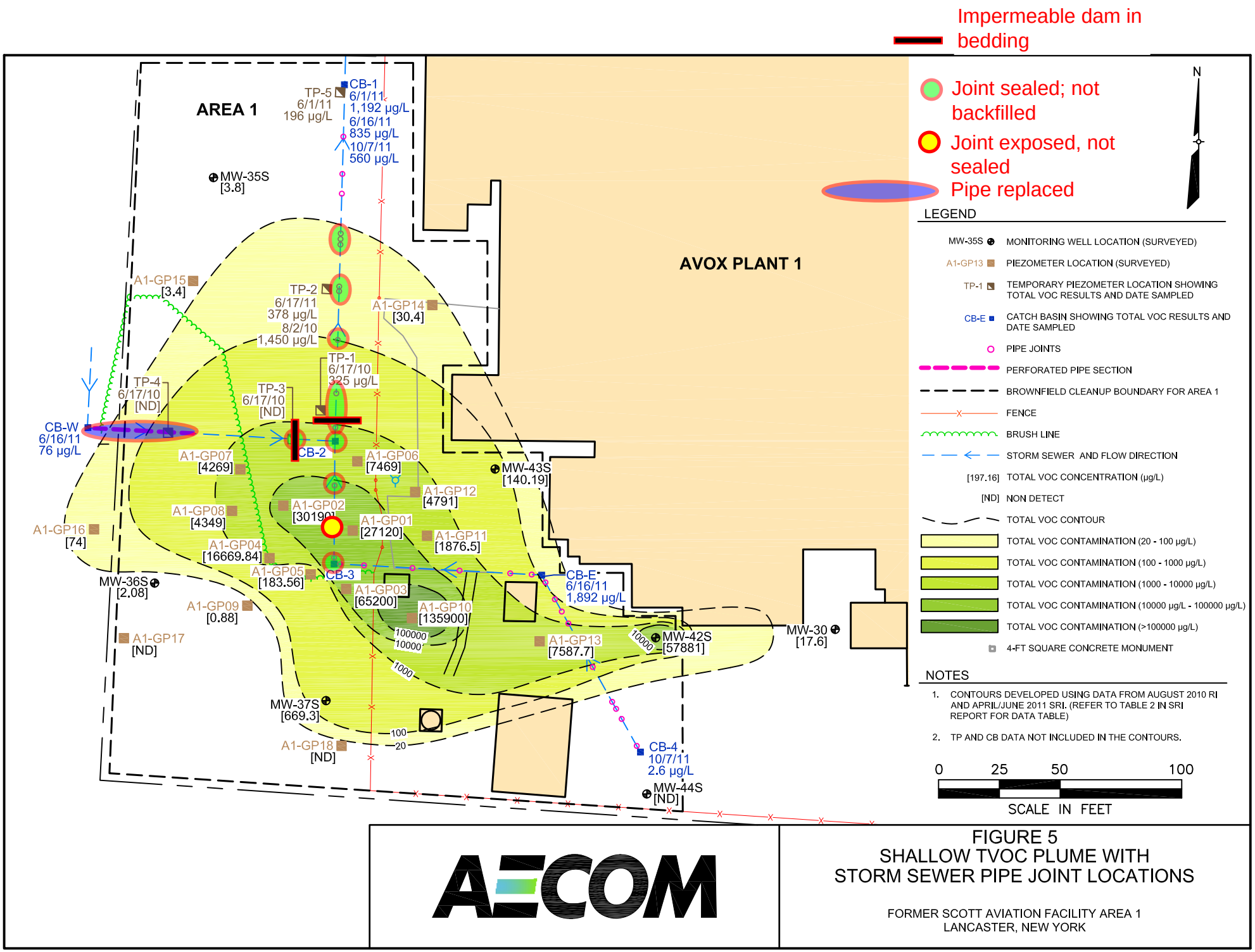
- All soil stockpiles are on plastic sheeting and covered with plastic sheeting.

Please contact me with any questions.

Have a nice weekend,
Dino

Dino Zack, P.G.
Project Manager - Geologist
D 716.836.4506 x15 M 716.866.8222
dino.zack@aecom.com

AECOM
100 Corporate Parkway, Suite 341, Amherst, NY 14226

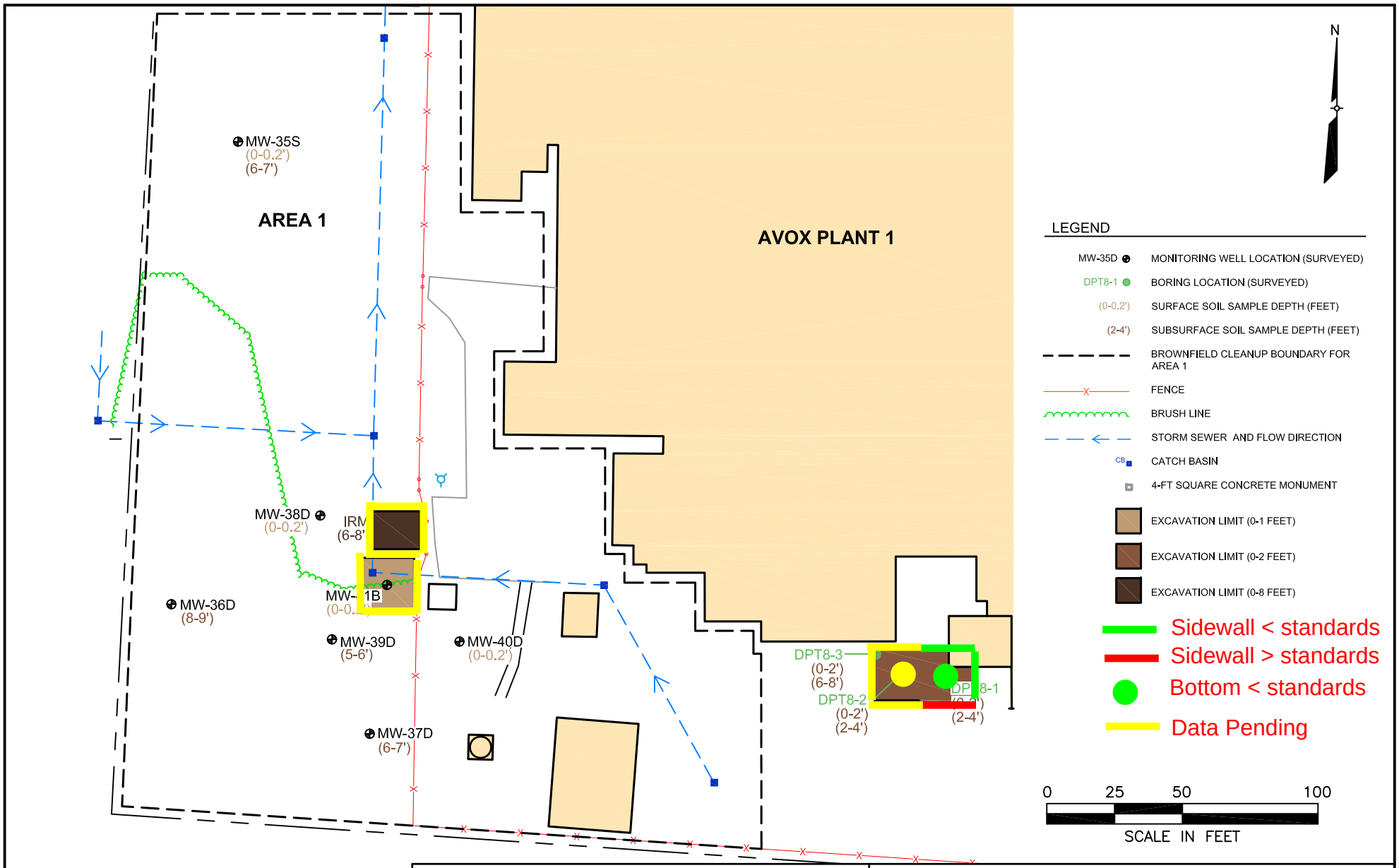


AECOM

FIGURE 5
SHALLOW TVOC PLUME WITH STORM SEWER PIPE JOINT LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_108 Shallow TVOC Plume w Storm Sewer Pipe Joint Locs.dwg, 5/28/2014 3:34:08 PM, splawnm



AECOM

FIGURE 7
PROPOSED EXCAVATION AREAS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_110 Proposed Excavation Areas.dwg, 5/28/2014 3:23:06 PM, splawnm

Table 4
Surface Soil Metals Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	Protection of Public Health Commercial Use	DPT8-SW-1 (0-2) 480-66855-5 9/8/2014		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		DPT8-2-NW-1 (0-2) 480-66937-1 9/9/2014	
Aluminum	NL	14800		15200		18400		16200			
Antimony	NL	1.1	J	19.5	U	0.62	J	0.93	J		
Arsenic	16	8.5		7.6		6.3		4.9			
Barium	400	109	B	96.4	B	106	B	118	B		
Beryllium	590	0.68		0.71		0.67		0.79			
Cadmium	9.3	**23.3**		0.43		0.54		0.4			
Calcium	NL	33500	B	2100	B	2040	B	3060	B		
Chromium	1500	42.3		31.1		69		30.8			
Cobalt	NL	18.6		12.8		13.7		10.5			
Copper	270	**724**		15.2		11		30.9			
Iron	NL	24100	B	25400	B	27600	B	24000	B		
Lead	1,000	65.3		21.8		19		22.1			
Magnesium	NL	12500	B	3270	B	3880	B	5350	B		
Manganese	10,000	564	B	413	B	397	B	141	B		
Total Mercury	2.8	0.61		0.061		0.056		0.041			
Nickel	310	40.1		18.2		17.9		26.7			
Potassium	NL	2260		1500		1590		2180			
Selenium	1,500	4.6	U	5.2	U	5.3	U	5.2	U		
Silver	1,500	0.7	U	0.78	U	0.8	U	0.79	U		
Sodium	NL	196		372		190		175	J		
Thallium	NL	7	U	7.8	U	8	U	7.9	U		
Vanadium	NL	27		32		36.4		29.2			
Zinc	10,000	373	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.

AECOM

Zack, Dino

Subject: FW: Lancaster - Former Scott Aviation Facility BCP IRM status week ending 091914
Attachments: IRM data 091914.xlsx; Former Scott Aviation BCP IRM RAWP storm sewer and excavation tracking 091914.pdf

From: Zack, Dino
Sent: Friday, September 19, 2014 11:30 AM
To: Rixman, Stuart (srixman@TYCO.COM); Glenn May (gmmay@gw.dec.state.ny.us)
Cc: Janeczek, Joseph (jjaneczek@tyco.com); Steve Marchetti (smarchetti@matrixbiotech.com); Stahle, Keith; Laity, Emily; Kaczor, James; Jennifer.Davide@zodiacaerospace.com; 'Gregory Sutton' (gpsutton@gw.dec.state.ny.us); kevin.glaser@dec.ny.gov
Subject: Lancaster - Former Scott Aviation Facility BCP IRM status week ending 091914

Good morning-

Below is a brief summary of work completed at the Lancaster - Former Scott Aviation Facility BCP IRM for the week ending 091914. Attached are the confirmatory sample data summary table and tracking figures that correspond to the summary below.

- DPT8-1 Metals IRM
  - Additional excavation of south side wall was completed on 9/15/14 as a result of a failed confirmation sample; no elevated PID readings were observed during excavation.
  - Confirmatory sidewall sample collected from the south sidewall, following additional excavation, met commercial metals standards.
  - Excavation complete and will be backfilled week of 9/22/14.

- DPT8-2 Metals IRM
  - Additional excavation of north side wall was completed on 9/15/14 as a result of a failed confirmation sample; no elevated PID readings were observed during excavation.
  - Confirmatory sidewall sample on the north sidewall, following additional excavation, met Commercial metals standards.
  - Excavation complete and will be backfilled week of 9/22/14.

- MW-41B Metals IRM
  - Confirmatory samples met Commercial metals standards.
  - Excavation complete and will be backfilled week of 9/22/14.

- VOC IRM
  - Characterization soil sample data received from sidewalls and bottom of excavation.
  - DER-10 re-use soil samples from 0-6 foot stockpile met Unrestricted standards for all criteria.
  - Excavation complete and will be backfilled week of 9/22/14 with 0-6 foot stockpile soil.

- Stormwater Pipe IRM
  - All but two identified pipe joints within the >20 ug/L TVOC groundwater plume have been sealed.
  - Pipes entering catch basins have been sealed.
  - Seven impermeable “dams” were installed north and west of CB-2 (note, all pipe joints sealings extended though pipe bedding into native silty clay and will also perform as impermeable “dams”).
  - Following receipt and review of DER-10 analytical data from the 0-2 foot and 2-6 foot soil stockpiles generated during pipe joint excavations, the excavations will be backfilled.

- DER-10 samples were collected from off-site soil borrow pit and met the backfill reuse criteria.
- TCLP sample data from excavated soils from the DPT8-1 Metals IRM, DPT8-1 Metals IRM, MW-41B Metals IRM, and VOC IRM to determine landfill disposal options is pending.
- CAMP ran continuously during all intrusive activities; no exceedances were recorded.
- No construction was collected/treated.
- All open excavations are protected with high visibility fencing.
- All soil stockpiles are on plastic sheeting and covered with plastic sheeting.

Please contact me with any questions.

Have a nice weekend,
Dino

Dino Zack, P.G.
Project Manager - Geologist
D 716.836.4506 x15 M 716.866.8222
dino.zack@aecom.com

AECOM
100 Corporate Parkway, Suite 341, Amherst, NY 14226

Table 1
Metals Confirmation Results
Scott Aviation 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		DPT8-2-NW-1 (0-2) 480-66937-1 9/9/2014	
Aluminum	7429-90-5	NL	14800		12600		15200		18400		16200		13200	
Antimony	7440-36-0	NL	1.1	J	18	U	19.5	U	0.62	J	0.93	J	0.5	U
Arsenic	7440-38-2	16	8.5		7.2		7.6		6.3		4.9		7.2	
Barium	7440-39-3	400	109	B	82	B	96.4	B	106	B	118	B	77.1	
Beryllium	7440-41-7	590	0.68		0.62		0.71		0.67		0.79		0.65	
Cadmium	7440-43-9	9.3	**23.3**		8.5		0.43		0.54		0.4		0.54	
Calcium	7440-70-2	NL	33500	B	47100	B	2100	B	2040	B	3060	B	2070	B
Chromium	7440-47-3	1500	42.3		73.7		31.1		69		30.8		27.9	
Cobalt	7440-48-4	NL	18.6		9.7		12.8		13.7		10.5		10.7	
Copper	7440-50-8	270	**724**		174		15.2		11		30.9		**331**	
Iron	7439-89-6	NL	24100	B	21200		25400	B	27600	B	24000	B	23300	
Lead	7439-92-1	1,000	65.3		41		21.8		19		22.1		26	
Magnesium	7439-95-4	NL	12500	B	15200		3270	B	3880	B	5350	B	2800	
Manganese	7439-96-5	10,000	564	B	429	B	413	B	397	B	141	B	639	B
Total Mercury	7439-97-6	2.8	0.61		0.067		0.061		0.056		0.041		0.067	
Nickel	7440-02-0	310	40.1		32.3		18.2		17.9		26.7		37.1	
Potassium	7440-09-7	NL	2260		2120		1500		1590		2180		1470	
Selenium	7782-49-2	1,500	4.6	U	4.8	U	5.2	U	5.3	U	5.2	U	1	J
Silver	7440-22-4	1,500	0.7	U	0.72	U	0.78	U	0.8	U	0.79	U	0.25	U
Sodium	7440-23-5	NL	196		169		372		190		175	J	132	J
Thallium	7440-28-0	NL	7	U	7.2	U	7.8	U	8	U	7.9	U	0.37	U
Vanadium	7440-62-2	NL	27		22.8		32		36.4		29.2		27.9	
Zinc	7440-66-6	10,000	373	B	147	B	70.5	B	78.4	B	88.7	B	89.5	B

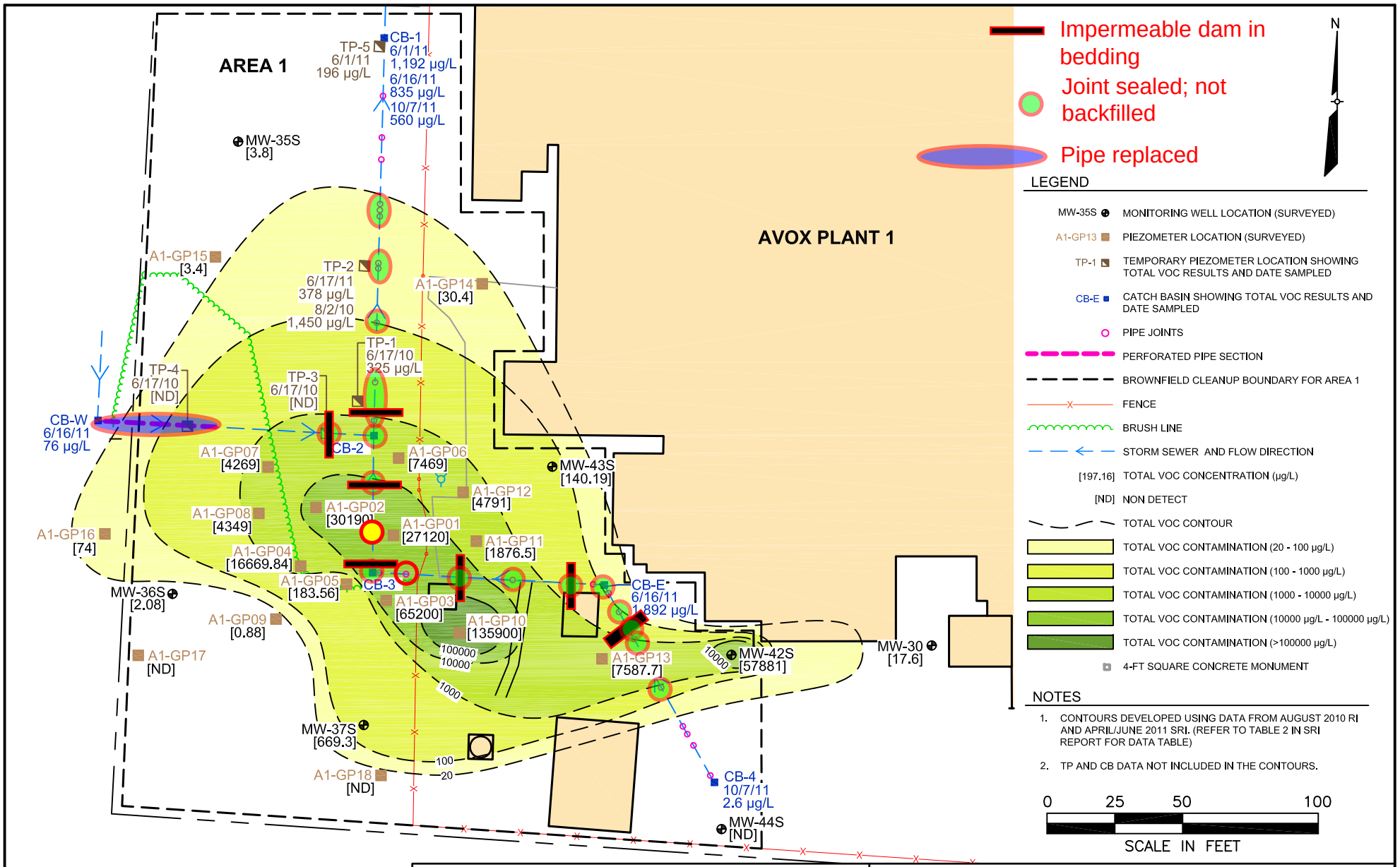
Notes:
NL = Not Listed
NA = Not analyzed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Shaded/Bold value - compound detected at concentration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

AECOM

Table 2
Import Fill Results
Scott Aviation BCP Site

Sample Designation Laboratory Identification Date Sampled	CAS Number	Unrestricted Use	Protection of Public Health				Protection of Ecological Resources	Protection of Groundwater	IMPORT FILL-1 480-668551 9/8/2014	
			Residential	Restricted-Residential	Commercial	Industrial				
Organochlorine Pesticides (mg/Kg)										
4,4'-DDD	72-54-8	0.0033	2.6	13	92	180	0.0033	14	**0.0054**	**J**
4,4'-DDE	72-55-9	0.0033	1.8	8.9	62	120	0.0033	17	**0.017**	
4,4'-DDT	50-29-3	0.0033	1.7	7.9	47	94	0.0033	136	**0.028**	
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.006	0.1	**0.019**	
Metals (mg/Kg)										
Zinc	7440-66-6	109	2200	10,000	10,000	10,000	109	2,480	**120**	**B**

Notes:
J = The associated numerical value is an estimated quantity.
B = Compound was found in blank and sample.
Bold value - compound detected at concentration greater than Unrestricted Use.
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

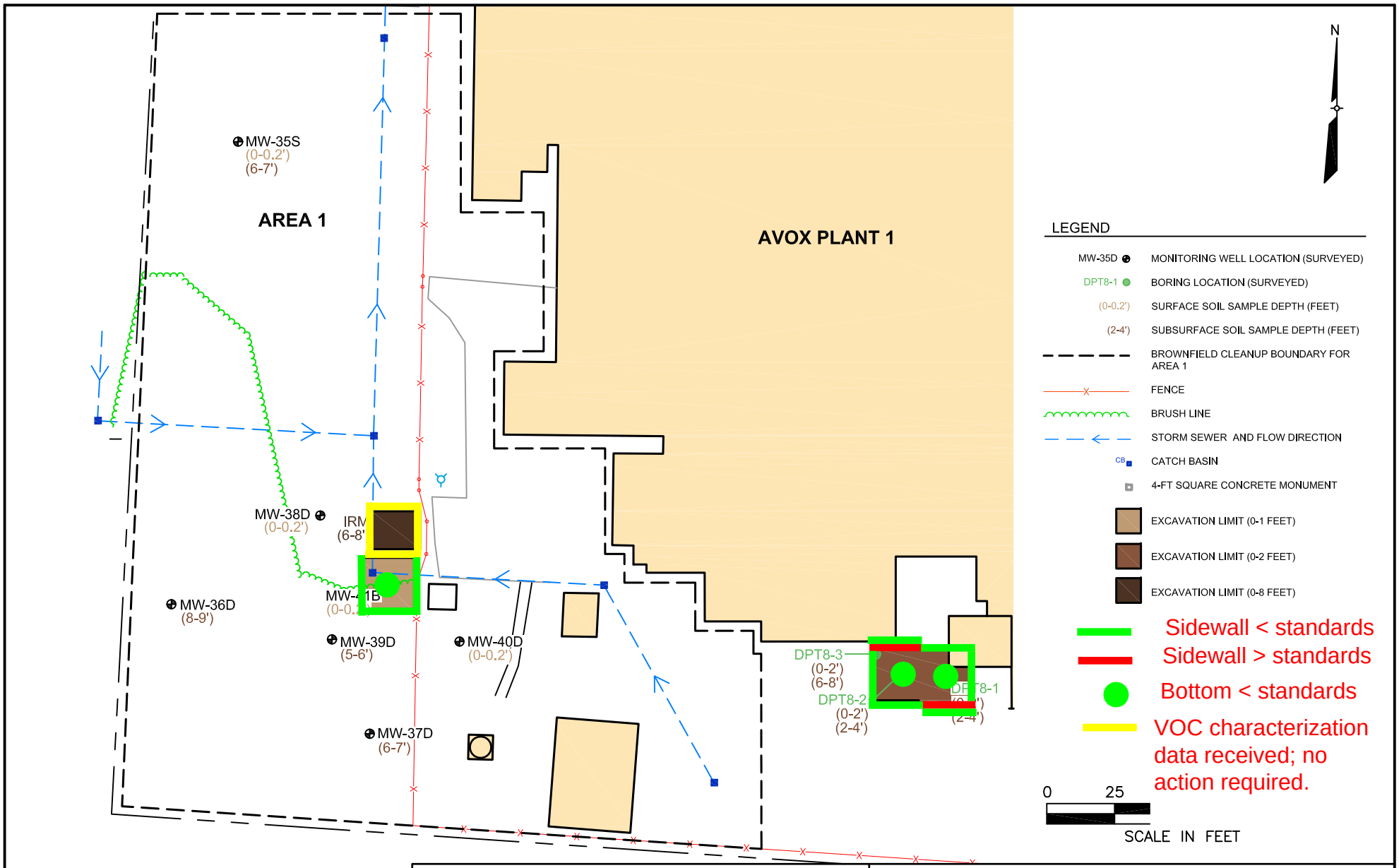


AECOM

FIGURE 5
SHALLOW TVOC PLUME WITH STORM SEWER PIPE JOINT LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_108 Shallow TVOC Plume w Storm Sewer Pipe Joint Locs.dwg, 5/28/2014 3:34:08 PM, splawnm



AECOM

FIGURE 7
PROPOSED EXCAVATION AREAS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_110 Proposed Excavation Areas.dwg, 5/28/2014 3:23:06 PM, splawnm

Zack, Dino

Subject: FW: Lancaster - Former Scott Aviation Facility BCP IRM status week ending 091914
Attachments: Former Scott Aviation BCP IRM RAWP storm sewer and excavation tracking 092614.pdf

From: Zack, Dino
Sent: Friday, September 26, 2014 1:33 PM
To: Rixman, Stuart (srixman@TYCO.COM); Glenn May (gmmay@gw.dec.state.ny.us)
Cc: Janeczek, Joseph (jjaneczek@tyco.com); Steve Marchetti (smarchetti@matrixbiotech.com); Stahle, Keith; Laity, Emily; Kaczor, James; Jennifer.Davide@zodiacaerospace.com; 'Gregory Sutton' (gpsutton@gw.dec.state.ny.us); kevin.glaser@dec.ny.gov; cmd16@health.state.ny.us
Subject: RE: Lancaster - Former Scott Aviation Facility BCP IRM status week ending 092614

Good afternoon-

Below is a brief summary of work completed at the Lancaster - Former Scott Aviation Facility BCP IRM for the week ending 092614. Attached are the tracking figures that correspond to the summary below. Note analytical data reports can be provided at this time if requested; the data collected during the IRM will be presented in the IRM completion report.

- DPT8-1 Metals IRM
  - Confirmatory sidewall sample collected from the south sidewall, following additional excavation, met commercial metals standards.
  - Excavation complete and was backfilled on 9/23/14 with imported backfill (previously tested and approved for use).

- DPT8-2 Metals IRM
  - Confirmatory sidewall sample on the north sidewall, following additional excavation, met Commercial metals standards.
  - Excavation complete and was backfilled on 9/23/14 with imported backfill (previously tested and approved for use).

- MW-41B Metals IRM
  - Confirmatory samples met Commercial metals standards.
  - Excavation complete and was backfilled on 9/23/14 with imported backfill (previously tested and approved for use).

- VOC IRM
  - DER-10 re-use soil samples from 0-6 foot stockpile met backfill requirements and was placed back into the VOC IRM excavation on 9/24/14.
  - Imported backfill (previously tested and approved for use) was used to complete backfill on 9/25/14.

- Stormwater Pipe IRM
  - The remaining two identified stormwater pipe joints within the >20 ug/L TVOC groundwater plume were sealed on 9/24/14 as well as the pipe penetrations at catch basin CB-3.
  - A total of seven impermeable “dams” were installed at strategic locations within the stormwater piping network.
  - DER-10 re-use soil samples from the 0-2 foot and 2-6 foot soil stockpiles generated during stormwater pipe joint and catch basin excavations met backfill requirements and was placed back into the stormwater pipe joint excavations.

- TCLP sample data from excavated soils from the DPT8-1 Metals IRM, DPT8-1 Metals IRM, MW-41B Metals IRM, and VOC IRM was received from the laboratory and determined to be non-hazardous. The waste profile has been completed, signed, and submitted to the landfill; following landfill approval the waste profile will be submitted to NYSDEC.

- Non-hazardous waste soil stockpiles are on plastic sheeting and covered with plastic sheeting; shipment of non-hazardous waste soil to landfill is scheduled for 9/30/14.

- CAMP ran continuously during all intrusive and soil moving activities; no exceedances were recorded; CAMP will continue during loading of non-hazardous waste soil for shipment to landfill.

- No construction water was generated/collected/treated.

- All open excavations were protected with high visibility fencing as needed prior to backfill.

- Restoration of the excavated areas are ongoing.; only seeding (grass) and asphalt are remaining. Grass seeding is scheduled for 9/30/14. Paving is tentatively scheduled for the week of 10/13/14.

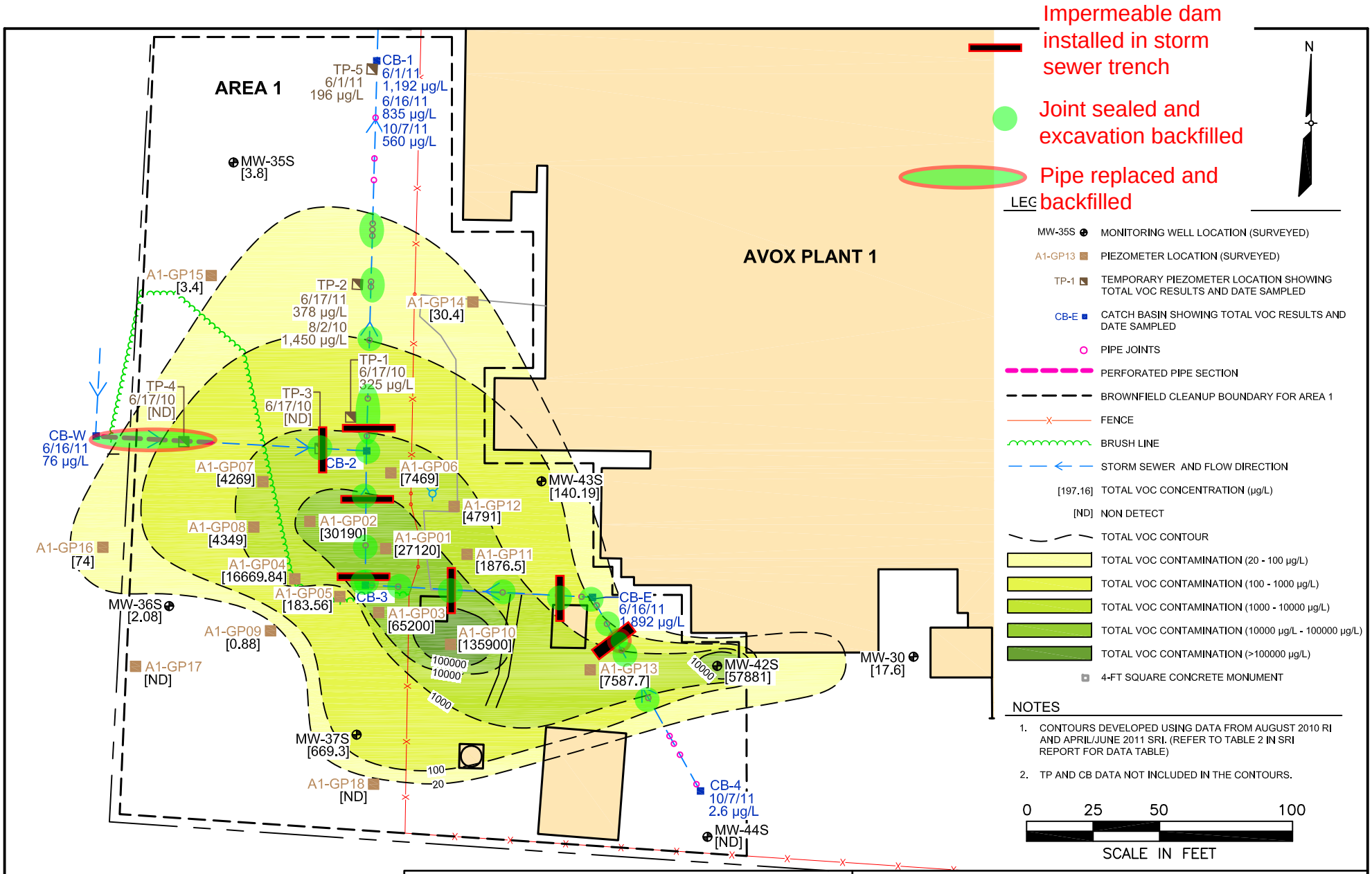
- SSD system communication testing of the boiler room was completed on 9/23/14; the design is currently being completed and will be submitted to NYSDXEC for approval prior to installing SSD system. Testing is scheduled to continue on 9/30/14. The SSD system design is tentatively scheduled for submittal is one to two weeks following the second round of testing.

Please contact me with any questions.

Have a nice weekend,
Dino

Dino Zack, P.G.
Project Manager - Geologist
D 716.836.4506 x15 M 716.866.8222
dino.zack@aecom.com

AECOM
100 Corporate Parkway, Suite 341, Amherst, NY 14226

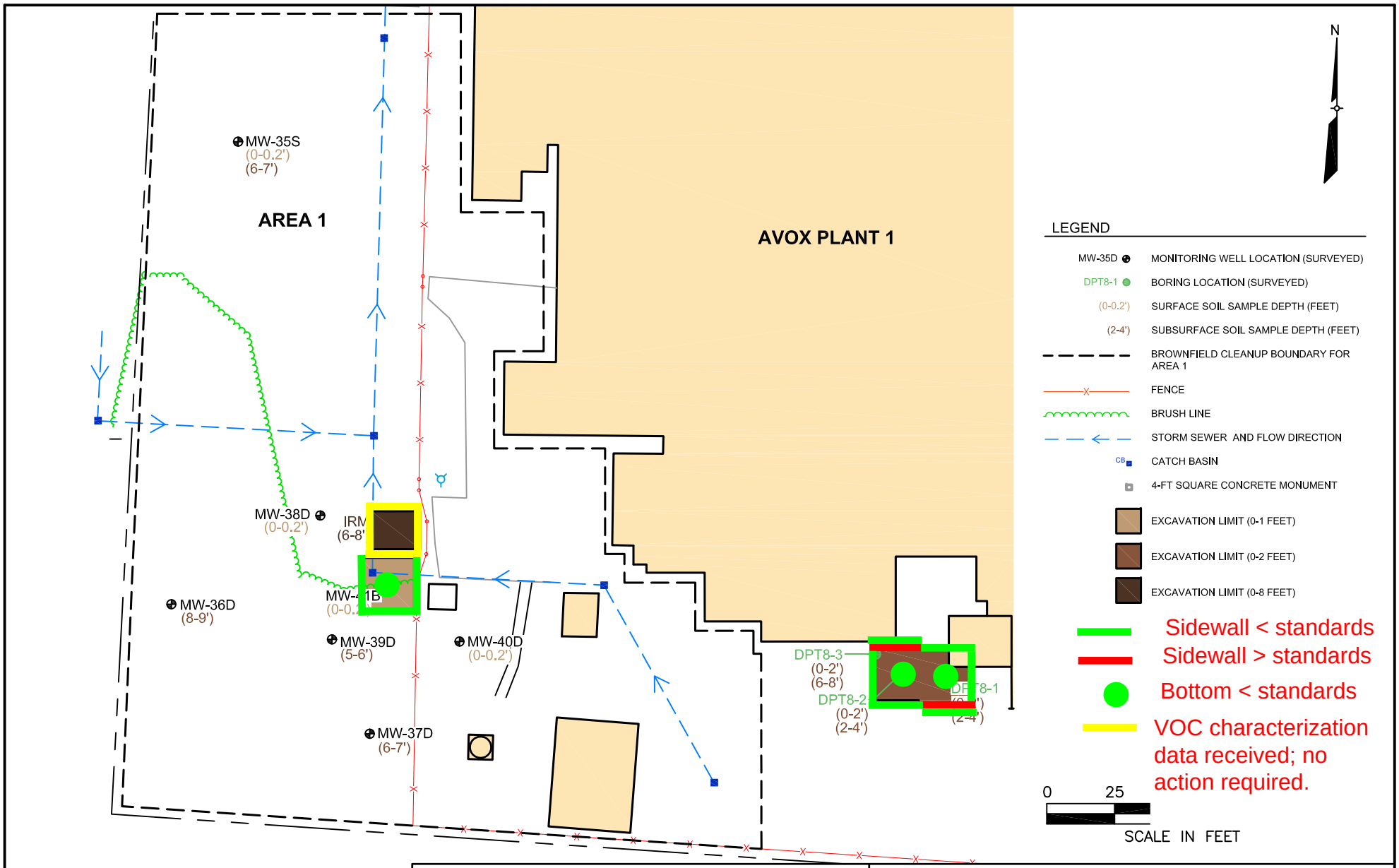


AECOM

FIGURE 5
SHALLOW TVOC PLUME WITH STORM SEWER PIPE JOINT LOCATIONS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_108 Shallow TVOC Plume w Storm Sewer Pipe Joint Locs.dwg, 5/28/2014 3:34:08 PM, splawnm



AECOM

FIGURE 7
PROPOSED EXCAVATION AREAS

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

L:\work\60147012\CADD\60155991_110 Proposed Excavation Areas.dwg, 5/28/2014 3:23:06 PM, splawnm

Zack, Dino

Subject: FW: Lancaster - Former Scott Aviation Facility BCP IRM status week ending 10/03/14

From: Zack, Dino
Sent: Friday, October 03, 2014 1:27 PM
To: Rixman, Stuart (srixman@TYCO.COM); Glenn May (gmmay@gw.dec.state.ny.us)
Cc: Janeczek, Joseph (jjaneczek@tyco.com); Steve Marchetti (smarchetti@matrixbiotech.com); Stahle, Keith; Laity, Emily; Kaczor, James; Jennifer.Davide@zodiacaerospace.com; 'Gregory Sutton' (gpsutton@gw.dec.state.ny.us); kevin.glaser@dec.ny.gov; cmd16@health.state.ny.us
Subject: Lancaster - Former Scott Aviation Facility BCP IRM status week ending 10/03/14

Good afternoon-

Below is a brief summary of work completed at the Lancaster - Former Scott Aviation Facility BCP IRM for the week ending 10/03/14.

- TCLP sample data from excavated soils from the DPT8-1 Metals IRM, DPT8-1 Metals IRM, MW-41B Metals IRM, and VOC IRM was received from the laboratory during the week of 9/22/14and determined to be non-hazardous. The waste profile was approved by the landfill and NYSDEC during the week of 9/29/14.

- On 10/2/14, non-hazardous soil stockpiles were loaded into trucks by Matrix and transported by Pariso Logistics (EPA ID Number 9A 826) and transported to Town of Tonawanda Landfill (non-hazardous landfill) for disposal. 12 trucks were loaded with an approximate 300 tons soil.

- CAMP ran continuously during all soil loading activities; no exceedances were observed or recorded.

- No construction water was generated/collected/treated.

- Restoration of the excavated areas are ongoing; seeding (grass) was completed on 10/2/14. Only asphalt patching is remaining. Completion of the restoration is tentatively scheduled for the week of 10/13/14.

- Sub slab vapor communication data collected last week is being evaluated to determine the proper specifications required to complete the SSD system design. The draft SSD system design is scheduled to be completed during the week of 10/06/14 and will be submitted to NYSDEC for approval prior to installing the SSD system.

Please contact me with any questions.

Have a nice weekend,
Dino

Dino Zack, P.G.
Project Manager - Geologist
D 716.836.4506 x15 M 716.866.8222
dino.zack@aecom.com

AECOM
100 Corporate Parkway, Suite 341, Amherst, NY 14226

APPENDIX E

Photograph Log

AECOM

Interim Remedial Measure
Construction Completion Report
Photograph Log

Client Name: Tyco International **Project No.:** 60155991	**Site Location:** Former Scott Aviation Facility Area - 1 BCP, Lancaster, New York	**NYSDEC Project No.: C915233**

Photo No.	**Date:**
1	3/11/14

Direction Photo Taken:

West

Description:

Video Survey at CB-2; storm water flowing south (left) to north (right).

Photo No.	**Date:**
2	3/11/14

Direction Photo Taken:

North

Description:

Pre Excavation Conditions:

View in catch basin CB-3 prior to being sealed.

Photo No. 3	Date: 5/30/14
Direction Photo Taken: North	
Description: Pre Excavation Conditions: Open grassy area looking from CB-2 toward CB-1. Note white PVC piezometers which are screened in the storm sewer bedding.	

Photo No. 4	Date: 5/30/14
Direction Photo Taken: Southeast	
Description: Pre Excavation Conditions: Grass and shrub area South of CB-2 looking toward the historic VOC IRM and MW-41B metals IRM excavation areas.	

Photo No. 5	Date: 5/30/14
Direction Photo Taken: West	
Description: Pre Excavation Conditions: Note CB-E next to brown block building.	

Photo No. 6	Date: 7/18/14
Direction Photo Taken: East	
Description: Pre Excavation Conditions: Excavation area demarcated for DPT8 metals IRM excavation.	

Photo No. 7	Date: 7/18/14
Direction Photo Taken: West	
Description: Pre Excavation Conditions: Excavation area demarcated for DPT8 metals IRM excavation.	

Photo No. 8	Date: 9/8/14
Direction Photo Taken: Northwest	
Description: View of metals IRM excavation area DPT8.	

Photo No. 9	Date: 9/9/14
Direction Photo Taken: North	
Description: View of metals IRM excavation area DPT8.	

Photo No. 10	Date: 9/9/14
Direction Photo Taken: NNE	
Description: View in of MW-41B metals IRM excavation area. CB-3 in center of picture with MW-41B and A1GP-03 to east of catch basin.	

Photo No. 11	Date: 9/10/14
Direction Photo Taken: East	
Description: Excavation of storm sewer piping between CB-3 and CB-2. VOC IRM excavation on the right edge of photo,	

Photo No. 12	Date: 9/11/14
Direction Photo Taken: North	
Description: VOC IRM excavation. Mixing in Klozur CR compound into groundwater accumulated in excavation.	

Photo No. 13	Date: 9/9/14
Direction Photo Taken: West	
Description: Looking toward CB-W. Replacing perforated storm sewer pipe between CB-3 and CB-W with solid-walled pipe.	

Photo No. 14	Date: 9/11/14
Direction Photo Taken: East	
Description: View of catch basin CB-2 storm sewer pipe excavation.	

Photo No. 15	Date: 9/15/14	
Direction Photo Taken: SW		
Description: View of catch basin CB-2; sealed storm sewer piping in trench and impermeable “dam” around storm sewer pipe and through pipe bedding.		

Photo No. 16	Date: 9/16/14	
Direction Photo Taken: South		
Description: View of excavation trench between catch basin CB-E and CB-4.		

Photo No. 17	Date: 9/16/14
Direction Photo Taken: West.	
Description: View of excavated storm sewer trench. CB-E in foreground.	

Photo No. 18	Date: 9/17/14
Direction Photo Taken: Northwest	
Description: Grouting storm sewer pipe joints.	

Photo No. 19	Date: 9/17/14
Direction Photo Taken: South	
Description: Grouting in storm sewer pipe joints between CB-E and CB-4.	

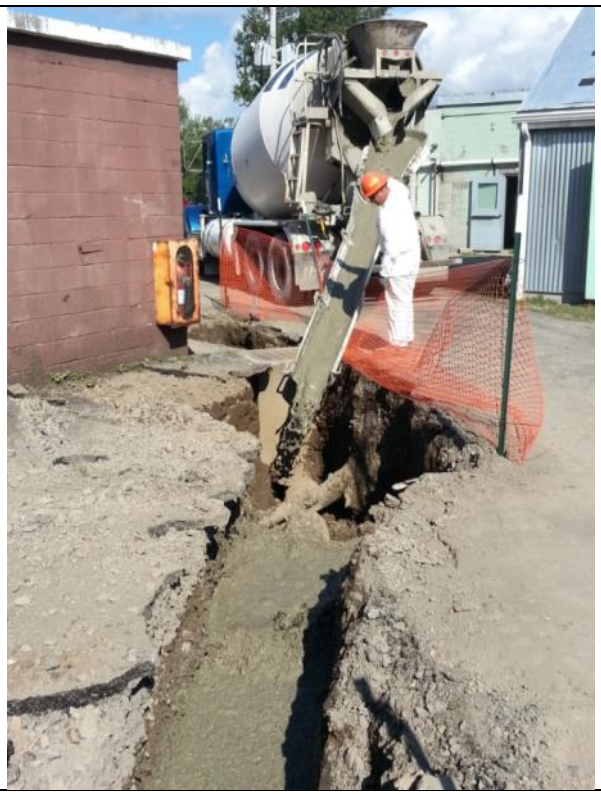


Photo No. 20	Date: 9/17/14
Direction Photo Taken: Northeast	
Description: Grouting in storm sewer pipe joints between CB-E and CB-3.	

Photo No. 21	Date: 9/23/14
Direction Photo Taken: North	
Description: SSD system communication testing location.	

Photo No. 22	Date: 9/23/14
Direction Photo Taken: South	
Description: View of sealed storm sewer piping in trench and impermeable “dam” around storm sewer pipe and through pipe bedding prior to backfilling.	

Photo No. 23	Date: 9/23/14
Direction Photo Taken: North	
Description: Excavation to seal around storm sewer pipe penetration into CB-3.	

Photo No. 24	Date: 9/24/14
Direction Photo Taken: Northwest	
Description: Seal around storm sewer pipe penetration into CB-3.	

Photo No. 25	Date: 9/24/14	
Direction Photo Taken: East		
Description: View inside CB-3 after seal installation around storm sewer pipe penetration into CB-3.		

Photo No. 26	Date: 9/24/14	
Direction Photo Taken: North		
Description: Grouted sewer pipe with impermeable dam between CB-3 and CB-E. MW-41B in foreground.		

Photo No. 27	Date: 9/24/14
Direction Photo Taken: South	
Description: View in from CB-E to CB-4. Backfilled with fill.	

Photo No. 28	Date: 9/24/14
Direction Photo Taken: South	
Description: Backfilled storm sewer piping from CB-1 to CB-3.	

Photo No. 29	Date: 9/24/14
Direction Photo Taken: North	
Description: View showing clean backfill soil (foreground) and soil for load out from IRM excavation areas (covered in plastic sheeting in background).	

Photo No. 30	Date: 9/24/14
Direction Photo Taken: Northwest	
Description: View showing stockpiled soil waiting for load out from DPT8 area.	

Photo No. 31	Date: 10/2/14
Direction Photo Taken: West	
Description: Backfilled storm water pipe trench from CB-4 to CB-E. Note CAMP station (downwind to active work area) in background.	

Photo No. 32	Date: 10/2/14
Direction Photo Taken: Northeast	
Description: Soil load out of DPT8 excavated soil.	

Photo No. 33	Date: 10/2/14
Direction Photo Taken: Southeast	
Description: Soil load out of IRM soil.	

Photo No. 34	Date: 10/2/14
Direction Photo Taken: East	
Description: Grading of DPT8 area with topsoil following backfill.	

Photo No. 35	Date: 10/2/14
Direction Photo Taken: Northeast	
Description: Seeding DPT8 area excavation following grading.	

Photo No. 36	Date: 10/2/14
Direction Photo Taken: East	
Description: Backfilled VOC IRM and MW-41B metals IRM excavation areas. Note CB-3 and MW-41B on right side of photo.	

Photo No. 37	Date: 10/2/14
Direction Photo Taken: South	
Description: Backfilled and graded grassy area west of AVOX Plant 1. Looking toward CB-2 and CB-3.	

Photo No. 38	Date: 10/2/14
Direction Photo Taken: West	
Description: Backfilled and graded grassy area west of AVOX Plant 1. Looking along the storm sewer piping between CB-2 and CB-W.	

APPENDIX F

Waste Disposal Documentation

New York State Department of Environmental Conservation
Division of Materials Management, Region 9
270 Michigan Avenue, Buffalo, New York 14203-2915
Phone: (716) 851-7220 **Fax:** (716) 851-7226
Website: www.dec.ny.gov

Joe Martens
Commissioner

October 1, 2014

Mr. Nicholas Morreale
EnSol, Inc.
661 Main Street
Niagara Falls, New York 14301

Dear Mr. Morreale:

Town of Tonawanda Landfill, #15S29
Alternate Grading Material (AGM) Request
Former Scott Aviation Facility Area 1 BCP
Waste Approval #14-3218-121T

This is in response to your letter dated September 29, 2014 requesting approval to accept non-hazardous soil generated at the above referenced site located at Former Scott Aviation Facility Area 1 BCP in Lancaster, New York. The material is proposed for use as AGM at the Town of Tonawanda landfill and you have estimated that 500 tons will be delivered to the landfill.

Your letter provided analytical data for the soil to be removed from this site. I have reviewed the information provided in your letter and the Department hereby approves this material to be accepted at the Town of Tonawanda landfill for use as alternate grading material. Placement and handling of the material must be in accordance with the Operations and Maintenance Manual, revised May 2001, prepared by EnSol, Inc.

Additionally, the Department's approval for the use of the above referenced material as AGM at the Town of Tonawanda landfill does not relieve the Town from having to comply with any other applicable local, state and/or federal requirements.

If you have any questions regarding this matter, please call me at (716) 851-7220.

Sincerely,

Beverly Lewinski

Beverly Lewinski
Environmental Engineer 1

BL/bb
ecc: Mr. Robert Morris, Town of Tonawanda
Mr. Dennis Weiss, P.E., Regional Materials Management Engineer

EnSol, Inc
661 Main Street
Niagara Falls, New York 14301
Phone (716)285-3920 Fax (716)285-3928

Disposal Location:
Tonawanda Landfill Closure

Project No: _14-3218-121T__

GENERATOR WASTE PROFILE SHEET
NON-HAZARDOUS CONTAMINATED SOIL

GENERATOR INFORMATION:
Generator Name: Tyco International/ Scott Aviation
Generator Street Address: 9 Roszel Road City: Princeton
State: New Jersey Zip Code: 08540 Phone: 609-216-0130
Generator Contact: Mr. Stuart I. Rixman

SITE INFORMATION:
Site Name: Former Scott Aviation Facility Area 1 BCP
Site Street Address: 225 Erie Street City: Lancaster
State: New York Zip Code: 14086 Phone: 716-836-4506 Ext. 15
Site Contact: Dino L. Zack NYSDEC Spill No.: BCP C915233

BILLING INFORMATION:
Customer Name: Matrix Environmental Technologies, Inc.
Customer Billing Address: P.O. Box 427, Orchard Park, New York 14127
Customer Contact: Steve Marchetti
Phone: 716-662-0745 Fax: 716-662-0946

WASTE STREAM INFORMATION:
Name of Waste: Non Hazardous Soil
Process Generating Waste: misc. site soils exceeding commercial SCO for Metals and VOC's

Estimated Annual Volume: Cubic Yards: _____ Tons: 500

Characteristic Components	% By Weight
1. Non Hazadous Soil	100%
2.	

Color: Brn/Blk Odor: None pH Range: 7.93 Flash Point: >200F
% Solids: 100 Physical State: __ Liquid __ Slurry __ Sludge X Solid
Is TCLP analysis attached: X Yes _ No Material is Non Hazardous: X Yes _ No

Name of Waste Transporter: Pariso Logistics
Address: 3649 River Road, Tonawanda, NY Phone: 716-875-6168
NYSDEC Permit No.: 9A 826

GENERATOR'S CERTIFICATION, I hereby affirm under penalty of perjury that the information and attachments provided on this form are true to the best of my knowledge and belief, and that the material represented by the above data is non-hazardous according to all state and federal requirements.

Representative and Title of Waste Generator

X STUART I. RIXMAN MANAGER, EHS	Stuart I. Rixman	09-24-14
PRINT WASTE GENERATOR NAME/TITLE	SIGNATURE	Date

Virgin Fuel Oil/Gasoline Spill Certification

X _____	_____	_____
PRINT WASTE GENERATOR NAME/TITLE	SIGNATURE	Date

EnSol Inc. Approval Agent

X _____	_____	_____
PRINT AGENT NAME AND TITLE	SIGNATURE	Date

WASTE MATERIAL CRITERIA SHEET
NON HAZARDOUS CONTAMINATED SOIL

This sheet is to be used as a cover page for analytical data

SITE INFORMATION:
Site Name:___ Former Scott Aviation Facility Area 1 BCP __
Site Street Address:_225 Erie Street___ City:_Lancaster_____
State:_New York__ Zip Code:_14086__ Phone: _716-836-4506 Ext. 15_
Site Contact:__Dino L. Zack___ NYSDEC Spill No.:_BCP C915233_____

WASTE TYPE: Non Hazardous Contaminated Soil

Soil Volume (see Testing Requirements below)

Total Estimated Volume: ___500_____Tons

Is soil analysis information provided for the following?

Ignitability

YES X Found on page ___9___ NO ½ Explain: _____

pH

YES X Found on page ___9___ NO ½ Explain: _____

TCLP - Benzene

YES X Found on page ___8___ NO ½ Explain**:** _____

TCLP - Lead

YES X Found on page ___8___ NO ½ Explain: _____

TPH

YES ½ Found on page _____ NO X Explain: _based on generator knowledge, not suspected__

Sample Type

X Composite Sample

½ Grab Sample (5 grab samples = 1 composite sample)

Testing Requirements:
A Chain of Custody must accompany all analytical data. There should be a minimum of 1 composite sample for 0 – 500 tons, 2 composite samples for 500 – 1000 tons and 1 composite sample for each additional 1000 tons.

WASTE MATERIAL CRITERIA SHEET
SPECIAL WASTE

This sheet is to be used as a cover page for analytical data

SITE INFORMATION:
Site Name:__ Former Scott Aviation Facility Area 1 BCP _____
Site Street Address:__225 Erie Street___ City:_Lancaster_____
State:_New York_ Zip Code:_14086__ Phone: _716-836-4506 Ext. 15__
Site Contact:__Dino L. Zack____ NYSDEC Spill No.:_BCP C915233_____

Source of Waste Contamination: ____Miscellaneous_site soils exceeding commercial SCO for Metals and VOC's

Is site a hazardous waste site cleanup, brown field site, historical industrial or commercial property, or some other type of cleanup project? YES ½ NO ½

(If yes, please include information from the project sponsor, contractor and/or the environmental consultant.)

Soil Volume (see Testing Requirements below)

Total Estimated Volume: ____500_____Tons

Is soil analysis information provided for the following?

TCLP - Volatiles
YES X Found on page ___8___ NO ½ Explain: _____

TCLP – Semi-volatiles
YES X Found on page ___8___ NO ½ Explain: _____

TCLP – Metals
YES X Found on page ___8___ NO ½ Explain: _____

TCLP – PCB's
YES ½ Found on page _____ NO X Explain: _Based on generator knowledge, not suspected

TC**LP – Herbicides and Pesticides**
YES ½ Found on page _____ NO X Explain: _Based on generator knowledge, not suspected
_____

Paint Filter or % Solids Test
YES ½ Found on page _____ NO X Explain: __100% Soil/Solid_____

MSDS Information

YES ½ Found on page _____ NO X Explain: __N/A_____

Sample Type

X Composite Sample

½ Grab Sample (5 grab samples = 1 composite sample)

Testing Requirements:
A Chain of Custody must accompany all analytical data. There should be a minimum of 1 composite sample for 0 – 500 tons, 2 composite samples for 500 – 1000 tons and 1 composite sample for each additional 1000 tons.

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # tusc

CUSTOMER NAME

TICKET # P103698

DATE 10/02/2014

TIME 09:01AM

DELIVERED

PICKED UP

JOB # ton. landfill

SHIP TO

CUSTOMER P.O. #

	70060 lb		
GROSS	23800 lb	POUNDS	MATERIAL
TARE	46260 lb	POUNDS	HAULING
NET	23.12 t	POUNDS	TAX
			TOTAL

PRODUCT Contaminated Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 21 TRUCKING CO.: Design

TRUCKER'S SIGNATURE Wm Wheeler

CUSTOMER 1

THURSDAY OCTOBER 2 4 TRUCKS 7:30 AM, 15 MIN Spread

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A
2. Page 1 of
3. Emergency Response Phone: 716-285-3920
4. Waste Tracking Number: ES-428756

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rimman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name: Pariso Logistics — 716-895-6166
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: Design 24
Truck Lic.: 24409 KA
Handling Codes:

Weight Ticket No.: 103698
Gross Weight: 70060
Tare Weight: 46280
, , , 23800

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (AECOM) on behalf of Tyco International/Scott Aviation
Signature: Emily Laity
Month: 10 Day: 02 Year: 14

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William K. Wheeler
Signature: William K. Wheeler
Month: 10 Day: 2 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 23.12
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number: 428756
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Tyler Sweet
Signature: Tyler Sweet
Month: 10 Day: 2 Year: 14

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Lisa(

CUSTOMER NAME

TICKET # P103699

DATE 10/02/2014
TIME 09:06AM

DELIVERED

JOB #

PICKED UP

SHIP TO Tru. Landfill

CUSTOMER P.O. #

GROSS	71240 lb	POUNDS	MATERIAL
TARE	25800 lb	POUNDS	HAULING
NET	45440 lb	POUNDS	TAX
	22.72 t		
			TOTAL

PRODUCT contaminated soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 102 TRUCKING CO.:

TRUCKER'S SIGNATURE

CUSTOMER

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A		716-285-3920	ES-428757

GENERATOR

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rikman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Mack

6. Transporter 1 Company Name
Pariso Logistics
716-875-6168
U.S. EPA ID Number: 591 9A ~~820~~ et

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: B102
Truck Lic.: 57322 JB
Handling Codes:

Weight Ticket No.: 103699
Gross Weight: 71240
Tare Weight: 25800
, , ,

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (Arcadis), on behalf of Tyco International /Scott Aviation
Signature: Emily Laity
Month 10 Day 02 Year 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Haag
Signature: Jerry Haag
Month 10 Day 2 Year 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 22.72
Manifest Reference Number: 428757

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Sweet
Signature: Tyler Sweet
Month 10 Day 2 Year 14

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Enso

CUSTOMER NAME

TICKET # P 103705

DATE 10/02/2014

TIME 10:48AM

DELIVERED

JOB # Tm. landfill

PICKED UP

SHIP TO

CUSTOMER P.O. #

	63460 lb		
GROSS	23800 lb	POUNDS	MATERIAL
TARE	39660 lb	POUNDS	HAULING
NET	19.84 t	POUNDS	TAX
			TOTAL

PRODUCT 10mm soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 24 TRUCKING CO.: Dixon

TRUCKER'S SIGNATURE

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A
2. Page 1 of
3. Emergency Response Phone: 716-285-3920
4. Waste Tracking Number: ES-428758

GENERATOR

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Rossel Road, , Princeton NJ 08540, Stuart I. Rinman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name: Pariso Logistics 716-695-6168
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: Design 24
Truck Lic.: 24409 K.A
Handling Codes:

Weight Ticket No.: 103205
Gross Weight: 63460
Tare Weight: ~~39660~~ 23800
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (Arcadis), on behalf of Tyco International/Scott Aviation
Signature:
Month: 10 Day: 02 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William K. Wheeler
Signature: William K. Wheeler
Month: 10 Day: 02 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 19.84
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number: ~~428758~~
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Sweet
Signature:
Month: 10 Day: 2 Year: 14

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Ensil

TICKET # P103707

CUSTOMER NAME

DATE 10/02/2014
TIME 10:59AM

DELIVERED

JOB #

PICKED UP

SHIP TO Tonawanda Landfill

CUSTOMER P.O. #

GROSS	70580 lb	POUNDS	MATERIAL
TARE	25800 lb	POUNDS	HAULING
NET	44780 lb	POUNDS	TAX
	22.40 t		

TOTAL

PRODUCT Contaminated Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 102 TRUCKING CO.:

TRUCKER'S SIGNATURE

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A		716-285-3920	ES-428759

GENERATOR

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rissman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 RCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name
Parizo Logistics
716-875-6168
U.S. EPA ID Number: 9A 825

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: B102
Truck Lic.: 57322 JB
Handling Codes:

Weight Ticket No.: 103707
Gross Weight: 70580
Tare Weight: 25800
, , ,

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Lisy (AECOM) on behalf of Tyco International / Scott Aviation.
Signature: Emily Lisy
Month: 10 Day: 02 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Haag
Signature: Jerry Haag
Month: 10 Day: 2 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Item #13 Estimated. Actual Weight = 22.40

Manifest Reference Number: 428759

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Sweet
Signature: Tyler Sweet
Month: 10 Day: 2 Year: 14

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Ens36

TICKET # P 103708

CUSTOMER NAME

DATE 10/02/2014
TIME 12:07PM

DELIVERED

JOB # Tom landfill

PICKED UP

SHIP TO

CUSTOMER P.O. #

GROSS	64360 lb	POUNDS	MATERIAL
TARE	24100 lb	ROUNDS RECALLED KEYED	HAULING
NET	40260 lb	POUNDS	TAX
	20.14 t		
			TOTAL

PRODUCT Contaminated Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 222 TRUCKING CO.:

TRUCKER'S SIGNATURE

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A
2. Page 1 of
3. Emergency Response Phone: 716-285-3920
4. Waste Tracking Number: ES-439750

GENERATOR

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rimman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name
Parizo Logistics 716-875-6168
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: P-222
Truck Lic.: 39859MC
Handling Codes: , ,
Weight Ticket No.: 103708
Gross Weight: 68,360
Tare Weight: 24100
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Lait (AECOM), ON Behalf of Tyco International/Scott Aviation
Signature: Emily Lait
Month: 10 Day: 2 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: John Sweet
Signature: John Sweet
Month: 10 Day: 2 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 30.14
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number: 126760
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Sweet
Signature:
Month: 10 Day: 2 Year: 14

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Ens&C

CUSTOMER NAME

TICKET # P103709

DATE 10/02/2014

TIME 12:55PM

DELIVERED

JOB # Tnw. landfill

SHIP TO

PICKED UP

CUSTOMER P.O. #

GROSS	64480 lb	POUNDS	MATERIAL
TARE	23800 lb	POUNDS	HAULING
NET	40680 lb 20.34 t	POUNDS	TAX
			TOTAL

PRODUCT Contaminated Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 24 TRUCKING CO. Dessign

TRUCKER'S SIGNATURE Wm Wheeler

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A

2. Page 1 of

3. Emergency Response Phone: 716-285-3920

4. Waste Tracking Number: ES-428761

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rinman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name: Parizo Logistics
716-875-6168
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: Design 24
Truck Lic.: 24409 K.A.
Handling Codes:

Weight Ticket No.: 103709
Gross Weight: 64480
Tare Weight: 40680
, , , 23800

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (AECOM) on behalf of Tyco International Scott Aviation
Signature: Emily Laity
Month 10 Day 02 Year 14

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William K. Wheeler
Signature: William K. Wheeler
Month 10 Day 2 Year 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 2034
Manifest Reference Number: 428761
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Tyler Sweet
Signature: Tyler Sweet
Month 10 Day 2 Year 14

169-BLC-C 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Kisco

TICKET # P103710

CUSTOMER NAME

DATE 10/02/2014
TIME 01:02PM

DELIVERED

JOB # Tex. Landfill

PICKED UP

SHIP TO

CUSTOMER P.O. #

GROSS	69060 lb	POUNDS	MATERIAL
TARE	25800 lb	ROUNDED	HAULING
NET	43260 lb	POUNDS	TAX
	21.64 t		
			TOTAL

PRODUCT Ltd. Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 102 TRUCKING CO.:

TRUCKER'S SIGNATURE

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A		716-285-3920	ES-429962

GENERATOR

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rinman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name
Pariso Logistics
716-875-8168
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
En3ol, Inc. Project ID Number: 14-3218-121T
Truck ID: B102
Truck Lic.: 57322 JB
Handling Codes:

Weight Ticket No.: 103710
Gross Weight: 69060
Tare Weight: 25800
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (AECOM), on behalf of Tyco International /Scott Aviation
Signature: Emily Laity
Month: 10 Day: 2 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Haag
Signature: Jerry Haag
Month: 10 Day: 2 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 21.64
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number: 429962
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Swartz
Signature:
Month: 10 Day: 2 Year: 14

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Ensol

CUSTOMER NAME

TICKET # P103715

DATE 10/02/2014
TIME 02:00PM

DELIVERED

JOB # Tn. Landfill

PICKED UP

SHIP TO

CUSTOMER P.O. #

GROSS	65620 lb	POUNDS	MATERIAL
TARE	24100 lb	POUNDS	HAULING
NET	41520 lb	POUNDS	TAX
	20.76 t		
			TOTAL

PRODUCT Cont. Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: CARMEN M. PARISO
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 222 TRUCKING CO.:

TRUCKER'S SIGNATURE

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A		716-285-3920	ES-428763

GENERATOR

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rimman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 SCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name
Pariso Logistics
716-875-6168

U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920

U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
Ensol, Inc. Project ID Number: 14-3218-121T
Truck ID: P222
Truck Lic.: 39239mc
Handling Codes: T

Weight Ticket No.: 103745
Gross Weight: 65,620
Tare Weight: 27,100
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (NECOM), on behalf of Tyco International / Scott Aviation
Signature: Emily Laity
Month: 10 Day: 2 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOHN SCHACK
Signature:
Month: 10 Day: 2 Year: 14

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 20.76
Manifest Reference Number: 428763

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Sweet
Signature:
Month: 10 Day: 2 Year: 14

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Insul

TICKET # P103716

CUSTOMER NAME

DATE 10/02/2014
TIME 02:48PM

DELIVERED

JOB #

PICKED UP

SHIP TO Wm. Landfill

CUSTOMER P.O. #

	65520 lb		
GROSS	23800 lb	POUNDS	MATERIAL
TARE	41720 lb	POUNDS	HAULING
NET	20.86 t	POUNDS	TAX
			TOTAL

PRODUCT Intl. Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 24 TRUCKING CO.: Ecsian

TRUCKER'S SIGNATURE Wm Wheeler

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N/A		716-285-3920	ES-428764

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Rossel Road, , Princeton NJ 08540, Stuart I. Rinman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name
Pariso Logistics
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name
~~716-875-6160~~
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: Design 24
Truck Lic.: 24469 KA
Handling Codes:
Weight Ticket No.: 103716
Gross Weight: 65520
Tare Weight: 23800
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (AECOM), on behalf of Tyco International/Scott Aviation
Signature: Emily Laity
Month: 10 Day: 2 Year: 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William K. Wheeler
Signature: William K. Wheeler
Month: 10 Day: 2 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 20.86
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number: ~~428764~~
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Sweet
Signature: Tyler Sweet
Month: 10 Day: 2 Year: 14

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Finch

CUSTOMER NAME

TICKET # P103717

DATE 10/02/2014
TIME 03:04PM

DELIVERED

JOB #

PICKED UP

SHIP TO Ton. Landfill

CUSTOMER P.O. #

GROSS	73580 lb	POUNDS	MATERIAL
TARE	25800 lb	~~POUNDS~~ TRUCK LED	~~MATERIAL~~ HAVEING
NET	47780 lb	POUNDS	TAX
	23.90 t		
			TOTAL

PRODUCT (TM) Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY JP

TRUCK NO. 102 TRUCKING CO.:

TRUCKER'S SIGNATURE J Haag

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A

2. Page 1 of

3. Emergency Response Phone: 716-285-3920

4. Waste Tracking Number: ES-428765

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rimman

Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name
Pariso Logistics
716-875-6168

U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY

U.S. EPA ID Number: N/A

Facility's Phone: 716-285-3920

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: B102
Truck Lic.: 57322 JB
Handling Codes: T

Weight Ticket No.: 10371
Gross Weight: 73580
Tare Weight: 25800 ~~23.90~~
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (AECOM) on behalf of Tyco International / Scott Aviation
Signature: Emily Laity
Month: 10 Day: 2 Year: 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Haag
Signature: Jerry Haag
Month: 10 Day: 2 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Item #13 Estimated. Actual Weight = 23.90

Manifest Reference Number: 428765

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tyler Sweet
Signature:
Month: 10 Day: 2 Year: 14

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # filled

TICKET # P103718

CUSTOMER NAME

DATE 10/02/2014
TIME 04:01PM

DELIVERED

JOB # Ten. landfill

PICKED UP

SHIP TO

CUSTOMER P.O. #

GROSS	66860 lb	POUNDS	MATERIAL
TARE	24100 lb	RECALLED REVED POUNDS	HAULING
NET	42760 lb	POUNDS	TAX
	21.36 t		
			TOTAL

PRODUCT Contaminated Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 222 TRUCKING CO.

TRUCKER'S SIGNATURE

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A
2. Page 1 of
3. Emergency Response Phone: 716-285-3920
4. Waste Tracking Number: ES-428766

GENERATOR

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rinman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name: Cariso Logistics (716-875-6160)
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Rick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: P222
Truck Lic.: 39239 MC
Handling Codes:

Weight Ticket No.: 103118
Gross Weight: 44,860
Tare Weight: 22,100
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (AECOM) on behalf of Tyco International/Scott Aviation
Signature:
Month: 10 Day: 2 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John Schock
Signature:
Month: 10 Day: 2 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 21.36
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number: 428766
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Tyler Sweet
Signature:
Month: 10 Day: 2 Year: 14

169-BLC-0 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

CARMEN M. PARISO, INC.

3649 RIVER ROAD
TONAWANDA, NEW YORK 14150
OFFICE: (716) 875-6168 FAX: (716) 875-4121
SCALE: (716) 875-0902

TANDEMS **TRI-AXLES** **DUMP TRAILERS**

VARIETY OF PRODUCTS AVAILABLE FROM OUR STOCKPILES

CUSTOMER # Ensol

TICKET # P103719

CUSTOMER NAME

DATE 10/02/2014
TIME 05:11PM

DELIVERED

JOB #

PICKED UP

SHIP TO Ton. landfill

CUSTOMER P.O. #

GROSS	29220 lb	POUNDS	MATERIAL
TARE	26760 lb	~~POUNDS~~ RECALLED	HAULING
NET	2460 lb	POUNDS	TAX
	1.24 t		
			TOTAL

PRODUCT Cmt Soil CODE

CUSTOMER SIGNATURE

WEIGHMASTER: **CARMEN M. PARISO**
N.Y.S. LICENSE #140123

WEIGHED BY

TRUCK NO. 238 TRUCKING CO.:

TRUCKER'S SIGNATURE

CUSTOMER 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/A

2. Page 1 of

3. Emergency Response Phone: 716-285-3920

4. Waste Tracking Number: ES-428767

5. Generator's Name and Mailing Address
Tyco Int/Scott Aviation, , 9 Roszel Road, , Princeton NJ 08540, Stuart I. Rimman
Generator's Phone: 609-216-0130

Generator's Site Address (if different than mailing address)
Former Scott Aviation Facility Area 1 BCP, , 225 Erie Street, , Lancaster NY 14086, Dino L. Zack

6. Transporter 1 Company Name
Parise Logistics
716-875-6168
U.S. EPA ID Number: 9A 826

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Town of Tonawanda Landfill Closure
East Park Road
Tonawanda NY
Facility's Phone: 716-285-3920
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non D.O.T. Regulated Material, AGM Soil, , ,	001	T		T	
2.	, , ,					
3.	, , ,					
4.	, , ,					

13. Special Handling Instructions and Additional Information
Emergency Contact: Ensol, Inc. Nick Morreale
EnSol, Inc. Project ID Number: 14-3218-121T
Truck ID: Parise 238
Truck Lic.: 15980 PC
Handling Codes: I

Weight Ticket No.: 103719
Gross Weight: 29220
Tare Weight: 26760
, , ,

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Emily Laity (AECOM) on behalf of Tyco International/Scott Aviation
Signature:
Month: 10 Day: 2 Year: 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dennis C. Wolf
Signature:
Month: 10 Day: 2 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Item #13 Estimated. Actual Weight = 1,24
Manifest Reference Number: 428767

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Michael Zgrucki
Signature:
Month: 10 Day: 2 Year: 14

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

APPENDIX G

Analytical Laboratory Reports
(included on CD)

APPENDIX H

Imported Fill Documentation

United Materials, L.L.C.

3949 FOREST PARKWAY, SUITE 400 • NORTH TONAWANDA, NEW YORK 14120
OFFICE: (715) 213-5832
DISPATCH: (716) 213-5800 OR TOLL FREE 1-888-918-6483

Customer # 071930	Customer Name: Matrix Environmental Techn	P.O. #585-770-4332
Project # 14-01-5	Project Name: 225 Erie St- Avox	Job # 583-5761
Delivery Address: 225 Erie St. Lancaster		Map Page : 28-AC-29
Directions: working at Avox, across from Walter Winter dr working behind building customer will be adding benonite onsite		

Order#	TKT#	Plant:	Date:	Due Time:	Truck:	Driver:
1	129276	2	9/24/14	08:00	40210	Hyman, Brian

Batch Code	Item No.	Description	Load Qty.	Cum. Ttl.	Order Qty.	U/M	Slump	Price	Ext. Price
	MATRIX	Slurry For Bento	2.00	2.00	2.00	yd	4		
	523	Color Washout Charges	1.00	1.00	1.00	/1			
	509	Fuel Surcharge	1.00		0.00	ea			

CAUTION: ON FLAT WORK BE SURE TO PROPERLY CURE AS PER MANUFACTURER'S RECOMMENDATIONS. PROTECT FROM SUN, WIND, & FREEZING (EXTERIOR CONCRETE MUST BE PROPERLY PROTECTED FROM DESTRUCTIVE EFFECTS OF COLD TEMPERATURES). CONCRETE COLOR MAY VARY LOAD TO LOAD. THE ADDITION OF CALCIUM CHLORIDE TO FRESHLY MIXED CONCRETE IS NOT RECOMMENDED AND THIS COMPANY WILL NOT ACCEPT RESPONSIBILITY FOR CONCRETE PRODUCED IF CUSTOMER REQUESTS CALCIUM CHLORIDE BE ADDED TO THE MIX.

DELIVERY CONDITIONS: UNITED MATERIALS, L.L.C. WILL TAKE RESPONSIBILITY FOR ROADWAY DELIVERIES. IN THE EVENT THE PURCHASER ORDERS DELIVERY BEYOND THE CURBLINE, WE WILL NOT ASSUME LIABILITY FOR SIDEWALKS, DRIVEWAYS, OR OTHER PROPERTY, AND PURCHASERS HEREBY AGREE TO INDEMNIFY AND HOLD UNITED MATERIALS, L.L.C. HARMLESS AGAINST ALL LIABILITY, LOSS AND EXPENSES INCURRED AS A RESULT OF SUCH DELIVERIES.

SITE CONDITIONS: THE CUSTOMER IS RESPONSIBLE FOR PROVIDING SUITABLE ROADS ON THE PROJECT AND A SUITABLE WASH UP AREA. DRIVERS ARE NOT ALLOWED TO WASH UP THE TRUCK OFF OF A DELIVERY SITE. INITIALS: _____

C.O.D. PAYMENT: PRICES ARE NET. IN THE CASE AN ORDER WILL BE PAID BY CREDIT CARD THE CARD HOLDER MUST CALL THE OFFICE WITH ALL CREDIT CARD INFORMATION. IF PAID BY CHECK PURCHASER MUST PROVIDE A DRIVER'S LICENSE I.D. NUMBER.

ACCEPTANCE: PURCHASER ACCEPTANCE OF THE CONCRETE UPON DISCHARGE IS UNCONDITIONAL, EXCEPT AS PROVIDED FOR IN THE GENERAL TERMS AND CONDITIONS ON THE REVERSE SIDE, SINCE THE HANDLING, PLACING AND CURING OF CONCRETE ARE IMPORTANT FACTORS OVER WHICH UNITED MATERIALS, L.L.C. HAS NO CONTROL AND ARE SOLELY THE RESPONSIBILITY OF THE CUSTOMER. UNITED MATERIALS, L.L.C. DOES NOT GUARANTEE OR WARRANT AGAINST CRACKING AND/OR SCALING IN CONCRETE SURFACES.

SUB TOTAL					
SALES TAX					
Waiting Time:	Min.		Price / Min.	Total	
GRAND TOTAL					

TO JOB	ON JOB	POUR	WASH	TO PLANT	AT PLANT
745	753	810	830	755	

WATER ADDED ON JOB _____ GALLONS
The Undersigned requested that water be added to this mix and releases United Materials, L.L.C. from responsibility for strength.

Conveyor used from _____ to _____ RECEIVED BY X: _____

BENTONITE SLURRY FOR MATRIX

Load Start: 7:24 Load End: 7:26

Material	Required	Batched	Var	% Var	% Moisture
CEMENT2	3300 lb	3285 lb	-15.00	-0.45%	
WATER	235.00 gl	236.00 gl	1.00	0.43%	

Actual Num Batches: 1 Manual 7:24:53
Load Total: 5251 lb
Slump:Con4.00edin Adjust Water: 70.0:gl / Load Trim Water: 0.0-glr/sCYD

CEM SCALE #: 1 ST: 0 lb ET: 5 lb

SEE HEALTH WARNING AND GENERAL TERMS AND CONDITIONS ON REVERSE SIDE

United Materials, L.L.C.

3949 FOREST PARKWAY, SUITE 400 • NORTH TONAWANDA, NEW YORK 14120
OFFICE: (716) 213-5832
DISPATCH: (716) 213-5800 OR TOLL FREE 1-888-918-6483

United Materials

Customer # 071930	Customer Name: Matrix Environmental Technolo	P.O. # 585-770-4332
Project # 14-01-S	Project Name: 225 Erie St- Avox	Job # 583-5761
Delivery Address: 225 Erie St. Lancaster		Map Page : 28-DC-29
Directions: working at Avox, across from walter winter dr customer will be adding benonite onsite		

Order # 70	TKT# 10860	Plant: 1	Date: 9/12/14	Due Time: 14:00	Truck: 0211	Driver: Martin, Thomas

Batch Code	Item No.	Description	Load Qty.	Cum. Ttl.	Order Qty.	U/M	Slump	Price	Ext. Price
	MATRIX	Slurry For Bento	5.00	5.00	5.00	Yd	4		
	523	Color Washout Charges	1.00	1.00	1.00	EA			
	589	Fuel Surcharge	1.00		0.00	EA			

CAUTION: ON FLAT WORK BE SURE TO PROPERLY CURE AS PER MANUFACTURER'S RECOMMENDATIONS. PROTECT FROM SUN, WIND, & FREEZING (EXTERIOR CONCRETE MUST BE PROPERLY PROTECTED FROM DESTRUCTIVE EFFECTS OF COLD TEMPERATURES). CONCRETE COLOR MAY VARY LOAD TO LOAD. THE ADDITION OF CALCIUM CHLORIDE TO FRESHLY MIXED CONCRETE IS NOT RECOMMENDED AND THIS COMPANY WILL NOT ACCEPT RESPONSIBILITY FOR CONCRETE PRODUCED IF CUSTOMER REQUESTS CALCIUM CHLORIDE BE ADDED TO THE MIX.

DELIVERY CONDITIONS: UNITED MATERIALS, L.L.C. WILL TAKE RESPONSIBILITY FOR ROADWAY DELIVERIES. IN THE EVENT THE PURCHASER ORDERS DELIVERY BEYOND THE CURBLINE, WE WILL NOT ASSUME LIABILITY FOR SIDEWALKS, DRIVEWAYS, OR OTHER PROPERTY, AND PURCHASER HEREBY AGREES TO INDEMNIFY AND HOLD UNITED MATERIALS, L.L.C. HARMLESS AGAINST ALL LIABILITY, LOSS AND EXPENSES INCURRED AS A RESULT OF SUCH DELIVERIES.

SITE CONDITIONS: THE CUSTOMER IS RESPONSIBLE FOR PROVIDING SUITABLE ROADS ON THE PROJECT AND A SUITABLE WASH UP AREA. DRIVERS ARE NOT ALLOWED TO WASH UP THE TRUCK OFF OF A DELIVERY SITE. INITIALS: _____

C.O.D. PAYMENT: PRICES ARE NET. IN THE CASE AN ORDER WILL BE PAID BY CREDIT CARD THE CARD HOLDER MUST CALL THE OFFICE WITH ALL CREDIT CARD INFORMATION. IF PAID BY CHECK PURCHASER MUST PROVIDE A DRIVER'S LICENSE I.D. NUMBER.

ACCEPTANCE: PURCHASER ACCEPTANCE OF THE CONCRETE UPON DISCHARGE IS UNCONDITIONAL, EXCEPT AS PROVIDED FOR IN THE GENERAL TERMS AND CONDITIONS ON THE REVERSE SIDE; SINCE THE HANDLING, PLACING AND CURING OF CONCRETE ARE IMPORTANT FACTORS OVER WHICH UNITED MATERIALS, L.L.C. HAS NO CONTROL AND ARE SOLELY THE RESPONSIBILITY OF THE CUSTOMER, UNITED MATERIALS, L.L.C. DOES NOT GUARANTEE OR WARRANT AGAINST CRACKING AND/OR SCALING IN CONCRETE SURFACES.

SUB TOTAL					
SALES TAX					
Waiting Time:	Min.	Price / Min.	Total		
GRAND TOTAL					

TO JOB	ON JOB	POUR	WASH	TO PLANT	AT PLANT
1411	153				

WATER ADDED ON JOB _____ GALLONS
The Undersigned requested that water be added to this mix and releases United Materials, L.L.C. from responsibility for strength.

Conveyor used from _____ to _____ RECEIVED BY X: _____

BENTONITE SLURRY FOR MATRIX

Load Start: 13:26 Load End: 13:32

Material	Required	Batched	Var	%Var	% Moisture
CEMENT11	8250 lb	8270 lb	20.00	0.24%	
WATER	650.0 gl	650.0 gl	0.00	0.00%	

Actual Num Batches: 2
Load Total: 13685 lb Design 650.0 gl To Add: 0.0 gl
Slump:Cos4.00edin Trim Water:d 0.0mgl / CYD 6 : 50 ——Tares——

CEM SCALE B: 1 ST: 0 lb ET: 0 lb CEM SCALE B: 2 ST: 0 lb ET: 0 lb

SEE HEALTH WARNING AND GENERAL TERMS AND CONDITIONS ON REVERSE SIDE

13870 Taylor Hollow Rd, Collins, New York, 14034 - 716-532-3371 - Fax 716-532-9000

9/18/2014

TODD ERECTION CORP
6250 CAMPBELL BLVD
P.O. BOX 117
LOCKPORT NY 14094
ATTENTION: Joe Frawley

VIA FAX: 625-8708

RE: Material Submittal: Material Submittal: 225 Erie St., Lancaster
General Fill (Approved Fill) Bankrun

Dear Mr. Frawley;

This is to certify that the Bankrun Backfill proposed for use on the above listed project will be supplied in conformance with the requirements of the project specifications.

The Bankrun will be supplied form our NYSDOT approved Rt.16 Chaffee (G/T) pit NYSDEC permitted facility #9043-30-0502.

A Typical mechanical analysis of the proposed material are as follows:

Embankment/Clay-Bankrun, Middle Road

Sieve Size	Percent Passing	Specification
5"	100	
2"	88	
1"	61	
1/4	47	
#40	18	
#200	7.6	
PI	0	

Sincerely,

Gernatt Asphalt Products, Inc.

Bill Schmitz

Bill Schmitz

Vice President Quality Control & Sales

13870 Taylor Hollow Rd, Collins, New York, 14034 - 716-532-3371 - Fax 716-532-9000

9/18/2014

TODD ERECTION CORP
6250 CAMPBELL BLVD
P.O. BOX 117
LOCKPORT NY 14094
ATTENTION: Joe Frawley

VIA FAX: 625-8708

RE: Material Submittal: Material Submittal: 225 Erie St., Lancaster
Unprocessed Topsoil -Rt. 16, Chaffee Pit.

Dear Mr. Frawley;

This is to certify that the Unprocessed Topsoil proposed for use on the above listed project will be supplied in conformance with the requirements of the project specifications.

The Topsoil will be supplied form our NYSDOT approved Rt.16 Chaffee (G/T) pit NYSDEC permitted facility #9043-30-0502.

A Typical mechanical analysis of the proposed material are as follows:

Embankment/Clay-Bankrun, Middle Road

Sieve Size	Percent Passing	Specification
3"	100	
2"	96	
1"	78	
1/4	65	
#40	50	
#200	22	
PH	6.7	
% Organic	3.2	

Sincerely,
Gernatt Asphalt Products, Inc.
Bill Schmitz
Bill Schmitz
Vice President Quality Control & Sales

ENGINEER'S COPY

GABEL THOMAS SHAFFEE
496-5111

Gernatt
13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

Ticket #: 5015018
Date: 09/08/14
Time: 11:22 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: TDD01
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: TDD0124 PO#: 58644
Name: 2014 AVOX BLDG ERIE AVE LANCST
Address:

Phone: Phase: 50

Truck and Carrier Information

Truck ID: GT17 LIC:
Descript: 2006 Green Mack
Carrier ID: GER07
Name: GERNATT ASPHALT PRODUCTS,

Truck Weights

	Gross	Tare	Net
	106160 lb	34660 lb	71500 lb
	53.080 Tn	17.330 Tn	35.750 Tn
	48.154 Mg	15.722 Mg	32.432 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID:	50500	1/TODAY
Name:	BANK RUN GRAVEL	35.750TN
JMF#:		MB
Pile #:		

Driver: Mike 17 Received By: Delivered
Load Total: 71500

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB
LEFT JOB

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

ENGINEER'S COPY

GABEL, THOMAS SHAFFEE
496-5111

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

5015004
Date: 09/08/14
Time: 09:14 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: TODD1
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: TODD124 PO#: 50644
Name: 2014 AVOX BLDG ERIE AVE LANCST
Address:

Phone: Phone: 50

Truck and Carrier Information

Truck ID: GT17 LIC:
Descript: 2006 Green Mack
Carrier ID: GER07
Name: GERNATT ASPHALT PRODUCTS,

Truck Weights

Gross	Tare	Net
104860 lb	34660 lb	70200 lb
52.430 Tn	17.330 Tn	35.100 Tn
47.565 Mg	15.722 Mg	31.843 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID:	Name:	1/TODAY
50480	UNSCREENED TOPSOIL	35.100TN
JMF#:		MG
Pile #:		

Driver: Mike M. Received By: Delivered Load Total: 70200

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB
LEFT JOB

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

06-022

CUSTOMER'S COPY

GABEL THOMAS CONTRACT
496-5111

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

Ticket #: 5075250
Date: 05/12/14
Time: 09:07 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: TODD01
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: TODD124 PO#: 50644
Name: 2014 AVOX BLDG ERIE AVE LANCST
Address:

Phone: Project TO

Truck and Carrier Information

Truck ID: 6E66 LIC:
Descript: 1999 Green Mack
Carrier ID:GERR7
Name: GERNATT ASPHALT PRODUCTS, -

Truck Weights

	Gross	Tare	Net
	73000 lb	27340 lb	45740 lb
	36.500 Tn	13.670 Tn	22.870 Tn
	33.142 Mg	12.401 Mg	20.740 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID: SM500 T/TODAY
Name: BANK RUN GRAVEL 22.870TN
IMF#: MG
Pile #:

Driver: Received By: Delivered Load Total: 45740

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB	
LEFT JOB	

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

06-022

CUSTOMER'S COPY

GABEL THOMAS [illegible]
496-5111

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

Ticket #: 5015413
Date: 05/15/19
Time: 10:20 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: TODD01
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: TUD0124 PO#: 58644
Name: 2014 AVOX BLDG ERIE AVE LANCST
Address:

Phone: Phase: 50

Truck and Carrier Information

Truck ID: GE97 LIC:
Descript: 2011 Green Mack
Carrier ID: GER07
Name: GERNATT ASPHALT PRODUCTS,

Truck Weights

	Gross	Tare	Net
	71660 lb	28120 lb	43540 lb
	35.830 Tn	14.060 Tn	21.770 Tn
	32.505 Mg	12.755 Mg	19.750 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID: 50500 1/TODAY
Name: BANK RUN GRAVEL 21.770TN
JMF#: MG
Pile #:

Driver: _____ Received By: _____ Delivered Load Total: 43540

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB	
LEFT JOB	

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

GABEL THOMAS CHOFFEE
496-5111

ENGINEER'S COPY

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

Ticket #: 5816895
Date: 09/25/14
Time: 01:17 PM

*** Delivery ***

CUSTOMER INFORMATION

ID: TODD01
Name: TODD ERECTION CORP
Address: 6290 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: TODD12A PO#: 58666
Name: 2014 AVOZ BLDG ERIE AVE LANCST
Address:

Phone: Phone: 58

Truck and Carrier Information

Truck ID: 9E65 LIC:
Descriptn: 1999 Green Mack
Carrier ID: GEP07
Name: GERNATT ASPHALT PRODUCTS,

Truck Weights

	Gross	Tare	Net
	78960 lb	35240 lb	43660 lb
	39.480 Tn	17.620 Tn	21.830 Tn
	32.160 Mg	12.356 Mg	19.804 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID: 50500 A/TODAY
Name: BASE RUN GRAVEL 37.930TN
IMF#: MG
Pile #:

Driver: Received
Received By: Load Total: 43660

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB
LEFT JOB

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

COLLINS GRAVEL
532-3371

ENGINEER'S COPY

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

338652
Date: 09/25/14
Time: 11:17 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: T0001
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: T090124 POR: SINGH
Name: 2014 ADV BLDG ERIE AVE LANCST
Address:

Phone:

Phone: 78

Truck and Carrier Information

Truck ID: GE65 LIC:
Descriptn: 1999 Green Mack
Carrier ID: GER07
Name: GERNATT ASPHALT PRODUCTS

Truck Weights

Gross	Tare	Net
70660 lb	27420 lb	43240 lb
35.330 Tn	13.710 Tn	21.620 Tn
32.052 Mg	12.438 Mg	19.614 Mg

Weighmaster: Barbara Scott 082120

PRODUCT AND LOAD TOTALS

ID: 70481 1/TODAY
Name: SCREENED TOPSOIL 21.62NTN
UNE #: MG
Pile #:

Driver: Scott Received By: Delivered Load Total: 43240

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV JOB	
LEFT JOB	

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

ENGINEER'S COPY

GABEL THOMAS [illegible]
496-5111

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

Ticket #: 5015963
Date: 09/25/14
Time: 09:50 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: TOD01
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: T000124 PO#: 50644
Name: 2014 ARDI BLDG ERIE AVE LANCST
Address:
Phone: Phase: 50

Truck and Carrier Information

Truck ID: GE16 LIC:
Descript: 2007 Red Mack
Carrier ID: GER07
Name: GERNATT ASPHALT PRODUCTS,

Truck Weights

Gross	Tare	Net
70600 lb	29380 lb	41220 lb
35.300 Tn	14.690 Tn	20.610 Tn
32.024 Mg	13.327 Mg	18.697 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID: 50500 2/TODAY
Name: BANK RUN GRAVEL 43.690TN
JMF #: MG
Pile #:

Driver: ____________ Received By: ____________ Delivered Load Total: 41220

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes

ARV JOB	
LEFT JOB	

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

ENGINEER'S COPY

GABEL THOMAS CHAFFEE
496-5111

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

Ticket #: 5016089
Date: 09/25/14
Time: 11:41 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: 10061
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: TOD0129 POB: 53644
Name: 2014 BOCES BLDG ERIE 2ND LANCST
Address:

Phone: Phone: 50

Truck and Carrier Information

Truck ID: GE16 LIC:
Descriptn: 2007 Red Mack
Carrier ID:GER02
Name: GERNATT ASPHALT PRODUCTS,

Truck Weights

Gross	Tare	Net
74200 lb	29300 lb	44820 lb
37.100 Tn	14.650 Tn	22.410 Tn
33.657 Mg	13.327 Mg	20.330 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID: 50500 3/TODAY
Name: BANK RUN GRAVEL 66,100TH
INF#: 100
Pile #:

Driver: [illegible] D Received By: [signature] Delivered Load Total: 44820

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB	
LEFT JOB	

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

ENGINEER'S COPY

GABEL THOMAS [illegible]
496-5111

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

Ticket #: 3015049
Date: 03/25/14
Time: 07:30 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: T0001
Name: TODD ERECTION CORP
Address: 6250 CAMPBELL BLVD
LOCKPORT, NY 14094

JOB INFORMATION

ID: 000124 PO#: 50-11
Name: -2014 DPW BLDG ERIE AVE LANCST
Address:

Phone: Phone: 50

Truck and Carrier Information

Truck ID: GE16 LIC:
Descript: 2007 Red Mack
Carrier ID:GE007
Name: GERNATT ASPHALT PRODUCTS,

Truck Weights

Gross	Tare	Net
75540 lb	22380 lb	46160 lb
37.770 Tn	11.190 Tn	23.080 Tn
34.265 Mg	10.161 Mg	20.938 Mg

Weighmaster: Default Weighmaster

PRODUCT AND LOAD TOTALS

ID: 50500 T/TODAY
Name: BANK RUN GRAVEL 23.080TN
JMF#: MG
Pile #:

Driver: [illegible] Received By: _____ Delivered Load Total: 46160

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV JOB	
LEFT JOB	

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.