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CONSTRUCTION COMPLETION REPORT SHALLOW SOIL REMOVAL IRM

FORMER SCOTT TECHNOLOGIES SITE

1051 SOUTH MAIN STREET

CITY OF ELMIRA, CHEMUNG COUNTY, NY

NYSDEC PROJECT P808049

Prepared for

New York State Department of Environmental Conservation

Division of Environmental Remediation, Region 8

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Avon, New York 14414-9519

Prepared by

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Former Scott Technologies Site

City of Elmira

CHEMUNG COUNTY, NEW YORK

Shallow Soil IRM

Construction Completion Report

NYSDEC Site Number: P808049

Prepared for:

Unisys Corporate Environmental Affairs

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DECEMBER 2020

REVISED MAY 2021

CERTIFICATIONS

I, Aron Krasnopoler am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Shallow Soil Removal Interim Remedial Measures Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Shallow Soil Removal Interim Remedial Measures Work Plan.

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

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

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Aron Krasnopoler of B&B Engineers & Geologists of New York, P.C, of 10211 Wincopin Circle, 4th floor, Columbia Maryland 21044 am certifying as the Remedial Party's Designated Site Representative for the site.

Aron Krasnopoler	5/27/2021	Aron Krasnopoler
NYS Professional Engineer #089954-1	Date	Signature

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LIST OF ACRONYMS

Acronym	Definition
µg/kg	micrograms per kilogram
µg/m^3	micrograms per cubic meter
bgs	below ground surface
CAMP	Community Air Monitoring Plan
COPC	Contaminant of Potential Concern
CQA	Construction Quality Assurance
EHS	Elmira High School
ft	feet
HASP	Health & Safety Plan
IRM	Interim Remedial Measure
LOD	Limit of Disturbance
mg/kg	milligrams per kilogram
mph	miles per hour
MSA	Material Staging Area
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OSHA	Occupational safety and Health Administration
PCB	Polychlorinated Biphenyl
PFAS	Per- and Polyfluoroalkyl Substances
PM-10	Particulate Matter that are less than ten (10) micrometers in size
QAPP	Quality Assurance Project Plan
RECON	Remedial Construction Services, L.P
SC	Site Characterization
SCO	Soil Cleanup Objective
STCC	Southern Tier Commerce Center
SVOC(s)	Semi-volatile organic compounds
TCLP	Toxicity Characteristic Leaching Procedure
VOC(s)	Volatile organic compounds

1.0 Background and Site Description

On behalf of Unisys Corporation (Unisys), Geosyntec Consultants, Inc. and its New York affiliate B&B Engineers & Geologists of New York, P.C (collectively Geosyntec) are submitting this Shallow Soil Removal Interim Remedial Measure (IRM) Construction Completion Report for the Former Scott Technologies Site (Site #P808049) (Site) in Elmira, New York.

The Site is located at 1051 South Main Street in Elmira, Chemung County, New York (see **Figure 1**) and is currently occupied by Southern Tier Commerce Center (STCC). The Site is bounded by South Main Street to the west, Elmira High School (EHS) to the north, the Consolidated Rail Corp. property to the east and residential properties to the south. Miller Pond is located approximately one thousand (1,000) feet to the northeast. The boundaries of the Site are fully described in **Appendix A**: Survey Map, Metes, & Bounds and Site Management Plan

A Preliminary Site Assessment (PSA) for the entire Former Sperry Remington Site was completed in 1988 on behalf of Unisys and submitted to NYSDEC (Dames & Moore, 1988). The Site has been the subject of additional environmental investigations between 1992 and 2012.

Scott Technologies Inc. (STI), a former owner of the Site, entered into a Voluntary Cleanup Agreement (VCA) with NYSDEC in January 1999 to conduct investigation and remedial activities at the Site. Prior actions included the removal of four (4) registered underground storage tanks (USTs) in 1993 (Versar, 1993) and voluntary investigations. STI conducted a voluntary remedial action between October 1999 and March 2000 (URS, 2000) that included removal and disposal of low voltage polychlorinated biphenyl (PCB) capacitors, cleaning or decommissioning of tanks/vessels, concrete clarification chambers or above ground storage tanks (ASTs), and excavation of polycyclic aromatic hydrocarbons (PAHs) in soil. PAHs in soils identified as exceeding the NYSDEC-approved cleanup goal total PAH concentration of less than or equal to 100 milligrams per kilogram (mg/kg) were excavated to depth of up to three (3) feet in areas north and east of Building 88 as shown on **Figure 2**. The total excavated area was approximately 0.75 acres.

STI conducted additional voluntary remedial action in the Former Recreation Area (FRA) in October 2004 following pre-characterization of soils in March 2004. The constituents of potential concern (COPCs) and approved clean up goals by NYSDEC for the FRA relevant to this Site Characterization were lead (1,000 mg/kg) and total PAHs[1] (100 mg/kg). Shallow soils were excavated to depths of two (2) to eight (8) inches as shown on **Figure 2**. Approximately eighty-six (86) tons of hazardous fill material and one hundred and four (104) tons of non-hazardous fill material were excavated and transported off-Site for disposal. Deed restrictions were filed in July 2005 that limited potential future use of the Site to commercial or industrial uses except for day care facilities and required maintenance of the FRA fencing and vegetative cover in accordance

[1] Total PAH concentrations: sum of naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene based on PAHs reported for confirmatory samples collected during the voluntary remedial action conducted by STI in 1999-2000.

with a Site Management Plan (**Appendix A**). The current land uses of the STCC facility and surrounding areas are considered to be a mix of industrial, school, and residential. The area outside the fenced portion of the FRA to the southwest is adjacent to residential properties (**Figure 2)**.

In June 2013, NYSDEC identified potential areas of concern (PAOCs) at the Site based on new information related to historical use of the property and previous environmental investigations results. On 16 July 2014, Unisys entered into an Order on Consent and Administrative Settlement (Order) for Site Characterization (SC) with the NYSDEC. Unisys has been conducting SC activities at the Site in accordance with the Order and the SC Work Plan dated 5 December 2014. The SC Data Report was submitted on 13 May 2016 to document initial SC activities and subsequent investigation under SC Work Plan Addendum #1 dated 1 August 2016. The SC Data Report identified PCBs, PAHs and metals as COPCs for the Site. Additional soil investigations were conducted under SC Work Plan Addendum #2 dated 3 March 2017 and SC Work Plan Addendum #3 dated 20 December 2019.

From May 2017 to June 2020, Unisys used a portion of the Site located south of Building 88 with the agreement of STCC as a Material Staging Area (MSA) to stockpile soils excavated during IRM conducted on the Former Sperry Remington Site – North Portion (NYSDEC #c808022) as shown on **Figure 2** in 2017, 2018 and 2019. Stockpiled soils were reused as backfill pending NYSDEC approval or transported for disposal as non-hazardous waste. Unisys decommissioned the MSA and restored that portion of the Site to previous use in June 2020 as part of IRM construction described herein.

2.0 Summary of Shallow Soil IRM

2.1 IRM Objectives

A non-emergency IRM for soil removal was conducted to mitigate environmental or human exposures based on SC data collected to date in conjunction with MSA decommissioning. It allowed the use of the existing MSA infrastructure for staging excavated soils for off-Site transport and disposal. The purpose of the Shallow Soil Removal IRM was to remove surface and shallow subsurface soils with COPC detections above IRM action levels based on current land use:

South of the STCC Facility:

- PCBs: Industrial Soil Cleanup Objective[2] (SCO) of twenty-five (25) mg/kg;
- PAHs: 100 mg/kg total PAHs; and
- Metals: Industrial SCOs.

West of the FRA Fence:

- Metals: Residential SCOs.

The IRM action level of 100 mg/kg total PAHs for the areas of south of the STCC facility was based on the previously NYSDEC approved cleanup goal for STI voluntary remedial action.

This IRM is not a final remedy for the Site. This IRM was completed to address shallow soils below and adjacent to the MSA prior to MSA decommissioning. Additional soil delineation will be conducted to complete Site Characterization.

2.2 Description of Shallow Soil Removal IRM

The Shallow Soil Removal IRM was conducted in accordance with the Shallow Soil Removal Interim Remedial Measures Work Plan dated 7 May 2020. NYSDEC gave notice to proceed on 18 May 2020 (**Appendix B**). The components of the Shallow Soil Removal IRM were as follows:

1. Excavation of soil with detections exceeding the IRM action levels presented in Section 2.1;
2. Backfilling to establish a soil cover system to prevent human exposure to remaining contaminated soil remaining at the Site. The soil cover system consists of a demarcation layer and six (6) to twelve (12) inches of approved imported fill;
3. Decommissioning of the MSA by removal of imported fill material and geotextile fabric;
4. Management of excavated soils and MSA materials for transport and off-Site disposal as non-hazardous waste.
5. Restoration of turf; and
6. Off-Site transport and disposal of non-hazardous soils.

[2] 6 NYCRR Part 375

3.0 Description of Remedial Actions Performed

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Shallow Soil Removal Interim Remedial Measures Work Plan (IRM Work Plan) for the Former Scott Technologies Site between May and June 2020. All deviations from the IRM Work Plan and subsequent amendments are noted below.

3.1 Governing Documents

3.1.1 Site Specific Health & Safety Plan (HASP)

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

The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

3.1.2 Quality Assurance Project Plan (QAPP)

The QAPP was included as Attachment 3 of the IRM Work Plan approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

3.1.3 Construction Drawings

Construction drawings were included as Attachment 2 of the IRM Work Plan and describe the scope of work and responsibilities of the IRM Contractor and the Engineer of Record during IRM construction. Drawing sheets addressed construction of temporary facilities and controls, removal and handling of contaminated soils, MSA decommissioning, equipment decontamination, and transportation and off-Site disposal.

3.1.4 Erosion and Sediment Control Plan

Erosion and sediment controls for all remedial construction were in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control and the erosion and sediment control plan submitted in the construction drawings as presented in Attachment 2 of the IRM Work Plan. Erosion and sediment controls were in accordance with the "New York State Standards and Specification for Erosion and Sediment Control" (NYSDEC, 2016) and were inspected weekly during active construction with additional inspections following rain events.

3.1.5 Community Air Monitoring Plan (CAMP)

Community air monitoring was conducted in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP) to monitor potential impacts to the downwind community (potential receptors include

residences, businesses, and workers not directly involved with IRM activities). Real-time air monitoring using direct reading instruments was conducted during soil remediation activities whenever Site soils were handled on Site. A minimum of one (1) upwind and three (3) downwind locations shall be used for real-time monitoring. The three (3) downwind locations were equally distributed along the perimeter of the work area. Designated upwind and downwind locations varied as a result of daily prevailing wind patterns. During work activities within twenty (20) feet of potentially exposed populations or occupied structures, continuous monitoring locations was selected based on the nearest potentially exposed individual and the location of ventilation system intakes for nearby structures. If action levels were exceeded at those locations, then the source of the exceedance was evaluated, and the positioning of upwind and downwind monitoring stations was reassessed.

Daily Construction Inspection Reports (Daily Reports) were sent to the NYSDEC and the NYSDOH the following day. Daily Reports summarizing work completed Friday through Sunday were submitted no later than the following Monday. CAMP data was attached to the Daily Report.

3.1.5.1 CAMP Methods

CAMP monitoring included real-time monitoring for particulate matter less than ten (10) micrometers in size (PM-10) using an aerosol monitor (DustTrakII, TSI Incorporated). The equipment was equipped with telemetry to indicate action level exceedances in real time. In addition, fugitive dust migration was visually assessed during all work activities. Particulate concentrations were monitored continuously at the perimeter of the work areas at the particulate monitoring locations. Monitoring equipment can integrate over a period of fifteen (15) minutes (or less) for comparison to airborne particulate action levels. All readings were recorded, and air monitoring records were maintained electronically. Real-time monitoring data were downloaded at the end of the day and attached to the Daily Field Report and sent the NYSDEC and the NYSDOH by noon the following day. Copies of the Daily Field Reports are provided in **Appendix C**.

3.1.5.2 CAMP Action Levels and Response Measures

Downwind PM-10 particulate levels were compared to the background (upwind perimeter) PM-10 particulate level. If the difference between any downwind level and the background level exceeded one hundred (100) micrograms per cubic meter ($\mu g/m^3$) for the fifteen (15) minute averaging period or if airborne dust was visually observed leaving the work area, dust control measures, including increased water spraying, or stopping work were employed. Monitor alarms were set to alert Site personnel if readings reached one hundred (100) micrograms per cubic meter ($\mu g/m^3$) and dust control measures were implemented. If, after implementing dust suppression techniques, particulate levels above background (upwind) exceed one hundred fifty (150) $\mu g/m^3$, work was suspended, and controls were re-evaluated. Work would resume once dust suppression measures and other controls were

successful in reducing downwind particulate levels above background and below one hundred fifty (150) µg/m^3 and visible dust migration was not observed. Also, if extreme wind conditions or other weather conditions made dust control ineffective, remedial actions were suspended. Real-time dust monitoring was suspended during sustained precipitation events as noted in the Daily Field Reports (**Appendix C**).

3.1.6 Water Management

Storm water contacting potential COPC-impacted soils (contact water) was segregated from storm water entering areas cleaned of COPC-impacted soils (non-contact water). Contact and non-contact water remained separated at all times. Contact water generated within the excavation was minimized and managed to the extent practical. Grading was performed as necessary to divert surface water runoff from entering excavation areas and all stockpiles were tightly covered. Diversion control berms and temporary drainage channels were constructed as needed and maintained.

3.2 Remedial Program Elements

3.2.1 Contractors and Consultants

Construction activities for the Shallow Soil Removal IRM were performed by Remedial Construction Services, L.P. (RECON) as the primary IRM contractor with responsibility for all construction activities in accordance with the Shallow Soil Removal Work Plan and Construction Drawings. Surveying services were provided by Hunt Engineers, Architects and Surveyors.

Geosyntec provided Construction Quality Assurance (CQA) services and collected chemical samples in accordance with the QAPP. Aron Krasnopoler of B&B Engineers & Geologists of New York, P.C., a New York Professional Engineer, served as certifying Engineer of Record responsible for inspection of the work. On-Site and geotechnical laboratory soil testing services were provided by Atlantic Testing Laboratories. Soil sampling analyses, soil chemical characterization data were provided by Eurofins Test America Laboratories Inc.

3.2.2 Site Preparation

Recon mobilized on 11 May 2020 to begin Site preparation in anticipation of NYSDEC notice to proceed. Utility marker layout was completed on 20 May 2020. Modifications were made to the privacy fence surrounding the MSA located on the STCC property to the south. Silt fence installation occurred on 20 May 2020. Straw wattle, compost sock and hay bales were installed in accordance with the erosion and sediment control plan presented in the Construction Drawings.

NYSDEC gave notice to proceed by email on 18 May 2020. Documentation of agency approvals required by the IRM Work Plan is included in **Appendix B**. No other non-agency permits relating to the remediation project were required**.**

3.2.3 General Site Controls

3.2.3.1 Site Security

Site security was maintained by perimeter controls in the form of fences with privacy screens and locks. Equipment was kept behind locked security gates and storage areas for contaminated materials and the work areas had physical barriers to restrict access. Visitors were required to check-in and check-out at the project office upon arrival and departure, respectively.

3.2.3.2 Job Site Record Keeping

The following records were maintained on site:

- Daily field reports
- Daily truck logs
- Waste manifests
- Storm water inspection reports
- Tailgate safety meetings
- Instrument calibration records
- Visitor log

Copies of the daily field reports are provided in **Appendix C**.

3.2.3.3 Erosion and Sedimentation Controls

Erosion and sediment controls were installed and inspected daily according to construction drawings. They included inlet protection, silt fences, straw wattles, compost socks, sump pits and constructed vehicle entrances and exits. Soil stockpiles were covered when not being accessed. Additional details on reducing erosion and sedimentation from soil stockpiles are included in the soil stockpile methods section below (3.2.3.6)

3.2.3.4 Equipment Decontamination and Residual Waste Management

All vehicles and equipment potentially exposed to contaminated material were decontaminated prior to leaving the limit of disturbance (LOD). An equipment wash pad, lined with an 8 oz geotextile and 30 mil polyethylene liner to capture solids, was located in the MSA. Visible debris on the equipment was brushed off manually onto the equipment wash pad. High pressure water was used to clean the wheels and base of the equipment leaving the Site. The equipment wash pad included a lined sump pit with a sump pump. Water from the wash pad was collected in the sump pit and subsequently pumped into a frac tank for storage pending off-Site transport and disposal.

3.2.3.5 Soil Screening

Results of pre-delineation presented in the IRM Work Plan were used to determine the

limits of excavation. Post-excavation confirmation samples were collected during IRM construction. End-point sampling results are discussed in Section 3.4.

Excavations and soil stockpiles were inspected for visual or olfactory impacts, solid waste, bricks or debris. Soil with visible staining, presence of foreign material or soils which had an odor were segregated and sampled. Disposition of the material was based on the results of waste characterization.

3.2.3.6 Stockpile Methods

All stockpiles were located inside the MSA and maintained to avoid having steep sides or faces. During periods of extended inactivity and in the event of prevailing high winds or rainy conditions during the work day, stockpiles were covered and weighted down with sandbags. Stockpiles were not placed within 25 yards of occupied buildings. All stockpiles were covered at the end of each work day.

Excavated soils were stockpiled in the MSA for off-Site transport and disposal. Composite samples were collected for analyses for waste characterization at a frequency consistent with the requirements of the receiving facility. Trucks were loaded in the non-hazardous soil stockpile area for transport for off-Site disposal at an appropriate treatment storage and/or disposal facility. Each shipment had the required manifest, labeling and placarding in accordance with Federal and state laws and regulations.

Structural fill, topsoil and aggregate approved by NYSDEC for import was stockpiled on STCC property. The material was stored on 8 oz geotextile.

3.2.4 Nuisance controls

All vehicles exiting MSA had to pass through the truck wash prior to leaving the Site. Any dirt or dust tracking on roads leading out of the Site was cleaned up by brushing down and spraying down the roads.

When working on weekends no heavy equipment was operated prior to 7:00 AM to avoid creating any noise nuisances.

Dust control was carried out by restricting vehicle speeds, and spraying water using fine atomized sprays. A direct spray was also used in order to clean off trucks and equipment or wet down materials depending on wind and soil conditions. Construction excavators were slowly unloaded and drop heights from the loader buckets were minimized. Trucks were staged within the LOD as far as possible from the perimeter. Trucks were not allowed to idle more than five (5) minutes. Vehicle speeds were restricted to no more than ten (10) miles per hour (mph) while on-Site. Vehicular traffic was restricted to the haul roads and kept off the main streets to minimize exposure. Vehicle staging areas were restricted to immediately adjacent to the construction areas and not on public roads. All haul trucks were covered with tarps prior to transporting soil to or from the Site.

3.2.5 CAMP Results

Real-time dust monitoring readings were recorded and displayed as time series graphs (**Appendix D**). The general response associated with exceedances was to implement dust control measures. These measures included an increase in water spraying activities and the frequency at which water truck was sent around the site. No exceedances were observed to be recorded at any monitoring stations during IRM activities.

3.2.6 Reporting

Daily field reports were generated by the Engineer's representative on Site. Reports included summaries of work progress, inspections carried out, material movement and site visitors. Construction photographs and daily air monitoring reports were also included with reports. Copies of daily field reports are included in electronic format in **Appendix C**.

3.3 Soil Removal and MSA Decommissioning

3.3.1 Excavation Details

Surface and shallow subsurface soil removal was conducted in accordance with the Construction Drawings. Surface soils with COPC concentrations that exceeded IRM action levels were excavated to a depth of six (6) inches bgs. Shallow subsurface soils with COPCs that exceeded IRM action levels were excavated to a depth of one (1) foot bgs in order to provide one (1) foot of soil cover in accordance with NYSDEC *Soil Cleanup Policy CP-51* (dated 21 October 2010).

Post-excavation confirmation samples were collected from excavation sidewalls and bottom areas in accordance with Section 5.4 (b) of DER-10 as follows:

- one (1) sample from the bottom of each sidewall for every thirty (30) linear feet of sidewall; and
- one (1) sample from the excavation bottom for every nine hundred (900) square feet of bottom area.

Appendix E presents the as-built subgrade elevations and the locations of confirmation and documentation samples. The total volume of excavation was approximately 4,820 cubic yards. Contour maps of estimated cut and fill thicknesses for remedial activities at the site are included in **Figure 3**.

3.3.2 MSA Decommissioning

As soil stockpiles and other non-hazardous waste from the shallow soil removal were transported for off-Site disposal, the MSA base layer and underlying geotextile fabric was removed for off-Site disposal as non-hazardous waste. Surface soil samples were collected from the original ground surface to a depth of two (2) inches bgs at a frequency of one per 3,600 square feet (60-foot by 60-foot grid) and submitted to the fixed laboratory for expedited (i.e. 1-day turnaround time) analyses for PCBs, PAHs, and TAL metals in accordance with the QAPP. Unvalidated results were communicated to NYSDEC. The

MSA was restored with placement of topsoil and reseeding and removal of temporary fencing and erosion and sediment controls.

3.3.3 Disposal Details

Table 1 provides the total quantities of non-hazardous of material removed from the Site and subsequent disposal locations.

Correspondence from Applicants to disposal facility owners and acceptance letters from disposal facility owners are provided in **Appendix F**.

Manifests and bills of lading are included in electronic format in **Appendix G.**

Excavated soils and MSA base layer materials were sampled for waste characterization for disposal as non-hazardous waste at frequency of one (1) sample per five hundred (500) cubic yards in accordance with receiving facility requirements. Samples were analyzed for pH, cyanide, sulfide, flash point, toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), herbicides and pesticides, and metals. Waste characterization data were submitted to Casella Waste Systems, Inc. (Casella) for waste profile approval prior to IRM construction. Waste characterization results are presented in **Tables 2A** and **2B**.

A total of 1,879.65 tons of non-hazardous soils and 3,878.31 tons of MSA base layer material were transported to Hyland Landfill in Angelika, New York for off-Site disposal as non-hazardous waste.

3.4 Remedial Performance/Confirmation Sampling

End-point sampling to demonstrate that IRM action levels were achieved and document COPCs remaining was carried out by collecting post-excavation side wall and bottom samples in accordance with the IRM Work Plan. Post-excavation sampling of excavation side walls and bottoms was conducted in accordance with Section 5.4 (b) of DER-10:

- one (1) sample from the bottom of each sidewall for every thirty (30) linear feet of sidewall; and

- one (1) sample from the excavation bottom for every nine hundred (900) square feet of bottom area.

Sidewall samples from the limits of the excavation and bottom samples were collected as confirmation samples and submitted under expeditated turnaround times for PCBs, PAHs, and target analyte list (TAL) metals in accordance with the QAPP based on the remedial objective for the excavation. Surface soil samples were collected from the original ground surface of the MSA to a depth of two (2) inches bgs at a frequency of one per 3,600 square feet (60-foot by 60-foot grid) after removal of MSA base layer material and geotextile fabric. Samples were submitted to the fixed laboratory for analyses PCBs, PAHs and TAL

metals. Unvalidated analytical results were submitted to NYSDEC upon receipt. Confirmation samples were analyzed by Eurofins TestAmerica in Pittsburgh in accordance with the IRM Work Plan QAPP. Analytical reports and data validation reports for post-excavation confirmation samples are presented in **Appendix H** and **Appendix I**, respectively.

End-point sampling results with comparison to IRM action levels are presented in **Tables 3** and **4** for the area south of Building 88 including the MSA and the areas outside of the FRA fence, respectively. Maps showing the end-point sample locations with comparison of COPC results to IRM action levels are presented in **Figures 4.1, 4.2** and **5**. The IRM was completed to address shallow soils below and adjacent to the MSA prior to MSA decommissioning. Due to schedule constraints to complete the decommissioning on time, Unisys notified NYSDEC on 11 June 2020 that excavations would be backfilled with the understanding that COPCs remaining in place above IRM action levels will be delineated further during Site Characterization. Additional remedial actions may be necessary to mitigate/remediate COPCs and known potential exposure pathways.

3.4.1 Excavations 1-1 and 2-1

Excavations 1-1 and 2-1 are located along the eastern property boundary. The area was excavated to address detections of total PAHs and metals above IRM action levels in surface and shallow subsurface soils. End-point sampling results are presented in **Table 3** and sample locations are shown on **Figure 4.1** and **4.2**.

- Twenty-five (25) sidewall samples were collected from 0 to 6 inches bgs. Of those:
  - Thirteen (13) samples had detections of total PAHs above the IRM action level of 100 mg/kg ranging from 128.8 mg/kg at STI-S043 to 1,753 mg/kg at STI-S052. Total PAH exceedances are located on the southern, eastern and western edge of the excavation; and
  - Twelve (12) samples had detections of arsenic above the Industrial SCO of 16 mg/kg ranging from 17 mg/kg at STI-S034 and STI-S055 to 83 mg/kg at STI-S043. Arsenic exceedances are located on the eastern and southern edges of the excavation.
- Fourteen (14) sidewall samples were collected from 6 to 12 inches bgs. Of those:
  - One (1) sample had a detection of total PAHs above the IRM action level of 100 mg/kg at 122.8 mg/kg at STI-S040. Sample STI-S040 is located on the eastern edge of the excavation;
  - Eight (8) samples had detections of arsenic above the Industrial SCO of 16 mg/kg ranging from 17 mg/kg at STI-S060 to 44 mg/kg at STI-S068. Arsenic exceedances are located on the eastern and southern edges of the excavation; and
  - One (1) sample had a detection of barium above the Industrial SCO of 10,000 mg/kg at 16,000 mg/kg at STI-S040. Sample STI-S040 is located

on the eastern edge of the excavation;

- Twenty (20) bottom samples were collected. Of those:
  - One (1) sample had a detection of total PAHs above the IRM action level of 100 mg/kg at 436.6 mg/kg at STI-B029.
  - Four (4) samples had detections of arsenic above the Industrial SCO of 16 mg/kg ranging from 17 mg/kg at STI-B029 to 41 mg/kg at STI-B032.

3.4.2 Excavations 1-2 and 2-2

Excavations 1-2 and 2-2 are located between eastern property boundary and the MSA adjacent to the chain-linked fence to the north. The area was excavated to address detections of total PAHs above IRM action levels in surface and shallow subsurface soils. End-point sampling results are presented in **Table 3** and sample locations are shown on **Figure 4.1** and **4.2**.

- Four (4) sidewall samples were collected from 0 to 6 inches bgs. All samples had had detections of total PAHs above the IRM action level of 100 mg/kg ranging from 208.9 mg/kg at STI-S009 to 3,637 mg/kg at STI-S010.
- Four (4) sidewall samples were collected from 6 to 12 inches bgs. Of those, three (3) samples had had detections of total PAHs above the IRM action level of 100 mg/kg ranging from 312.7 mg/kg at STI-008 to 490 mg/kg at STI-S010.
- One (1) bottom sample was collected. The detection of total PAHs was below the IRM action level of 100 mg/kg.

3.4.3 Excavations 1-3 and 2-3

Excavations 1-3 and 2-3 are located between eastern property boundary and the MSA south of Excavations 1-2 and 2-2. The area was excavated to address detections of total PAHs above IRM action levels in surface and shallow subsurface soils. End-point sampling results are presented in **Table 3** and sample locations are shown on **Figure 4.1** and **4.2**.

- Six (6) sidewall samples were collected from 0 to 6 inches bgs. All samples had had detections of total PAHs above the IRM action level of 100 mg/kg ranging from 1,911 mg/kg at STI-S06 to 5,560 mg/kg at STI-S005.
- Six (4) sidewall samples were collected from 6 to 12 inches bgs. Of those, three (3) samples had had detections of total PAHs above the IRM action level of 100 mg/kg ranging from 160.3 mg/kg at STI-S003 to 418.4 mg/kg at STI-S005.
- Two (2) bottom samples were collected. Both had detections of total PAHs below the IRM action level of 100 mg/kg.

3.4.4 Excavation 1-4

Excavations 1-4 is located east of the asphalt road on the east side of the MSA. The area was excavated to address detections of total PAHs above IRM action levels in surface soils.

End-point sampling results are presented in **Table 3** and sample locations are shown on **Figure 4.1**.

- Ten (10) sidewall samples were collected from 0 to 6 inches bgs. Of those, eight (8) had had detections of total PAHs above the IRM action level of 100 mg/kg ranging from 225.7 mg/kg at STI-S014 to 1,248 mg/kg at STI-S016.
- Four (4) bottom sample were collected. Of those, three (3) samples had detections of total PAHs above the IRM action level of 100 mg/kg ranging from 111.9 mg/kg at STI-B005 to 1,567 mg/kg at STI-B004.

3.4.5 Excavation 1-5

Excavation 1-5 is located west of the asphalt road on the east side of the MSA. The area was excavated to address detections of total PAHs above IRM action levels in surface soils. End-point sampling results are presented in **Table 3** and sample locations are shown on **Figure 4.1**.

- Seven (7) sidewall samples were collected from 0 to 6 inches bgs. All samples had detections of total PAHs below the IRM action level of 100 mg/kg.
- Two (2) bottom sample were collected. All samples had detections of total PAHs below the IRM action level of 100 mg/kg.

3.4.6 Excavation 1-6

Excavation 1-6 is located adjacent to the asphalt entrance on the northwest side of the MSA. The area was excavated to address detections of total PCBs above IRM action levels in surface soils. End-point sampling results are presented in **Table 3** and sample locations are shown on **Figure 4.1**.

- Seven (7) sidewall samples were collected from 0 to 6 inches bgs. All samples had detections of total PCBs below the IRM action level (Industrial SCO) of 25 mg/kg.
- Three (3) bottom sample were collected. All samples had detections of total PCBs below the IRM action level (Industrial SCO) of 25 mg/kg.

3.4.7 Excavation 1-7

Excavation 1-7 is located in an area on STCC property outside the FRA fence. The area was excavated to address detections of metals and SVOCs above IRM action levels (Residential SCOs) in surface soils. End-point sampling results are presented in **Table 4** and sample locations are shown on **Figure 5**.

- Four (4) sidewall samples were collected from 0 to 6 inches bgs. Of those:
    - Two (2) samples had detections of lead above the Residential SCO of 400 mg/kg ranging from 880 mg/kg at STI-S071 to 6,300 mg/kg at STI-S072;

  - Two (2) samples had detections of barium above the Residential SCO of 350 mg/kg ranging from 380 mg/kg at STI-S071 to 2,800 mg/kg at STI-S072; and
  - One (1) sample had a detection of cadmium above the Residential SCO of 2.5 mg/kg at 3.1 mg/kg at STI-S072.
- Two (2) bottom sample were collected. Of those:
  - Two (2) samples had detections of lead above the Residential SCO of 400 mg/kg ranging from 600 mg/kg at STI-B033 to 1,300 mg/kg at STI-B034;
  - One (1) sample had a detection of barium above the Residential SCO of 350 mg/kg at 1,300 mg/kg at STI-B034; and
  - One (1) sample had a detection of cadmium above the Residential SCO of 2.5 mg/kg at 2.7 mg/kg at STI-B034.

3.4.8 MSA Decommissioning

End-point sampling results for surface soil samples collected after MSA decommissioning are presented in **Table 3** and sample locations are shown on **Figures 4.1** and **4.2**. Twenty-four (24) surface soils were collected from 0 to 2 inches bgs. Detections of total PCBs, total PAHs and metals were below IRM action levels in all samples.

3.5 Imported Backfill

Approximately 391 tons of New York State Department of Transport (NYSDOT) Item No. 4 was imported for use as backfill, loading areas and temporary haul roads. The source of imported fill was Lawrenceville Quarry, located in Tioga, Pennsylvania. Chemical testing was not required per DER-10 Section 5.5.

Excavations were backfilled with structural fill and compacted to an in-place density of at least 90 percent of Standard Proctor (ASTM D-698) maximum dry density and at a moisture content between -4 and +2 percent of optimum in vegetated areas. During excavation and backfilling activities, one (1) samples of imported fill were tested for sieve and Standard Proctor analyses. All results were within the approved Construction Drawing specifications provided in the Shallow Soil Removal IRM Work Plan (**Appendix J**). In addition, backfill placed was consistent with New York State Department of Transportation Select Granular Fill or Select Structural Fill criteria. During backfilling, nuclear density tests were performed and results indicate that compaction meeting Construction Specifications was achieved. (**Appendix L**).

Approximately 3,666 tons of imported topsoil was used to establish vegetative cover. The source of imported topsoil was Breesport Pit (NYSDEC Mine ID 80024), located in Breesport, New York. Samples of material to be imported were analyzed for PCBs, metals, herbicides, pesticides, per- and polyfluoroalkyl substances (PFAS), SVOCs, and VOCs at the frequency presented in Table 5.4 (e) 10 of DER-10. **Table 5** summarizes analytical

data for imported soils in comparison to NYSDEC criteria. Upon receipt of the analytical results, a request for import was submitted to NYSDEC for approval. Copies of the request to import forms and email approvals are included in **Appendix L**.

The location, extent and type of imported backfill used at the Site are presented in **Figure 6.**

3.6 Soils Remaining at the Site above SCOs

Soil samples were collected post-construction to document achievement of IRM action levels and concentrations of COPCs remaining above Residential SCOs as SC screening criteria. Discussion of achievement of IRM action levels is presented in Section 3.4. The IRM was completed to address shallow soils below and adjacent to the MSA prior to MSA decommissioning and was not intended to be the final remedy for the Site. Additional soil investigation will be conducted to complete COPC delineation to Residential SCOs as the screening criteria for Site Characterization. Action levels for future IRMs that will achieve a No Further Action determination will require approval by NYSDEC and NYSDOH.

3.6.1 Post-Excavation Samples

Results for post-excavation sidewall and bottom samples from the area south of Building 88 with comparison to Residential SCOs are presented in **Table 6** and **Figures 7.1** and **7.2**. In the 101 sidewall and 32 bottom samples, the following COPCs had detections above Residential SCOs:

- PAHs including acenaphthene, anthracene, benz(a)anthracene, benz(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, phenanthrene, and pyrene, and

- Metals including arsenic, barium, cadmium, chromium, copper, lead, mercury, and nickel.

PAHs were detected above Residential SCOs in sidewall and bottom samples collected from Excavations 1-1, 2-1, 1-2, 2-2, 1-3, 2-3, 1-4 and 1-5 in areas between the MSA and eastern property boundary. Metals were detected above Residential SCOs in sidewall and bottom samples collected from Excavations 1-1 and 2-1 near the eastern property boundary. Total PCBs were not detected above Residential SCOs at Excavation 1-6.

Results for post-excavation sidewall and bottom samples from the area outside of the FRA with comparison to Residential SCOs are presented in **Table 4** and **Figure 5**. Metals including barium, cadmium and lead were detected above Residential SCO in two (2) sidewall samples located on the eastern and southern edge of the excavation and in the two

(2) bottom samples. Higher concentrations of metals were detected at the southern sidewall sample (STI-S072) and the southern bottom sample (STI-B034).

3.6.2 MSA Decommissioning

Twenty-four (24) surface soil samples were collected from the original ground surface underlying the MSA to a depth of two (2) inches bgs following removal of the MSA base layer and geotextile fabric. Results for PCBs, PAHs, and TAL metals analyses are presented in **Table 6** and compared to Residential SCOs. **Figure 7.1** shows sample locations including those with exceedances of Residential SCOs. Sample locations with COPC detections above Residential SCOs include:

- Two (2) samples with detections of total PCBs above the Residential SCO of one (1) mg/kg ranging from 1.193 mg/kg at MSA-B009 to 1.295 mg/kg at MSA-B005 (field duplicate);

- Fifteen (15) samples had detections of PAHs including benz(a)anthracene, benz(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, and indeno(1,2,3-c,d)pyrene above Restricted Residential SCOs, and

- Two (2) samples had detections of metals above Residential SCOs including:

    - MSA-B008 with detections of total chromium (80 mg/kg), lead (680 mg/kg) and nickel (160 mg/kg); and

    - MSA-B014 with a detection of total chromium of 24 mg/kg.

3.7 Engineering Controls

3.7.1 Soil Cover System

Exposure to COPCs in soil/fill in the areas excavated during the Shallow Soil IRM is prevented by a protective soil cover system placed over the site. This cover system is comprised of a minimum of twelve (12) inches of imported soil overlain by asphalt, concrete pavement or vegetative cover. Unpaved areas were restored with a minimum of four (4) inches of topsoil and reseeded based on original conditions. A demarcation layer in the form of an orange netting and geotextile was placed prior to backfilling with imported fill material used for the cover system. **Figure 8** provides as-built cross section of the IRM soil cover system. **Figure 9** shows the location of each cover type built at the Site.

3.7.2 Other Engineering Controls

Temporary fencing was installed around Excavation 1-7 to allow for restored vegetation to become established. Temporary fencing was removed and the permanent FRA fence was restored on 20 November 2020.

3.8 Institutional Controls

Deed restrictions filed in July 2005 by STI limit potential future use of the Site to commercial or industrial uses except for day care facilities and required maintenance of the FRA fencing and vegetative cover in accordance with a Site Management Plan (**Appendix A**).

3.9 Deviations from Shallow Soil Removal IRM Work Plan

The following sections describe the deviations from the Shallow Soil IRM Work Plan.

3.9.1 Community Air Monitoring

Four (4) dust monitors were placed around the perimeter of the LOD such that there three (3) downwind monitors instead of four (4) as specified in the CAMP. No exceedances of the CAMP action levels were reported during IRM construction.

3.9.2 Excavation 1-2 and 2-2

On 22 May 2020, a tree and root system was identified within the limits of Excavation 1-2, 2-2 adjacent to the chain-linked north of the LOD. The IRM contractor was instructed to not damage the trees or roots, limiting the extent of the excavation with respect to the IRM design. Samples STI-010 and STI-S009, representing the two closest samples from the tree and root system, indicate presence of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene remaining in place.

TABLES

Table 1
Total Quantities of Each Category of Waste Material

B & B Engineers & Geologists of New York

Former Scott Technologies Site
Elmira, New York

MATERIAL	TRANSPORTER	DESTINATION	LOCATION	UNIT	TOTAL
Non-Hazardous Soil and Debris - STI	Ricelli	Hyland Landfill	Angelica, NY	Tons	1,879.65
Non-Hazardous Soil/Debris-MSA	Ricelli	Hyland Landfill	Angelica, NY	Tons	3,878.31
				Grand Total	**5,757.96**

Table 2A
Summary of Analytical Results for Waste Characterization - Total

Former Scott Technologies Site
Elmira, New York

				Location	MSA-WC1	MSA-WC2	MSA-WC3	MSA-WC4	MSA-WC5	MSA-WC6	MSA-WC7	MSA-WC8	MSA-WC9	MSA-WC10
				Sample Date	5/11/2020	5/11/2020	5/11/2020	5/11/2020	5/11/2020	5/11/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020
				Lab Report Number	180-105654-1	180-105654-1	180-105654-1	180-105654-1	180-105654-1	180-105654-1	180-106479-1	180-106479-1	180-106479-1	180-106479-1
				Hazardous Waste Characteristics										
Group	**Analyte**	**Units**	**EQL**											
Inorganics	Cyanide Total	mg/kg	0.25		<0.27	<0.27	<0.3	<0.3	0.78	<0.31	<0.28	1.4	0.52	<0.25
	pH	S.U.	0.1		7.8	7.8	7.9	7.7	8.0	7.9	8.1	8.0	8.0	8.0
	Ignitability	°F		<140	>140	>140	>140	>140	>140	>140	>140	>140	>140	>140
	Sulfide	mg/kg	10		<11	<11	<10	<12	<11	<11	<10	<11	<11	<12
Polychlorinated Biphenyls	Arochlor 1016	mg/kg	0.0055		<0.0057	<0.0059	<0.0056	<0.0065	<0.0058	<0.0061	<0.0057	<0.0058	<0.0059	<0.0062
	Arochlor 1221	mg/kg	0.006		<0.0062	<0.0064	<0.0061	<0.0071	<0.0063	<0.0066	<0.0062	<0.0064	<0.0065	<0.0068
	Arochlor 1232	mg/kg	0.0041		<0.0043	<0.0044	<0.0042	<0.0049	<0.0044	<0.0046	<0.0042	<0.0044	<0.0045	<0.0047
	Arochlor 1242	mg/kg	0.0025		<0.0026	<0.0027	<0.0025	<0.0029	<0.0026	<0.0027	<0.0026	<0.0026	<0.0027	<0.0028
	Arochlor 1248	mg/kg	0.0042		<0.0042	1.1	1.8	0.22	0.66	0.7	0.25	0.86	0.61	0.42
	Arochlor 1254	mg/kg	0.0053		<0.0053	1.3	1	0.3	0.53	0.76	0.2	0.5	0.4	0.29
	Arochlor 1260	mg/kg	0.005		<0.005	0.48	0.16	0.084	0.17	0.21	0.085	0.15	0.13	0.11
	Arochlor 1262	mg/kg	0.006		<0.0062	<0.0064	<0.0061	<0.007	<0.0063	<0.0066	<0.0061	<0.0063	<0.0064	<0.0067
	Arochlor 1268	mg/kg	0.0023		<0.0024	<0.0024	<0.0023	<0.0027	<0.0024	<0.0025	<0.0023	<0.0024	<0.0025	<0.0026
	Total PCBs	mg/kg		50	<0.0419	2.894	2.973	0.6196	1.374	1.685	0.5486	1.524	1.154	0.8349
Petroleum Hydrocarbons	Fuels, Diesel	mg/kg	18		160	240	110	100	91	100	-	-	-	-
SVOCs	4-nitroaniline	mg/kg	2.9		6.2	<2.9	2.7	10	<3.1	<3.7	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
S.U. - standard units

Table 2A
Summary of Analytical Results for Waste Characterization - Total

Former Scott Technologies Site
Elmira, New York

				Location	STI-WC1	STI-WC2	STI-WC3	STI-WC4	STI-WC5	STI-WC6	STI-WC7
				Sample Date	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/10/2020	6/10/2020	6/10/2020
				Lab Report Number	180-106506-1	180-106506-1	180-106506-1	180-106506-1	180-106870-1	180-106870-1	180-106870-1
				Hazardous Waste Characteristics							
Group	**Analyte**	**Units**	**EQL**								
Inorganics	Cyanide Total	mg/kg	0.25		5.3	1.9	4.3	2.3	2.1	3	6.4
	pH	S.U.	0.1		8.0	7.9	7.9	7.8	8.0	7.9	7.9
	Ignitability	°F		<140	>140	>140	>140	>140	>140	>140	>140
	Sulfide	mg/kg	10		<11	<11	<11	<11	<10	<10	12
Polychlorinated Biphenyls	Arochlor 1016	mg/kg	0.0055		<0.0056	<0.0057	<0.0059	<0.006	<0.0055	<0.0057	<0.0056
	Arochlor 1221	mg/kg	0.006		<0.0061	<0.0062	<0.0065	<0.0066	<0.006	<0.0062	<0.0061
	Arochlor 1232	mg/kg	0.0041		<0.0042	<0.0043	<0.0044	<0.0045	<0.0041	<0.0043	<0.0042
	Arochlor 1242	mg/kg	0.0025		<0.0025	<0.0026	<0.0027	<0.0027	<0.0025	<0.0026	<0.0025
	Arochlor 1248	mg/kg	0.0042		0.2	0.37	0.091	0.043	0.38	0.13	0.19
	Arochlor 1254	mg/kg	0.0053		0.24	0.39	0.16	0.089	0.31	0.17	0.22
	Arochlor 1260	mg/kg	0.005		0.085	0.13	0.066	0.045	0.12	0.062	0.11
	Arochlor 1262	mg/kg	0.006		<0.0061	<0.0062	<0.0064	<0.0065	<0.006	<0.0061	<0.006
	Arochlor 1268	mg/kg	0.0023		<0.0023	<0.0024	<0.0025	<0.0025	<0.0023	<0.0023	<0.0023
	Total PCBs	mg/kg		50	0.5384	0.9037	0.3312	0.1914	0.8232	0.3756	0.5334
Petroleum Hydrocarbons	Fuels, Diesel	mg/kg	18		-	-	-	-	-	-	-
SVOCs	4-nitroaniline	mg/kg	2.9		-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
S.U. - standard units

Table 2B
Summary of Analytical Results for Waste Characterization - TCLP

Former Scott Technologies Site
Elmira, New York

				Location	MSA-WC10	MSA-WC1	MSA-WC2	MSA-WC3	MSA-WC4	MSA-WC5	MSA-WC6	MSA-WC7	MSA-WC8	MSA-WC9
				Sample Date	6/1/2020	5/11/2020	5/11/2020	5/11/2020	5/11/2020	5/11/2020	5/11/2020	6/1/2020	6/1/2020	6/1/2020
				Lab Report Number	180-106479-1	180-105654-1	180-105654-1	180-105654-1	180-105654-1	180-105654-1	180-105654-1	180-106479-1	180-106479-1	180-106479-1
Group	**Analyte**	**Units**	**EQL**	RCRA Toxicity Characteristics										
Pesticides	Endrin	µg/L	0.091	20	-	-	-	-	-	-	-	-	-	-
	gamma-Chlordane	mg/L	0.0029		-	-	-	-	-	-	-	-	-	-
	g-BHC (Lindane)	µg/L	0.12	400	-	-	-	-	-	-	-	-	-	-
	Heptachlor	µg/L	0.18	8	-	-	-	-	-	-	-	-	-	-
	Heptachlor epoxide	µg/L	0.14		-	-	-	-	-	-	-	-	-	-
	Methoxychlor	µg/L	0.31	10000	-	-	-	-	-	-	-	-	-	-
	Toxaphene	mg/L	0.02	0.5	-	-	-	-	-	-	-	-	-	-
Herbicides	2,4,5-TP (Silvex)	mg/L	0.003	1	-	-	-	-	-	-	-	-	-	-
	Hedonal	mg/L	0.02	10	-	-	-	-	-	-	-	-	-	-
SVOCs	1,4-dichlorobenzene	µg/L	4.5	7500	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U
	2,4,5-trichlorophenol	µg/L	7.9	400000	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U
	2,4,6-trichlorophenol	µg/L	9.5	2000	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U
	2,4-Dinitrotoluene	µg/L	7.9	30130	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U
	2-methylphenol	µg/L	4	4200000	<4U	<4U	<4U	<4U	<4U	<4U	<4U	<4U	<4U	<4U
	4-methylphenol	mg/L	0.0079	4200	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U
	Hexachlorobenzene	µg/L	5.5	30130	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U
	Hexachlorobutadiene	µg/L	8.4	500	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U
	Hexachloroethane	µg/L	4		<4U	<4U	<4U	<4U	<4U	<4U	<4U	<4U	<4U	<4U
	Nitrobenzene	µg/L	12	2000	<12U	<12U	<12U	<12U	<12U	<12U	<12U	<12U	<12U	<12U
	Pentachlorophenol	µg/L	7.5	100000	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U
	Pyridine	µg/L	8.2	35000	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U
VOCs	1,1-dichloroethene	µg/L	110	700	<110U	<110U	<110U	<110U	<110U	<110U	<110U	<110U	<110U	<110U
	1,2-dichloroethane	µg/L	58	500	<58U	<58U	<58U	<58U	<58U	<58U	<58U	<58U	<58U	<58U
	Benzene	µg/L	79	500	<79U	<79U	<79U	<79U	<79U	<79U	<79U	<79U	<79U	<79U
	Carbon tetrachloride	µg/L	130	500	<130U	<130U	<130U	<130U	<130U	<130U	<130U	<130U	<130U	<130U
	Chlorobenzene	µg/L	63	100000	<63U	<63U	<63U	<63U	<63U	<63U	<63U	<63U	<63U	<63U
	Chloroform	µg/L	85	6000	<85U	<85U	<85U	<85U	<85U	<85U	<85U	<85U	<85U	<85U
	Methyl Ethyl Ketone	µg/L	120	200000	<120U	<120U	<120U	<120U	<120U	<120U	<120U	<120U	<120U	<120U
	Tetrachloroethene	µg/L	80	700	<80U	<80U	<80U	<80U	<80U	<80U	<80U	<80U	<80U	<80U
	Trichloroethene	µg/L	60	500	<60U	<60U	<60U	<60U	<60U	<60U	<60U	<60U	<60U	<60U
	Vinyl chloride	µg/L	150	200	<150U	<150U	<150U	<150U	<150U	<150U	<150U	<150U	<150U	<150U
Metals	Arsenic	mg/L	0.041	5	<0.041U	<0.041U	<0.041U	<0.041U	<0.041U	<0.041U	<0.041U	<0.041U	<0.041U	<0.041U
	Barium	mg/L	2	100	1.1J	0.77J	1J	0.94J	1.7J	0.86J	0.94J	0.74J	1.5J	1.3J
	Cadmium	mg/L	0.0028	1	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	0.005J	0.004J
	Chromium (III+VI)	mg/L	0.0078	5	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U
	Lead	mg/L	0.029	5	<0.029U	<0.029U	<0.029U	<0.029U	<0.029U	<0.029U	<0.029U	<0.029U	<0.029U	<0.029U
	Selenium	mg/L	0.036	1	<0.036U	0.039J	<0.036U	<0.036U	<0.036U	<0.036U	0.042J	<0.036U	0.036J	<0.036U
	Silver	mg/L	0.0085	5	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U
	Mercury	mg/L	0.00013	0.2	<0U	<0U	<0U	<0U	<0U	<0U	<0U	<0U	<0U	<0U

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - non-detect at the value shown
mg/kg - milligrams per kilogram
Analyte concentrations detected above RCRA Toxicity Characteristics screening criteria are presented in light gray.

Table 2B
Summary of Analytical Results for Waste Characterization - TCLP

Former Scott Technologies Site
Elmira, New York

				Location	STI-WC1	STI-WC2	STI-WC3	STI-WC4	STI-WC5	STI-WC6	STI-WC7
				Sample Date	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/10/2020	6/10/2020	6/10/2020
				Lab Report Number	180-106506-1	180-106506-1	180-106506-1	180-106506-1	180-106870-1	180-106870-1	180-106870-1
Group	**Analyte**	**Units**	**EQL**	RCRA Toxicity Characteristics							
Pesticides	Endrin	µg/L	0.091	20	<0.091U	<0.091U	<0.091U	<0.091U	<0.091U	<0.091U	<0.091U
	gamma-Chlordane	mg/L	0.0029		<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U
	g-BHC (Lindane)	µg/L	0.12	400	<0.12U	<0.12U	<0.12U	<0.12U	<0.12U	<0.12U	<0.12U
	Heptachlor	µg/L	0.18	8	<0.18U	<0.18U	<0.18U	<0.18U	<0.18U	<0.18U	<0.18U
	Heptachlor epoxide	µg/L	0.14		<0.14U	<0.14U	<0.14U	<0.14U	<0.14U	<0.14U	<0.14U
	Methoxychlor	µg/L	0.31	10000	<0.31U	<0.31U	<0.31U	<0.31U	<0.31U	<0.31U	<0.31U
	Toxaphene	mg/L	0.02	0.5	<0.02U	<0.02U	<0.02U	<0.02U	<0.02U	<0.02U	<0.02U
Herbicides	2,4,5-TP (Silvex)	mg/L	0.003	1	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U	<0.003U
	Hedonal	mg/L	0.02	10	<0.02U,*1	<0.02U,*1	<0.02U,*1	<0.02U,*1	<0.02U	<0.02U	<0.02U
SVOCs	1,4-dichlorobenzene	µg/L	4.5	7500	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U	<4.5U
	2,4,5-trichlorophenol	µg/L	7.9	400000	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U
	2,4,6-trichlorophenol	µg/L	9.5	2000	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U	<9.5U
	2,4-Dinitrotoluene	µg/L	7.9	30130	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U	<7.9U
	2-methylphenol	µg/L	4	4200000	<4U	<4U	<4U	<4U	<4U	<4U	<4U
	4-methylphenol	mg/L	0.0079	4200	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U
	Hexachlorobenzene	µg/L	5.5	30130	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U	<5.5U
	Hexachlorobutadiene	µg/L	8.4	500	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U	<8.4U
	Hexachloroethane	µg/L	4		<4U	<4U	<4U	<4U	<4U	<4U	<4U
	Nitrobenzene	µg/L	12	2000	<12U	<12U	<12U	<12U	<12U	<12U	<12U
	Pentachlorophenol	µg/L	7.5	100000	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U	<7.5U
	Pyridine	µg/L	8.2	35000	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U	<8.2U
VOCs	1,1-dichloroethene	µg/L	110	700	<110U	<110U	<110U	<110U	<110U	<110U	<110U
	1,2-dichloroethane	µg/L	58	500	<58U	<58U	<58U	<58U	<58U	<58U	<58U
	Benzene	µg/L	79	500	<79U	<79U	<79U	<79U	<79U	<79U	<79U
	Carbon tetrachloride	µg/L	130	500	<130U	<130U	<130U	<130U	<130U	<130U	<130U
	Chlorobenzene	µg/L	63	100000	<63U	<63U	<63U	<63U	<63U	<63U	<63U
	Chloroform	µg/L	85	6000	<85U	<85U	<85U	<85U	<85U	<85U	<85U
	Methyl Ethyl Ketone	µg/L	120	200000	<120U	<120U	<120U	<120U	<120U	<120U	<120U
	Tetrachloroethene	µg/L	80	700	<80U	<80U	<80U	<80U	<80U	<80U	<80U
	Trichloroethene	µg/L	60	500	<60U	<60U	<60U	<60U	<60U	<60U	<60U
	Vinyl chloride	µg/L	150	200	<150U	<150U	<150U	<150U	<150U	<150U	<150U
Metals	Arsenic	mg/L	0.041	5	<0.041U	<0.041U	<0.041U	<0.041U	0.044J	<0.041U	<0.041U
	Barium	mg/L	2	100	4.7	2.1	3.2	2.6	1.5J	3.1	3.1
	Cadmium	mg/L	0.0028	1	0.009J	0.004J	0.009J	0.006J	<0.003U	0.005J	0.006J
	Chromium (III+VI)	mg/L	0.0078	5	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U	<0.008U
	Lead	mg/L	0.029	5	0.1J	<0.029U	0.34J	0.043J	<0.029U	<0.029U	0.041J
	Selenium	mg/L	0.036	1	<0.036U	<0.036U	<0.036U	<0.036U	<0.036U	<0.036U	<0.036U
	Silver	mg/L	0.0085	5	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U	<0.009U
	Mercury	mg/L	0.00013	0.2	<0U	<0U	<0U	<0U	<0U	<0U	<0U

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an appr
U - non-detect at the value shown
mg/kg - milligrams per kilogram
Analyte concentrations detected above RCRA Toxicity Characteristics screening criteria are prese

Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1
Location	STI-S034	STI-S035	STI-S035	STI-S036	STI-S037	STI-S038	STI-S039	STI-S040	STI-S041	STI-S042	STI-S043	STI-S044	STI-S045	STI-S045	STI-S046	STI-S047
Sample Name	STI-S034-060520	DUP-5	STI-S035-060520	STI-S036-060520	STI-S037-060520	STI-S038A-060520	STI-S039A-060520	STI-S040A-060520	STI-S041-060520	STI-S042-060520	STI-S043-060520	STI-S044-060520	STI-S045-060520	DUP-6	STI-S046-060520	STI-S047-060520
Sampled Date	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020
Sample Depth	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5

Method_Name	ChemName	Units	EQL	IRM Action Level														
SVOCs	Total PAHs	mg/kg		100	496.5	58.29	235.9	29.21	233.7	141.7	430.4	37.83	23.92	3.896	128.8	2.557	6.442	214.2	19.02	2.082
Metals	Aluminum	mg/kg	12		12,000	7500	10,000	6700	6500	6400	9600	9500	6500	3000	6500	6600	7300	14,000	9300	8800
	Antimony	mg/kg	0.24		4.4	4.3	4.6	4.3	2.7	3	2.5	2.2	2.9	1.3	1.4	0.84J	0.7J	1J	1.1F1	0.78J
	Arsenic	mg/kg	0.6	16	17	18	28	43	18	25	31	62	56	28	83	33	6.6	15	9.2	9.5
	Barium	mg/kg	12	10000	350	1400	640	530	440	290	560	3400	270	300	260	100	66	180	180F1	130
	Beryllium	mg/kg	0.24	2700	1.4	0.5	0.78	0.44	0.46	0.62	0.92	0.48	0.53	0.35J	0.41J	0.49	0.34	0.66	0.49	0.47
	Cadmium	mg/kg	0.3	60	3.2	3.7	4.3	4.1	20	1.6	2	0.92	0.44J	0.12J	0.36J	0.13J	0.12J	0.34J	0.24J	0.39J
	Calcium	mg/kg	300		13,000	17,000	34,000	8800	7600	13,000	16,000	3500	5200	1700	4300	5900	3500	14,000	3300	3700
	Chromium (III+VI)	mg/kg	0.3	800	60	100	52	100	360	46	65	36	17	8.2	14	13	14	82	22F1	21
	Cobalt	mg/kg	3		9.7	9.6	11	13	16	6.6	8.9	8.2	6.4	4.9J	5.3	5.6J	5.6	12	6.1	5.8
	Copper	mg/kg	1.5	10000	1100	850	730	910	200	260	310	370	89	48	49	18	24	56	37	33
	Iron	mg/kg	6		48,000	41,000	83,000	87,000	32,000	28,000	42,000	39,000	26,000	25,000	22,000	26,000	19,000	42,000	20,000	20,000
	Lead	mg/kg	0.6	3900	290	640	330	240	190	180	180	150	110	38	56	3.4	1300	83	55	58
	Magnesium	mg/kg	300		5200	5100	8900	2500	2500	2000	5700	1700	1400	600	1400	630	2400	4200	1900	1900
	Manganese	mg/kg	0.9	10000	700	580	690	1000	410	440	880	470	270	100	250	59	300	580	590	380
	Mercury	mg/kg	0.027	5.7	0.26	0.33	0.36	0.83	0.66	0.57	0.22	0.13	0.086	0.075	0.074	0.035	0.04	0.077	0.12	0.082
	Nickel	mg/kg	2.4	10000	130	240	95	470	130	110	120	72	37	21	24	19	29	230	32	27
	Potassium	mg/kg	300		740	890	1200	710	520J	510	780	590	680	490J	500J	270J	590	1700	740	890
	Selenium	mg/kg	0.37	6800	1.1J	1.7	2.2	3.3	1.4	0.85J	1.6	1.1	1.2	2.6	<0.54U	1.1	<0.44U	1.2J	<0.59U	0.96J
	Silver	mg/kg	0.063	6800	7.8	4.3	4.8	2.1	0.62	1.3	0.99	0.35J	<0.11U	<0.11U	<0.11U	<0.12U	<0.09U	<0.17U	<0.12U	<0.12U
	Sodium	mg/kg	36		260J	200J	390J	160J	82J	180J	190J	100J	120J	<61U	120J	190J	<52U	160J	<69U	<66U
	Thallium	mg/kg	0.19		<0.38U	<0.32U	0.41J	0.79J	<0.36U	<0.33U	0.45J	<0.32U	<0.33U	<0.32U	<0.33U	<0.36U	<0.28U	<0.53U	<0.37U	<0.35U
	Vanadium	mg/kg	3		17	17	18	33	15	13	17	14	14	11	13	21	12	27	17	16
	Zinc	mg/kg	1.2	10000	520	500	540	580	1500	350	370	310	180	69	90	14	60	130	93	130
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - non-detect at the value shown
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
mg/kg - milligrams per kilogram
Analyte concentrations detected above IRM Action Level screening criteria are presented in light gray.

Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation			1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1
Location			STI-S048	STI-S049	STI-S050	STI-S051	STI-S052	STI-S053	STI-S054	STI-S055	STI-S055	STI-S056	STI-S057	STI-S059	STI-S038	STI-S039	STI-S040	STI-S058
Sample Name			STI-S048-060520	STI-S049-060520	STI-S050-060520	STI-S051-060520	STI-S052-060520	STI-S053-060520	STI-S054-060520	DUP-7	STI-S055-060520	STI-S056-060520	STI-S057-060520	STI-S059-060520	STI-S038B-060520	STI-S039B-060520	STI-S040B-060520	STI-S058-060520
Sampled Date			6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020
Sample Depth			0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5-1	0.5-1	0.5-1	0.5-1
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**															
SVOCs	Total PAHs	mg/kg		100	4.182	7.43	753.7	563.7	1753	59.02	18.78	1041 - 1158	636.6 - 833.9	97.28 - 119.4	33.76	847.5 - 1007	6.748	73.93	10.55	11.21
Metals	Aluminum	mg/kg	12		9800	7200	8100	8100	6700	7800	7400	11,000	12,000	12,000	16,000	7800	9100	7100	5600	7300
	Antimony	mg/kg	0.24		1.3	0.68J,F2,F1	1.8	0.98J	0.83J	0.62J	1.2	13	10	6.3	8.5	1	0.8J	2.1	1.6	2.6
	Arsenic	mg/kg	0.6	16	10	7.9	9.3	6.8	11	7.5	12	16	17	11	15	14	7.5	16	35	24
	Barium	mg/kg	12	10000	170	97	130	210	200	110	520	530	710	560	780	350	240	370	16,000	870
	Beryllium	mg/kg	0.24	2700	0.47	0.36J	0.58	0.51	0.5	0.36	0.39	0.52	0.77	0.5	0.42J	0.68	0.51	0.39J	0.3J	0.46
	Cadmium	mg/kg	0.3	60	0.38J	0.22J	0.7	0.37J	33	0.5	0.77	8.5	5.9	3	4.7	1.9	0.28J	0.6	1.1	2.1
	Calcium	mg/kg	300		1700	1400F1	10,000	8500	7000	1800	4000	21,000	30,000	9000	11,000	13,000	9000	7800	4200	9000
	Chromium (III+VI)	mg/kg	0.3	800	20	14F1	21	12	150	16	24	120	110	100	130	38	15	24	30	160
	Cobalt	mg/kg	3		8.5	4.9J	5.5J	4.1J	8	5.6	6	11	10	9.2	11	7.2	4.7J	7.4	4.4J	8.8
	Copper	mg/kg	1.5	10000	130	1100	130	48	120	36	84	3500	1200	3400	1500	65	85	290	150	290
	Iron	mg/kg	6		25,000	24,000	20,000	26,000	21,000	19,000	21,000	75,000	53,000	57,000	65,000	21,000	26,000	34,000	32,000	50,000
	Lead	mg/kg	0.6	3900	900	49F1	78	27	110	37	100	700	920	800	570	100	38	130	140	220
	Magnesium	mg/kg	300		2400	1500	4100	1300	2200	1900	2000	5800	11,000	2200	2700	5500	1800	3700	1900	3300
	Manganese	mg/kg	0.9	10000	480	360F2	720	190	380	320	370	640	690	640	710	510	240	590	430	580
	Mercury	mg/kg	0.027	5.7	0.097	0.089	0.11	0.12	0.27	0.17	0.19	0.26	0.23	0.28	0.43	0.3	0.098	0.11	0.093	0.69
	Nickel	mg/kg	2.4	10000	73	21F1	32	18	62	23	48	780	200	86	180	40	23	87	110	130
	Potassium	mg/kg	300		890	420J	670	570	570	520	560	770	920	1000	840	630	520	610	590	600
	Selenium	mg/kg	0.37	6800	0.69J	0.72J	0.95J	0.66J	0.97J	<0.46U	0.69J	3.8	1.8	1.4	1.3	0.91J	0.73J	0.71J	<0.6U	1.7
	Silver	mg/kg	0.063	6800	<0.11U	<0.11U	0.32J	<0.11U	0.21J	<0.095U	<0.099U	28	5.7	1.4	6.7	0.25J	0.37J	0.44J	<0.12U	0.81
	Sodium	mg/kg	36		64J	<65U	220J	350J	96J	<54U	<57U	340J	490	890	460J	120J	390J	70J	260J	120J
	Thallium	mg/kg	0.19		<0.34U	<0.35U,F1	<0.36U	<0.33U	<0.36U	<0.29U	<0.3U	0.37J	<0.31U	0.36J	<0.37U	<0.31U	<0.33U	<0.34U	<0.37U	0.39J
	Vanadium	mg/kg	3		17	14	13	13	15	14	14	21	21	20	23	14	15	12	10	17
	Zinc	mg/kg	1.2	10000	170	310	150	67	580	100	160	770	920	2000	1200	210	72	200	430	440
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an a
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Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation			1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1
Location			STI-S060	STI-S061	STI-S062	STI-S063	STI-S064	STI-S065	STI-S065	STI-S066	STI-S067	STI-S068	STI-S069	STI-B013	STI-B014	STI-B015	STI-B015	STI-B016
Sample Name			STI-S060-060520	STI-S061-060520	STI-S062-060520	STI-S063-060520	STI-S064-060520	DUP-8	STI-S065-060520	STI-S066-060520	STI-S067-060520	STI-S068-060520	STI-S069-060520	STI-B013-060420	STI-B014-060420	DUP-9	STI-B015-060420	STI-B016-060420
Sampled Date			6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020
Sample Depth			0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	1-1	0.5-0.5	1-1	1-1	1-1
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**														
SVOCs	Total PAHs	mg/kg		100	73.44	66.97	7.24	10.7	11.44	28.98	14.67	53.93	3.814	4.311	113.8 - 122.8	1.031	4.853	0.33	0.3925	2.985
Metals	Aluminum	mg/kg	12		12,000	2900	7300	6600	4100	7200	7200	3300	7400	6300	7000	6200	8800	7800	8100	8400
	Antimony	mg/kg	0.24		6	1.3	1.5	3.5	1.2	1.3	1.3	1.3	0.44J,F1	1.3	0.63J	0.88J	1.5	0.43J	0.49J	1.4
	Arsenic	mg/kg	0.6	16	17	8.1	9.9	24	18	35	33	43	9.2F1	44	7.1	16	10	5.5	6.2	11
	Barium	mg/kg	12	10000	750	180	3300	1400	76	280	320	55	62F1	210	110	100	510	72	81	2500
	Beryllium	mg/kg	0.24	2700	0.6	0.3J	0.37J	0.42J	0.56	0.36J	0.35J	0.37J	0.53	0.39	0.37J	0.38J	0.41J	0.37J	0.39J	0.38J
	Cadmium	mg/kg	0.3	60	3.4	0.39J	0.56	2.9	0.13J	0.28J	0.29J	0.1J	0.12J	0.21J	0.31J	0.13J	0.35J	0.091J	0.099J	0.34J
	Calcium	mg/kg	300		13,000	2800	3200	12,000	2200	3500	3700	1400	960F2,F1	3200	8600	1800	16,000	890	1300	3300
	Chromium (III+VI)	mg/kg	0.3	800	71	26	33	74	7.5	29	18	6.3	8.4F1	16	11	12	41	9	10	26
	Cobalt	mg/kg	3		9.9	3.2J	7.7	8.9	7.7	7.1	7	5J	4.7J	4.9	4.9J	5.5	7.8	4.9J	5.1J	6.7
	Copper	mg/kg	1.5	10000	740	78	170	1100	46	92	120	33	140F1	48	40	37	240	35	41	99
	Iron	mg/kg	6		42,000	18,000	28,000	65,000	30,000	22,000	21,000	39,000	16,000	20,000	17,000	17,000	28,000	15,000	16,000	28,000
	Lead	mg/kg	0.6	3900	420	54	260	260	31	91	120	13	29F1	64	45	33	160	34	31	230
	Magnesium	mg/kg	300		3900	610J	1900	2600	450J	2600	3100	240J	1500	1700	2400	1500	3300	1600	1700	2000
	Manganese	mg/kg	0.9	10000	530	110	820	600	92	390	390	33	110F1	310	350	330	420	660	680	550
	Mercury	mg/kg	0.027	5.7	0.23	0.073	0.19	0.82	0.051	0.082	0.077	0.16F1	0.21F1,F2	0.15	0.19	0.064	0.16	0.17	0.19	0.13
	Nickel	mg/kg	2.4	10000	120	22	89	160	20	37	36	13	16	34	19	22	89	13	14	72
	Potassium	mg/kg	300		770	320J	640	600	490	610	690	350J	510J	540	430J	460J	830	460J	460J	640
	Selenium	mg/kg	0.37	6800	1.5	0.78J	1.1	1.9	1.6	0.67J	<0.53U	1.1	<0.57U	<0.5U	0.66J	<0.53U	0.79J	0.73J	0.62J	<0.55U
	Silver	mg/kg	0.063	6800	2.5	0.3J	0.11J	1.4	<0.1U	<0.11U	<0.11U	<0.12U	<0.12U,F1	<0.1U	0.15J	<0.11U	0.14J	<0.12U	<0.11U	<0.11U
	Sodium	mg/kg	36		1200	140J	110J	160J	<57U	73J	<62U	<69U	<66U	<59U	<65U	<62U	91J	<67U	<65U	170J
	Thallium	mg/kg	0.19		<0.3U	<0.41U	<0.31U	0.54J	<0.3U	<0.33U	<0.33U	0.61J	<0.35U,F1	<0.31U	<0.34U	<0.33U	<0.34U	<0.35U	<0.35U	<0.34U
	Vanadium	mg/kg	3		21	9.8	14	20	12	13	13	9.8	14F1	13	12	13	17	13	14	14
	Zinc	mg/kg	1.2	10000	680	180	630	570	43	130	160	24	68F1,B	98B	88B	50	220	51	62	170
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
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Former Scott Technologies Site
Elmira, New York

Excavation				1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1
Location				STI-B017	STI-B018	STI-B019	STI-B020	STI-B021	STI-B022	STI-B023	STI-B024	STI-B025	STI-B025	STI-B026	STI-B027	STI-B028	STI-B029	STI-B030	STI-B031
Sample Name				STI-B017-060420	STI-B018-060420	STI-B019-060420	STI-B020-060420	STI-B021-060420	STI-B022-060420	STI-B023-060420	STI-B024-060420	DUP-10	STI-B025-060420	STI-B026-060420	STI-B027-060420	STI-B028-060420	STI-B029-060420	STI-B030-060420	STI-B031-060420
Sampled Date				6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020
Sample Depth				1-1	1-1	0.5-0.5	1-1	1-1	0.5-0.5	1-1	1-1	1-1	1-1	1-1	1-1	1-1	0-1	0.5-0.5	0.5-0.5
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**															
SVOCs	Total PAHs	mg/kg		100	9.72	3.784	10.13	3.778	11.21	1.051	17.88	3.926	0.9215	0.963	17.65	7.695	66.04	436.6	1.331	14.37
Metals	Aluminum	mg/kg	12		6800	7300	9900	6800	6900	6900	7600	8700	7400	8000	7800	7800	7300	11,000	2500	6400
	Antimony	mg/kg	0.24		0.76J,F1	1.6	3.1	0.85J	2.8	0.56J	1	0.77J	0.48J	0.55J	1.2	1.1	1.8	13	0.83J	2.2J,F1
	Arsenic	mg/kg	0.6	16	7.3	9.9	20	7	29	12	7.6	9.3	7.8	6.7	8.9	8.3	10	17	13	14
	Barium	mg/kg	12	10000	390F1	940	1600	500	1400	58	110	840	120	150	940	240	1800	1200	73	530F2
	Beryllium	mg/kg	0.24	2700	0.32J	0.37J	0.7	0.32J	0.5	0.37J	0.34J	0.41J	0.4J	0.44	0.39J	0.4J	0.38J	10	0.34J	0.47
	Cadmium	mg/kg	0.3	60	0.19J	0.51J	3.2	0.28J	2.9	0.083J	0.14J	0.77	0.12J	0.13J	0.38J	1.5	0.6	4.7	0.22J	1.1
	Calcium	mg/kg	300		5800F1	4300	24,000	2600	12,000	1100	1500	3500	2100	2100	3500	3100	4800	15,000	3000	14,000
	Chromium (III+VI)	mg/kg	0.3	800	14	48	130	17	150	9.1	11	22	9.5	9.1	45	21	38	130	8	32F1,F2
	Cobalt	mg/kg	3		6.2	7.4	16	6.3	13	6.8	4.7J	7.2	4.2J	4J	7.2	5.5J	6.6	12	3.3J	6.7
	Copper	mg/kg	1.5	10000	88F1	300	2200	84	240	36	24	79	16	17	120	53	180	1300	55	270F2
	Iron	mg/kg	6		20,000	32,000	43,000	21,000	44,000	19,000	15,000	25,000	14,000	14,000	27,000	18,000	28,000	96,000	20,000	23,000F2
	Lead	mg/kg	0.6	3900	59F1	180	530	110	270	21	28	110	55	63	140	96	300	840	25	900F2
	Magnesium	mg/kg	300		3200	2200	5900	2200	2400	1600	1800	2500	1500	1500	2300	2000	2100	4000	430J	1500F1
	Manganese	mg/kg	0.9	10000	390	460	710	420	490	320	330	410	430	330	520	310	450	850	47	260F2
	Mercury	mg/kg	0.027	5.7	0.057	0.12	1.9	0.11	1.2	0.076	0.14	0.13	1	0.57	0.47	0.17	0.23	0.2	0.086	0.17
	Nickel	mg/kg	2.4	10000	36	75	300	45	270	41	16	56	11	9.4	69	34	100	160	14	56F1,F2
	Potassium	mg/kg	300		560	530J	870	520	900	520J	430J	570	340J	330J	520	480J	660	830	480	720
	Selenium	mg/kg	0.37	6800	<0.5U	0.74J	2.1	<0.49U	2.3	<0.57U	<0.53U	<0.57U	<0.6U	<0.57U	0.74J	<0.58U	<0.55U	2	0.55J	1J
	Silver	mg/kg	0.063	6800	<0.1U	0.17J	1	<0.1U	0.74	<0.12U	<0.11U	<0.12U	<0.12U	0.17J	<0.11U	<0.12U	0.13J	5.2	0.12J	0.82
	Sodium	mg/kg	36		<59U	77J	280J	<57U	230J	<67U	<63U	<67U	<70U	<67U	<62U	<69U	99J	560	85J	420J
	Thallium	mg/kg	0.19		<0.31U	<0.35U	<0.35U	<0.3U	0.92J	<0.36U	<0.33U	<0.36U	<0.37U	<0.36U	<0.33U	<0.36U	<0.34U	0.52J	<0.3U	<0.38U
	Vanadium	mg/kg	3		11	14	19	12	18	13	13	14	14	14	14	14	15	18	9.9	15
	Zinc	mg/kg	1.2	10000	110	220	810	130	830	51	60	160	46	48	210	200	270	890	58	410F2
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
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Former Scott Technologies Site
Elmira, New York

Excavation	1-1, 2-1	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3
Location	STI-B032	STI-S007	STI-S008	STI-S009	STI-S010	STI-S007	STI-S008	STI-S009	STI-S010	STI-B003	STI-S001	STI-S002	STI-S003	STI-S004	STI-S005
Sample Name	STI-B032-060420	STI-S007A-052720	STI-S008A-052720	STI-S009A-052720	STI-S010A-060120	STI-S007B-052820	STI-S008B-052820	STI-S009B-052820	STI-S010B-060120	STI-B003-052720	STI-S001A-052220	STI-S002A-052220	STI-S003A-052220	STI-S004A-052220	STI-S005A-052220
Sampled Date	6/4/2020	5/27/2020	5/27/2020	5/27/2020	6/1/2020	5/28/2020	5/28/2020	5/28/2020	6/1/2020	5/27/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020
Sample Depth	1-1	0-0.5	0-0.5	0-0.5	0-0.5	0.5-1	0.5-1	0.5-1	0.5-1	0-1	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5

Method_Name	ChemName	Units	EQL	IRM Action Level														
SVOCs	Total PAHs	mg/kg		100	2.168	252	731.2	208.9	3637	44.05	312.7	36.93	490	73.53	2951	2324	2874	2097	5560
Metals	Aluminum	mg/kg	12		2900	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	10000	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	2700	0.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	60	0.13J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		2300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	800	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		5.2J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	10000	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		26,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	3900	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		490J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	10000	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	5.7	0.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	10000	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		490J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	6800	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	6800	<0.12U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		<67U	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		0.95J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	10000	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an ap
U - non-detect at the value shown
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
mg/kg - milligrams per kilogram
Analyte concentrations detected above IRM Action Level screening criteria are presented in ligh

Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation			1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3
Location			STI-S006	STI-S001	STI-S002	STI-S003	STI-S004	STI-S005	STI-S006	STI-B001	STI-B002
Sample Name			STI-S006A-052220	STI-S001B-052220	STI-S002B-052220	STI-S003B-052220	STI-S004B-052220	STI-S005B-052220	STI-S006B-052220	STI-B001-052220	STI-B002-052220
Sampled Date			5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020
Sample Depth			0-0.5	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0-1	0-1
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**								
SVOCs	Total PAHs	mg/kg		100	1911	33.06	21.73	160.3	914	359.5 - 418.4	22.22	6.765	3.843
Metals	Aluminum	mg/kg	12		-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	10000	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	2700	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	60	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	800	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	10000	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	3900	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	10000	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	5.7	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	10000	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	6800	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	6800	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	10000	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an a
U - non-detect at the value shown
F1 - MS and/or MSD Recovery is outside acceptance limits.
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mg/kg - milligrams per kilogram
Analyte concentrations detected above IRM Action Level screening criteria are presented in ligl

Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4
Location	STI-S011	STI-S012	STI-S013	STI-S014	STI-S015	STI-S015	STI-S016	STI-S017	STI-S018	STI-S019	STI-S020	STI-B004	STI-B005	STI-B005	STI-B006	STI-B007
Sample Name	STI-S011-060120	STI-S012-060120	STI-S013-060120	STI-S014-060120	DUP-2	STI-S015-060120	STI-S016-060120	STI-S017-060120	STI-S018-060120	STI-S019-060120	STI-S020-060120	STI-B004-060120	DUP-3	STI-B005-060120	STI-B006-060120	STI-B007-060120
Sampled Date	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020
Sample Depth	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5

Method_Name	ChemName	Units	EQL	IRM Action Level														
SVOCs	Total PAHs	mg/kg		100	375	1176	958.5	225.7	197.2	501.7	1248	263.6	33.73	98.28	255.5	1567	201.6	111.9	3.717	189.8
Metals	Aluminum	mg/kg	12		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	3900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an a
U - non-detect at the value shown
F1 - MS and/or MSD Recovery is outside acceptance limits.
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mg/kg - milligrams per kilogram
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Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation			1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5
Location			STI-S021	STI-S022	STI-S023	STI-S024	STI-S025	STI-S025	STI-S026	STI-B008	STI-B009
Sample Name			STI-S021-060220	STI-S022-060220	STI-S023-060220	STI-S024-060220	DUP-4	STI-S025-060220	STI-S026-060220	STI-B008-060220	STI-B009-060220
Sampled Date			6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020
Sample Depth			0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**								
SVOCs	Total PAHs	mg/kg		100	37.24	7.014	16.12	10.03	4.682	13.34	93.19	9.1	10.93
Metals	Aluminum	mg/kg	12		-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	10000	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	2700	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	60	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	800	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	10000	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	3900	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	10000	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	5.7	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	10000	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	6800	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	6800	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	10000	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		25	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0062		-	-	-	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0024		-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an a
U - non-detect at the value shown
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Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation			1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6
Location			STI-S027	STI-S028	STI-S029	STI-S030	STI-S031	STI-S032	STI-S033	STI-B010	STI-B011	STI-B012
Sample Name			STI-S027-060320	STI-S028-060320	STI-S029-060320	STI-S030-060320	STI-S031-060320	STI-S032-060320	STI-S033-060320	STI-B010-060320	STI-B011-060320	STI-B012-060320
Sampled Date			6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020
Sample Depth			0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-1	0-1	0-1
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**									
SVOCs	Total PAHs	mg/kg		100	-	-	-	-	-	-	-	-	-	-
Metals	Aluminum	mg/kg	12		-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	10000	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	2700	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	60	-	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	800	-	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	10000	-	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	3900	-	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		-	-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	10000	-	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	5.7	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	10000	-	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	6800	-	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	6800	-	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		-	-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	10000	-	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		25	0.1151	0.0792	<0.0444	<0.0444	0.1136	0.5131	<0.0423	0.1716	<0.0449	0.086
	Arochlor 1016	mg/kg	0.0058		<0.0059U	<0.0059U	<0.0061U	<0.0061U	<0.0065U	<0.0067U	<0.0058U	<0.0061U	<0.0061U	<0.0063U
	Arochlor 1221	mg/kg	0.0063		<0.0064U	<0.0065U	<0.0066U	<0.0066U	<0.0071U	<0.0073U	<0.0063U	<0.0066U	<0.0067U	<0.0068U
	Arochlor 1232	mg/kg	0.0043		<0.0044U	<0.0044U	<0.0045U	<0.0045U	<0.0049U	<0.005U	<0.0043U	<0.0046U	<0.0046U	<0.0047U
	Arochlor 1242	mg/kg	0.0026		<0.0027U	<0.0027U	<0.0027U	<0.0027U	<0.0029U	<0.003U	<0.0026U	<0.0027U	<0.0028U	<0.0028U
	Arochlor 1248	mg/kg	0.0043		0.048	0.031	<0.0045U	<0.0045U	0.04	0.2	<0.0043U	0.077	<0.0045U	0.029
	Arochlor 1254	mg/kg	0.0053		0.033	0.016J,p	<0.0056U	<0.0056U	0.038	0.21	<0.0053U	0.053	<0.0057U	0.026
	Arochlor 1260	mg/kg	0.0051		0.02	0.018	<0.0053U	<0.0053U	0.02	0.087	<0.0051U	0.027	<0.0054U	0.016J
	Arochlor 1262	mg/kg	0.0062		<0.0064U	<0.0064U	<0.0066U	<0.0066U	<0.007U	<0.0073U	<0.0062U	<0.0066U	<0.0066U	<0.0068U
	Arochlor 1268	mg/kg	0.0024		<0.0024U	<0.0025U	<0.0025U	<0.0025U	<0.0027U	<0.0028U	<0.0024U	<0.0025U	<0.0025U	<0.0026U

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an a
U - non-detect at the value shown
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
mg/kg - milligrams per kilogram
Analyte concentrations detected above IRM Action Level screening criteria are presented in ligl

Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation			MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA
Location			MSA-B001	MSA-B002	MSA-B003	MSA-B004	MSA-B005	MSA-B005	MSA-B006	MSA-B007	MSA-B008	MSA-B009	MSA-B010	MSA-B011	MSA-B012	MSA-B013	MSA-B014	MSA-B015
Sample Name			MSA-B001-051620	MSA-B002-051620	MSA-B003-051620	MSA-B004-051620	DUP-1	MSA-B005-051720	MSA-B006-051620	MSA-B007-051620	MSA-B008-051620	MSA-B009-051620	MSA-B010-051620	MSA-B011-051620	MSA-B012-051620	MSA-B013	MSA-B014	MSA-B015
Sampled Date			5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/17/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	6/24/2020	6/24/2020	6/24/2020
Sample Depth			0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**														
SVOCs	Total PAHs	mg/kg		100	71.81	5.896	23.57	2.06	6.978	12.54	3.977	0.6505	2.407	44.07	9.368	11.28	8.282	9.309	25.62	17.92
Metals	Aluminum	mg/kg	12		7200	8200	5400	6500	5900	7100	8000	10,000	7000	6900	4700	6700	3300	7500	8100	3600
	Antimony	mg/kg	0.24		<0.26U	0.38J	0.32J	0.49J	<0.3U	0.64J	0.71	0.54J	3.7	0.47J	0.25J	0.51J	<0.26U	<0.32U	1.6	<0.3U
	Arsenic	mg/kg	0.6	16	5.6	5.6	4.3	5.2	5	6.4	6.9	6	14	6	8.9	4.2	3.7	6.9	7.8	4.5
	Barium	mg/kg	12	10000	61	45	41	84	72	97	120	76	170	68	75	69	46	140	160	45
	Beryllium	mg/kg	0.24	2700	0.3	0.38	0.21J	0.31	0.25J	0.33	0.38	0.41	0.49	0.29	0.23J	0.26	0.15J	0.36J	0.4	0.21J
	Cadmium	mg/kg	0.3	60	0.26J	0.049J	0.29J	0.093J	0.23J	0.27J	0.17J	0.063J	0.34J	0.17J	0.28J	0.15J	0.25J	0.22J	0.19J	0.34J
	Calcium	mg/kg	300		40,000	1400	66,000	860	46,000	20,000	1700	2200	2300	40,000	44,000	19,000	140,000	38,000	17,000	150,000
	Chromium (III+VI)	mg/kg	0.3	800	9	8.7	6.8	7.9	13	18	14	12	80	11	7.6	9.6	5.3	12	24	7.1
	Cobalt	mg/kg	3		5.9	7.3	4.6	7.9	5.2	6.4	7.4	7.7	8.2	6.5	4.8	6	3.6J	5.9	7.8	4.2J
	Copper	mg/kg	1.5	10000	22	9.4	19	17	51	38	42	22	120	36	48	39	19	38	59	17
	Iron	mg/kg	6		14,000	16,000	12,000	13,000	15,000	16,000	17,000	18,000	61,000	17,000	13,000	16,000	7800	16,000	22,000	8100
	Lead	mg/kg	0.6	3900	30	10	28	16	47	62	63	35	680	49	65	33	27	61	340	31
	Magnesium	mg/kg	300		13,000	2100	9000	1500	6200	4500	1800	2600	1500	8300	11,000	4700	13,000	8000	4200	26,000
	Manganese	mg/kg	0.9	10000	420	550	230	760	380	410	640	330	460	360	330	350	270	400	460	350
	Mercury	mg/kg	0.027	5.7	0.14	0.033J	0.033J	0.034J	0.052	0.06	0.034J	<0.027U	0.72	0.047	0.07	0.048	0.056	0.067	0.11	0.035J
	Nickel	mg/kg	2.4	10000	17	12	14	15	22	30	33	23	160	28	20	20	13	26	47	14
	Potassium	mg/kg	300		570	430	450	390	520	580	600	560	570	570	500	450	420	670	720	800
	Selenium	mg/kg	0.37	6800	0.85	<0.37U	1.6	0.36J	1.4	0.71	0.65	0.45J	1.7	0.99	1	0.82	1.8	0.7J	0.86J	1.9
	Silver	mg/kg	0.063	6800	<0.079U	<0.075U	<0.095U	<0.063U	<0.094U	<0.073U	<0.067U	<0.07U	<0.078U	<0.075U	<0.066U	<0.069U	<0.082U	<0.099U	<0.1U	<0.093U
	Sodium	mg/kg	36		65J	<43U	60J	<36U	67J	66J	<38U	<40U	89J	77J	61J	43J	88J	71J	60J	150J
	Thallium	mg/kg	0.19		<0.24U	<0.23U	<0.29U	<0.19U	<0.29U	<0.22U	<0.2U	<0.21U	0.37J	<0.23U	<0.2U	<0.21U	<0.25U	<0.3U	<0.32U	<0.28U
	Vanadium	mg/kg	3		11	14	8.8	9.6	9.5	11	12	14	19	11	7.6	10	5.9	12	14	8.6
	Zinc	mg/kg	1.2	10000	59	40	44	39	60	69	73	53	88	62	55	58	41	87	95	36
PCBs	Total PCBs	mg/kg		25	0.5886	0.262	0.2894	0.104	1.295	0.1478	0.08245	0.06915	0.04705	1.193	0.5636	0.6856	0.1088	0.2549	0.549	0.3611
	Arochlor 1016	mg/kg	0.0058		<0.0065U	<0.0067U	<0.006U	<0.0063U	<0.0064U	<0.0063U	<0.0065U	<0.0068U	<0.0078U	<0.0066U	<0.0065U	<0.0065U	<0.0059U	<0.0062U	<0.0063U	<0.0063U
	Arochlor 1221	mg/kg	0.0063		<0.0071U	<0.0073U	<0.0065U	<0.0068U	<0.007U	<0.0068U	<0.0071U	<0.0074U	<0.0085U	<0.0071U	<0.0071U	<0.0071U	<0.0065U	<0.0068U	<0.0068U	<0.0069U
	Arochlor 1232	mg/kg	0.0043		<0.0049U	<0.005U	<0.0045U	<0.0047U	<0.0048U	<0.0047U	<0.0049U	<0.0051U	<0.0059U	<0.0049U	<0.0049U	<0.0049U	<0.0044U	<0.0047U	<0.0047U	<0.0047U
	Arochlor 1242	mg/kg	0.0026		<0.0029U	<0.003U	<0.0027U	<0.0028U	<0.0029U	<0.0028U	<0.0029U	<0.003U	<0.0035U	<0.003U	<0.0029U	<0.0029U	<0.0027U	<0.0028U	<0.0028U	<0.0028U
	Arochlor 1248	mg/kg	0.0043		0.3	0.13	0.13	0.035	0.68	0.069	0.04	0.031	<0.0058U	0.67	0.28	0.39	0.056	0.12	0.31	0.18
	Arochlor 1254	mg/kg	0.0053		0.18	0.075	0.088	0.026	0.46	0.061	0.024	0.019J	0.022J	0.41	0.2	0.2	0.036	0.093	0.18	0.12
	Arochlor 1260	mg/kg	0.0051		0.093	0.041	0.057	0.028	0.14	<0.0055U	<0.0057U	<0.0059U	<0.0069U	0.097	0.068	0.08	<0.0052U	0.027	0.044	0.046
	Arochlor 1262	mg/kg	0.0062		<0.007U	<0.0072U	<0.0065U	<0.0068U	<0.0069U	<0.0068U	<0.0071U	<0.0073U	<0.0085U	<0.0071U	<0.0071U	<0.007U	<0.0064U	<0.0067U	<0.0068U	<0.0068U
	Arochlor 1268	mg/kg	0.0024		<0.0027U	<0.0028U	<0.0025U	<0.0026U	<0.0026U	<0.0026U	<0.0027U	<0.0028U	<0.0032U	<0.0027U	<0.0027U	<0.0027U	<0.0024U	<0.0026U	<0.0026U	<0.0026U

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an ap
U - non-detect at the value shown
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
mg/kg - milligrams per kilogram
Analyte concentrations detected above IRM Action Level screening criteria are presented in ligl

Table 3
End-Point Sampling Results- South of Building 88

Former Scott Technologies Site
Elmira, New York

Excavation				MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA
Location				MSA-B016	MSA-B017	MSA-B018	MSA-B019	MSA-B020	MSA-B021	MSA-B022	MSA-B023	MSA-B024
Sample Name				MSA-B016	MSA-B017	MSA-B018	MSA-B019	MSA-B020	MSA-B021	MSA-B022	MSA-B023	MSA-B024
Sampled Date				6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020
Sample Depth				0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Method_Name	**ChemName**	**Units**	**EQL**	**IRM Action Level**								
SVOCs	Total PAHs	mg/kg		100	6.556	78.8	10.84	4.597	10.61	17.65	96.2	86.31	99.91
Metals	Aluminum	mg/kg	12		8700	7000	7200	10,000	8100	7700	8600	6000	4000
	Antimony	mg/kg	0.24		<0.31U	<0.3U	<0.37U,F1	<0.27U	<0.33U	<0.31U	0.45J	<0.24U,F1	<0.24U
	Arsenic	mg/kg	0.6	16	6.8	5.9	6.2	5.5	6.6	7.2	7	4.6	5.8
	Barium	mg/kg	12	10000	130	120	100F1	94	130	130	190	76F1,F2	53
	Beryllium	mg/kg	0.24	2700	0.37	0.32J	0.29J	0.35	0.37J	0.37	0.42	0.27J,F1	0.21J
	Cadmium	mg/kg	0.3	60	0.088J	0.34J	0.22J	0.094J	0.2J	0.18J	0.23J	0.22J	0.51
	Calcium	mg/kg	300		9600	77,000	33,000F2	10,000	46,000	25,000	16,000	65,000	140,000
	Chromium (III+VI)	mg/kg	0.3	800	12	10	21F1	13	9.6	13	18	9.9F1	7.9
	Cobalt	mg/kg	3		7.9	5.2	5.9	5.5	5.8	6.4	6.6	5	4.6J
	Copper	mg/kg	1.5	10000	26	35	51	21	23	32	86	23	30
	Iron	mg/kg	6		18,000	14,000	20,000F2	17,000	15,000	17,000	20,000	13,000	9900
	Lead	mg/kg	0.6	3900	31	91	42F1	17	35	41	52	34	35
	Magnesium	mg/kg	300		3400	16,000	6400F2,F1	3800	8000	6900	3400	11,000	26,000
	Manganese	mg/kg	0.9	10000	370	490	870F2	270	480	450	350	360	330
	Mercury	mg/kg	0.027	5.7	0.072	0.18	0.44F1,F2	0.03J	0.063	0.059	0.11	0.074	0.056
	Nickel	mg/kg	2.4	10000	20	19	18	16	18	23	34	18	17
	Potassium	mg/kg	300		760	640	460J	610	670	640	720	480	490
	Selenium	mg/kg	0.37	6800	<0.47U	1.3	0.59J	0.52J	1.2	0.59J	0.44J	1.3	2
	Silver	mg/kg	0.063	6800	<0.096U	<0.093U	<0.11U	<0.083U	<0.1U	<0.096U	<0.084U	<0.073U	<0.074U
	Sodium	mg/kg	36		<55U	81J	<66U	<47U	69J	55J	56J	72J	100J
	Thallium	mg/kg	0.19		<0.29U	<0.28U	<0.35U	<0.25U	<0.31U	<0.29U	<0.26U	<0.22U	<1.1U
	Vanadium	mg/kg	3		13	12	12	13	13	13	14	13F1	7.7
	Zinc	mg/kg	1.2	10000	66	73	89F1	59	67	78	110	56	48
PCBs	Total PCBs	mg/kg		25	0.5719	0.7248	0.1627	0.02925	0.3153	0.2053	0.1526	0.4349	0.4481
	Arochlor 1016	mg/kg	0.0058		<0.0062U	<0.0062U	<0.0061U	<0.0063U	<0.0064U	<0.0064U	<0.0065U	<0.0062U	<0.0063U
	Arochlor 1221	mg/kg	0.0063		<0.0068U	<0.0067U	<0.0067U	<0.0068U	<0.0069U	<0.007U	<0.0071U	<0.0068U	<0.0069U
	Arochlor 1232	mg/kg	0.0043		<0.0047U	<0.0046U	<0.0046U	<0.0047U	<0.0048U	<0.0048U	<0.0049U	<0.0047U	<0.0047U
	Arochlor 1242	mg/kg	0.0026		<0.0028U	<0.0028U	<0.0028U	<0.0028U	<0.0029U	<0.0029U	<0.0029U	<0.0028U	<0.0028U
	Arochlor 1248	mg/kg	0.0043		0.31	0.35	0.067	0.0086J	0.17	0.11	0.071	0.21	0.18
	Arochlor 1254	mg/kg	0.0053		0.19	0.25	0.05	<0.0058U	0.1	0.063	0.048	0.14	0.17
	Arochlor 1260	mg/kg	0.0051		0.057	0.11	0.031	<0.0055U	0.03	0.017J	0.018J	0.07	0.083
	Arochlor 1262	mg/kg	0.0062		<0.0067U	<0.0067U	<0.0066U	<0.0068U	<0.0069U	<0.0069U	<0.007U	<0.0067U	<0.0068U
	Arochlor 1268	mg/kg	0.0024		<0.0026U	<0.0025U	<0.0025U	<0.0026U	<0.0026U	<0.0026U	<0.0027U	<0.0026U	<0.0026U

Notes:
EQL - Estimated Quantitation Limit
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an a
U - non-detect at the value shown
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
mg/kg - milligrams per kilogram
Analyte concentrations detected above IRM Action Level screening criteria are presented in ligl

Table 4
Endpoint Sampling Results- Outside of FRA

Former Scott Technologies Site
Elmira, New York

				Excavation	1-7	1-7	1-7	1-7	1-7	1-7
				Location	STI-S070	STI-S071	STI-S072	STI-S073	STI-B033	STI-B034
				Sample Name	STI-S070-061720	STI-S071-061720	STI-S072-061720	STI-S073-061720	STI-B033-061720	STI-B034-061720
				Sampled Date	6/17/2020	6/17/2020	6/17/2020	6/17/2020	6/17/2020	6/17/2020
				Sample Depth	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
				Residential SCO						
Group	**Analyte**	**Units**	**EQL**							
Metals	Aluminum	mg/kg	20		11,000	9100	6400	7900	8600	8800
	Antimony	mg/kg	0.35		<0.41U,F1	1.7	2.3J	<0.35U	0.51J	3.1
	Arsenic	mg/kg	1	16	9.4	13	14	7.7	9.2	15
	Barium	mg/kg	20	350	200F1	380	2800	74	270	1300
	Beryllium	mg/kg	0.41	14	0.41J	0.38J	0.31J	0.36J	0.41J	0.4J
	Cadmium	mg/kg	0.51	2.5	1	1.4	3.1	0.33J	1	2.7
	Calcium	mg/kg	510		6200F1	6900	5800	1600	3600	9700
	Chromium (hexavalent)	mg/kg	0.24	22	<1.4U	<1.2U	<1.2U	<0.24U	<1.3U	<1.3U
	Chromium (III+VI)	mg/kg	0.51	36	15	20	28	9.8	14	28
	Cobalt	mg/kg	5.1		6J	6.9	5J	6.7	6.9	11
	Copper	mg/kg	2.5	270	45	47	77	18	46	130
	Iron	mg/kg	10		15,000	16,000	13,000	17,000	17,000	19,000
	Lead	mg/kg	1	400	330F2	880	6300	140	600	4100
	Magnesium	mg/kg	510		2000	2300	1400	2200	2000	2200
	Manganese	mg/kg	1.5	2000	580F2	510	380	390	590	720
	Mercury	mg/kg	0.038	0.81	0.18F1	0.15	0.085	0.042	0.29	0.28
	Nickel	mg/kg	4.1	140	15	16	14	16	16	20
	Potassium	mg/kg	510		1000	920	780	600	760	890
	Selenium	mg/kg	0.52	36	0.68J	1J	<0.57U	<0.52U	0.98J	1.4
	Silver	mg/kg	0.11	36	<0.13U,F1	<0.12U	0.44J	<0.11U	0.19J	1.2
	Sodium	mg/kg	61		130J	77J	200J	<61U	<63U	150J
	Thallium	mg/kg	0.33		<0.39U	<0.37U	<0.36U	<0.33U	<0.33U	<0.41U
	Vanadium	mg/kg	5.1		14	14	15	13	15	26
	Zinc	mg/kg	2	2200	200	500	2200	180	330	1600
SVOCs	1,1-Biphenyl	mg/kg	0.015		<0.017U	<0.016U	<0.015U	<0.015U	<0.017U	<0.018U
	1,2,4,5-tetrachlorobenzene	mg/kg	0.016		<0.018U	<0.016U	<0.016U	<0.016U	<0.017U	<0.018U
	1,4-Dioxane	mg/kg	0.11	9.8	<0.13U,*	<0.12U,*	<0.11U,*	<0.11U,F1,*	<0.12U,*	<0.13U,*
	2,3,4,6-tetrachlorophenol	mg/kg	0.15		<0.17U	<0.16U	<0.15U	<0.15U	<0.16U	<0.18U
	2,4,5-trichlorophenol	mg/kg	0.026		<0.03U	<0.027U	<0.026U	<0.026U	<0.028U	<0.03U
	2,4,6-trichlorophenol	mg/kg	0.02		<0.023U	<0.021U	<0.02U	<0.02U	<0.022U	<0.023U
	2,4-dichlorophenol	mg/kg	0.028		<0.032U	<0.029U	<0.028U	<0.028U	<0.03U	<0.033U
	2,4-dimethylphenol	mg/kg	0.023		<0.026U	<0.024U	<0.023U	<0.023U	<0.024U	<0.026U
	2,4-dinitrophenol	mg/kg	2		<2.3U	<2.1U	<2U	<2U,F1	<2.2U	<2.4U
	2,4-Dinitrotoluene	mg/kg	0.055		<0.063U	<0.058U	<0.055U	<0.055U	<0.059U	<0.064U
	2,6-dinitrotoluene	mg/kg	0.023		<0.026U	<0.024U	<0.023U	<0.023U	<0.024U	<0.026U
	2-chloronaphthalene	mg/kg	0.017		<0.019U	<0.017U	<0.017U	<0.017U	<0.018U	<0.02U
	2-chlorophenol	mg/kg	0.017		<0.019U	<0.018U	<0.017U	<0.017U	<0.018U	<0.02U
	2-methylnaphthalene	mg/kg	0.018		0.022J	0.032J	<0.018U	<0.018U	<0.019U	<0.02U
	2-methylphenol	mg/kg	0.1	100	<0.12U	<0.11U	<0.1U	<0.11U	<0.11U	<0.12U
	2-nitroaniline	mg/kg	0.17		<0.19U	<0.17U	<0.17U	<0.17U,F1	<0.18U	<0.19U
	2-nitrophenol	mg/kg	0.058		<0.066U	<0.061U	<0.058U	<0.059U	<0.063U	<0.068U
	3,3-Dichlorobenzidine	mg/kg	0.34		<0.39U	<0.36U	<0.34U	<0.34U	<0.37U	<0.4U
	3-nitroaniline	mg/kg	0.093		<0.11U	<0.097U	<0.093U	<0.094U	<0.1U	<0.11U
	4,6-Dinitro-2-methylphenol	mg/kg	0.63		<0.71U	<0.66U	<0.63U	<0.63U	<0.68U	<0.74U
	4-bromophenyl phenyl ether	mg/kg	0.026		<0.029U	<0.027U	<0.026U	<0.026U	<0.028U	<0.03U
	4-chloro-3-methylphenol	mg/kg	0.017		<0.02U	<0.018U	<0.017U	<0.017U	<0.019U	<0.02U
	4-chloroaniline	mg/kg	0.025		<0.028U,*	<0.026U,*	<0.025U,*	<0.025U,F1,*	<0.027U,*	<0.029U,*
	4-chlorophenyl phenyl ether	mg/kg	0.022		<0.025U	<0.023U	<0.022U	<0.022U	<0.024U	<0.026U
	4-methylphenol	mg/kg	0.11	34	<0.12U	<0.11U	<0.11U	<0.11U	<0.12U	<0.13U
	4-nitroaniline	mg/kg	0.018		<0.02U	<0.019U	<0.018U	<0.018U	<0.019U	<0.021U
	4-nitrophenol	mg/kg	0.26		<0.29U	<0.27U	<0.26U	<0.26U	<0.28U	<0.3U
	Acenaphthene	mg/kg	0.021	100	<0.024U	<0.022U	<0.021U	<0.021U	<0.023U	<0.025U
	Acenaphthylene	mg/kg	0.074	100	0.15	0.12	0.045J	0.016J	0.051J	0.068J
	Acetophenone	mg/kg	0.02		<0.023U	<0.021U	<0.02U	<0.02U	<0.021U	<0.023U
	Anthracene	mg/kg	0.019	100	0.17	0.13	0.035J	<0.019U	0.053J	0.056J
	Atrazine	mg/kg	0.16		<0.18U	<0.17U	<0.16U	<0.16U	<0.17U	<0.19U
	Benz(a)anthracene	mg/kg	0.074	1	0.62	0.42	0.098	0.049J	0.19	0.18
	Benzaldehyde	mg/kg	0.045		<0.051U	<0.047U	<0.045U	<0.046U	0.078J	<0.053U
	Benzo(a) pyrene	mg/kg	0.074	1	0.7	0.45	0.099	0.057J	0.18	0.19
	Benzo(b)fluoranthene	mg/kg	0.074	1	0.88	0.56	0.15	0.085	0.3	0.3
	Benzo(g,h,i)perylene	mg/kg	0.074	100	0.51	0.34	0.087	0.051J	0.14	0.2
	Benzo(k)fluoranthene	mg/kg	0.074	1	0.31	0.2	0.049J	0.027J	0.095	0.089
	Bis(2-chloroethoxy) methane	mg/kg	0.017		<0.02U	<0.018U	<0.017U	<0.018U	<0.019U	<0.02U
	Bis(2-chloroethyl)ether	mg/kg	0.013		<0.015U	<0.014U	<0.013U	<0.013U	<0.014U	<0.015U
	Bis(2-chloroisopropyl) ether	mg/kg	0.027		<0.031U	<0.028U	<0.027U	<0.027U,F1	<0.029U	<0.032U
	Bis(2-ethylhexyl) phthalate	mg/kg	0.39		<0.44U	<0.41U	<0.39U	<0.39U	<0.42U	<0.45U
	Butyl benzyl phthalate	mg/kg	0.25		<0.28U	<0.26U	<0.25U	<0.25U	<0.27U	<0.29U
	Caprolactam	mg/kg	0.24		<0.27U	<0.25U	<0.24U	<0.24U	<0.26U	<0.28U
	Carbazole	mg/kg	0.017		0.032J	0.038J	0.018J	<0.017U	<0.018U	<0.02U
	Chrysene	mg/kg	0.074	1	0.66	0.45	0.13	0.065J	0.23	0.22
	Dibenz(a,h)anthracene	mg/kg	0.047	0.33	0.12	0.071J	<0.047U	<0.047U	<0.05U	0.056J
	Dibenzofuran	mg/kg	0.016	14	<0.018U	<0.017U	<0.016U	<0.016U	<0.017U	<0.019U
	Diethylphthalate	mg/kg	0.13		<0.15U	<0.13U	<0.13U	<0.13U	<0.14U	<0.15U
	Dimethyl phthalate	mg/kg	0.027		<0.031U	<0.028U	<0.027U	<0.027U	<0.029U	<0.032U
	Di-n-butyl phthalate	mg/kg	0.16		<0.18U	<0.17U	<0.16U	<0.16U	<0.17U	<0.19U
	Di-n-octyl phthalate	mg/kg	0.21		<0.24U	<0.22U	<0.21U	<0.21U	<0.23U	<0.25U
	Fluoranthene	mg/kg	0.074	100	1	0.79	0.2	0.092	0.28	0.29
	Fluorene	mg/kg	0.014	100	<0.016U	0.04J	<0.014U	<0.014U	<0.015U	<0.017U
	Hexachlorobenzene	mg/kg	0.026	0.33	<0.03U	<0.027U	<0.026U	<0.026U,F1	<0.028U	<0.031U
	Hexachlorobutadiene	mg/kg	0.021		<0.024U	<0.022U	<0.021U	<0.022U	<0.023U	<0.025U
	Hexachlorocyclopentadiene	mg/kg	0.037		<0.042U	<0.039U	<0.037U	<0.038U	<0.04U	<0.044U
	Hexachloroethane	mg/kg	0.019		<0.021U	<0.02U	<0.019U	<0.019U	<0.02U	<0.022U
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.074	0.5	0.41	0.29	0.061J	0.038J	0.15	0.18
	Isophorone	mg/kg	0.019		<0.021U	<0.019U	<0.019U	<0.019U	<0.02U	<0.022U
	Naphthalene	mg/kg	0.014	100	<0.016U	0.029J	<0.014U	<0.014U	0.016J	<0.017U
	Nitrobenzene	mg/kg	0.13		<0.15U	<0.14U	<0.13U	<0.13U	<0.14U	<0.16U
	N-nitrosodi-n-propylamine	mg/kg	0.025		<0.028U	<0.026U	<0.025U	<0.025U	<0.027U	<0.029U
	n-Nitrosodiphenylamine	mg/kg	0.12		<0.14U	<0.13U	<0.12U	<0.12U	<0.13U	<0.14U
	Pentachlorophenol	mg/kg	0.59	2.4	<0.67U	<0.61U	<0.59U	<0.59U	<0.63U	<0.69U
	Phenanthrene	mg/kg	0.074	100	0.4	0.43	0.11	0.038J	0.14	0.13
	Phenol	mg/kg	0.11	100	<0.13U	<0.12U	<0.11U	<0.11U,F1	<0.12U	<0.13U
	Pyrene	mg/kg	0.074	100	1	0.78	0.2	0.087	0.3	0.26

Notes:
EQL - Estimated Quantitation Limit
U - non-detect at the value shown
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 5
Analytical Results for Imported Soil

Former Scott Technologies Site
Elmira, New York

				Sample ID	BP-10G	BP-11G	BP-1C	BP-1G	BP-2C	BP-2G	BP-3C	BP-3G	BP-4C	BP-4G	BP-5G	BP-6G	BP-7G	BP-8G	BP-9G
				Sample Date	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020
				Lab Report Number	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1
				DER-10 App5 Unrestricted Use															
Group	**Constituent**	**Units**	**EQL**																
PCBs	Arochlor 1016	mg/kg	0.0061		-	-	<0.0063	-	<0.0061	-	<0.0061	-	<0.0063	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0067		-	-	<0.0068	-	<0.0067	-	<0.0067	-	<0.0069	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0046		-	-	<0.0047	-	<0.0046	-	<0.0046	-	<0.0047	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0028		-	-	<0.0028	-	<0.0028	-	<0.0028	-	<0.0028	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0045		-	-	<0.0046	-	<0.0045	-	<0.0045	-	<0.0047	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0057		-	-	<0.0058	-	<0.0057	-	<0.0057	-	<0.0058	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0054		-	-	<0.0055	-	<0.0054	-	<0.0054	-	<0.0055	-	-	-	-	-	-
	Arochlor 1262	mg/kg	0.0066		-	-	<0.0068	-	<0.0066	-	<0.0066	-	<0.0068	-	-	-	-	-	-
	Arochlor 1268	mg/kg	0.0025		-	-	<0.0026	-	<0.0025	-	<0.0025	-	<0.0026	-	-	-	-	-	-
	Total PCBs	mg/kg		0.1	-	-	<0.0459	-	<0.0449	-	<0.0449	-	<0.0461	-	-	-	-	-	-
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.16		-	-	<0.16	-	<0.16	-	<0.16	-	<0.17	-	-	-	-	-	-
	8:2-Fluorotelomersulfonic acid	µg/kg	0.27		-	-	<0.27	-	<0.27	-	<0.27	-	<0.28	-	-	-	-	-	-
	NEtFOSAA	µg/kg	0.4		-	-	<0.4	-	<0.4	-	<0.4	-	<0.41	-	-	-	-	-	-
	NMeFOSAA	µg/kg	0.42		-	-	<0.42	-	<0.42	-	<0.42	-	<0.43	-	-	-	-	-	-
	Perfluorobutanesulfonic acid	µg/kg	0.027		-	-	<0.027	-	<0.027	-	<0.027	-	<0.028	-	-	-	-	-	-
	Perfluorobutanoic acid	µg/kg	0.21		-	-	0.16	-	0.15	-	0.13	-	0.14	-	-	-	-	-	-
	Perfluorodecanesulfonic acid	µg/kg	0.042		-	-	<0.042	-	<0.042	-	<0.042	-	<0.043	-	-	-	-	-	-
	Perfluorodecanoic acid	µg/kg	0.024		-	-	<0.024	-	<0.024	-	<0.024	-	<0.024	-	-	-	-	-	-
	Perfluorododecanoic acid	µg/kg	0.072		-	-	<0.072	-	<0.072	-	<0.072	-	<0.074	-	-	-	-	-	-
	Perfluoroheptanesulfonic acid	µg/kg	0.038		-	-	<0.038	-	<0.038	-	<0.038	-	<0.039	-	-	-	-	-	-
	Perfluoroheptanoic acid	µg/kg	0.031		-	-	0.034	-	<0.031	-	<0.031	-	<0.032	-	-	-	-	-	-
	Perfluorohexanesulfonic acid	µg/kg	0.033		-	-	<0.033	-	<0.034	-	<0.033	-	<0.034	-	-	-	-	-	-
	Perfluorohexanoic acid	µg/kg	0.045		-	-	<0.045	-	<0.045	-	<0.045	-	<0.047	-	-	-	-	-	-
	Perfluorononanoic acid	µg/kg	0.039		-	-	<0.039	-	<0.039	-	<0.039	-	<0.04	-	-	-	-	-	-
	Perfluorooctanesulfonamide	µg/kg	0.088		-	-	<0.088	-	<0.089	-	<0.088	-	<0.091	-	-	-	-	-	-
	Perfluorooctanesulfonic acid	µg/kg	0.21	1	-	-	<0.22	-	<0.22	-	<0.21	-	<0.22	-	-	-	-	-	-
	Perfluorooctanoate	µg/kg	0.092	1	-	-	<0.093	-	<0.093	-	<0.092	-	<0.096	-	-	-	-	-	-
	Perfluoropentanoic acid	µg/kg	0.083		-	-	<0.083	-	<0.083	-	<0.083	-	<0.086	-	-	-	-	-	-
	Perfluorotetradecanoic acid	µg/kg	0.058		-	-	<0.058	-	<0.058	-	<0.058	-	<0.06	-	-	-	-	-	-
	Perfluorotridecanoic acid	µg/kg	0.055		-	-	<0.055	-	<0.055	-	<0.055	-	<0.057	-	-	-	-	-	-
	Perfluoroundecanoic acid	µg/kg	0.039		-	-	<0.039	-	<0.039	-	<0.039	-	<0.04	-	-	-	-	-	-
Inorganics	Cyanide Total	mg/kg	0.26	27	-	-	<0.34	-	<0.29	-	<0.26	-	<0.29	-	-	-	-	-	-
	Arsenic	mg/kg	1	13	-	-	5.3	-	5.6	-	5.7	-	6.4	-	-	-	-	-	-
	Barium	mg/kg	21	350	-	-	59	-	53	-	55	-	55	-	-	-	-	-	-
	Beryllium	mg/kg	0.41	7.2	-	-	0.37	-	0.35	-	0.36	-	0.41	-	-	-	-	-	-
	Cadmium	mg/kg	0.51	2.5	-	-	0.12	-	0.09	-	0.1	-	0.11	-	-	-	-	-	-
	Chromium (hexavalent)	mg/kg	0.25	1	-	-	0.28	-	<0.25	-	0.34	-	<0.25	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.51	30	-	-	12	-	11	-	12	-	13	-	-	-	-	-	-
	Copper	mg/kg	2.6	50	-	-	23	-	22	-	24	-	27	-	-	-	-	-	-
	Lead	mg/kg	1	63	-	-	12	-	9.3	-	10	-	11	-	-	-	-	-	-
	Manganese	mg/kg	1.5	1600	-	-	410	-	410	-	390	-	430	-	-	-	-	-	-
	Mercury	mg/kg	0.037	0.18	-	-	0.027	-	0.025	-	0.028	-	0.025	-	-	-	-	-	-
	Nickel	mg/kg	4.1	30	-	-	19	-	17	-	18	-	20	-	-	-	-	-	-
	Selenium	mg/kg	0.53	3.9	-	-	<0.57	-	<0.54	-	<0.53	-	<0.58	-	-	-	-	-	-
	Silver	mg/kg	0.11	2	-	-	<0.12	-	<0.11	-	<0.11	-	<0.12	-	-	-	-	-	-
	Zinc	mg/kg	2.1	109	-	-	69	-	63	-	65	-	77	-	-	-	-	-	-
Pesticides	4,4-DDE	mg/kg	0.00039	0.0033	-	-	<0.00039	-	<0.00039	-	<0.00039	-	<0.0004	-	-	-	-	-	-
	a-BHC	mg/kg	0.00046	0.02	-	-	<0.00048	-	<0.00047	-	<0.00046	-	<0.00048	-	-	-	-	-	-
	Aldrin	mg/kg	0.00059	0.005	-	-	<0.0006	-	<0.00059	-	<0.00059	-	<0.0006	-	-	-	-	-	-
	b-BHC	mg/kg	0.00052	0.036	-	-	<0.00053	-	<0.00052	-	<0.00052	-	<0.00053	-	-	-	-	-	-
	Chlordane (cis)	mg/kg	0.00047		-	-	<0.00048	-	<0.00047	-	<0.00047	-	<0.00049	-	-	-	-	-	-
	d-BHC	mg/kg	0.0006	0.04	-	-	<0.00061	-	<0.0006	-	<0.0006	-	<0.00062	-	-	-	-	-	-
	DDD	mg/kg	0.00081	0.0033	-	-	<0.00083	-	<0.00081	-	<0.00081	-	<0.00083	-	-	-	-	-	-
	DDT	mg/kg	0.00074	0.0033	-	-	<0.00076	-	<0.00074	-	<0.00074	-	<0.00076	-	-	-	-	-	-
	Dieldrin	mg/kg	0.00047	0.005	-	-	<0.00048	-	<0.00047	-	<0.00047	-	<0.00049	-	-	-	-	-	-
	Endosulfan I	mg/kg	0.00051	2.4	-	-	<0.00052	-	<0.00051	-	<0.00051	-	<0.00053	-	-	-	-	-	-
	Endosulfan II	mg/kg	0.00042	2.4	-	-	<0.00043	-	<0.00042	-	<0.00042	-	<0.00043	-	-	-	-	-	-
	Endosulfan sulphate	mg/kg	0.00049	2.4	-	-	<0.0005	-	<0.00049	-	<0.00049	-	<0.00051	-	-	-	-	-	-
	Endrin	mg/kg	0.00035	0.014	-	-	<0.00036	-	<0.00035	-	<0.00035	-	<0.00036	-	-	-	-	-	-
	g-BHC (Lindane)	mg/kg	0.00049	0.1	-	-	<0.0005	-	<0.00049	-	<0.00049	-	<0.0005	-	-	-	-	-	-
	Heptachlor	mg/kg	0.00059	0.042	-	-	<0.00061	-	<0.00059	-	<0.00059	-	<0.00061	-	-	-	-	-	-
Herbicides	2,4,5-TP (Silvex)	mg/kg	0.017	3.8	-	-	<0.017	-	<0.017	-	<0.017	-	<0.017	-	-	-	-	-	-

Table 5
Analytical Results for Imported Soil

Former Scott Technologies Site
Elmira, New York

				Sample ID	BP-10G	BP-11G	BP-1C	BP-1G	BP-2C	BP-2G	BP-3C	BP-3G	BP-4C	BP-4G	BP-5G	BP-6G	BP-7G	BP-8G	BP-9G
				Sample Date	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020	5/13/2020
				Lab Report Number	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1	180-105747-1
				DER-10 App5 Unrestricted Use															
Group	**Constituent**	**Units**	**EQL**																
SVOCs	1,4-Dioxane	mg/kg	0.011	0.1	<0.038	<0.042	<0.012	<0.039	<0.012	<0.038	<0.011	<0.038	<0.012	<0.044	<0.039	<0.039	<0.035	<0.04	<0.04
	2-methylphenol	mg/kg	0.011	0.33	-	-	<0.011	-	<0.011	-	<0.011	-	<0.011	-	-	-	-	-	-
	4-methylphenol	mg/kg	0.011	0.33	-	-	<0.011	-	<0.011	-	<0.011	-	<0.011	-	-	-	-	-	-
	Acenaphthene	mg/kg	0.0074	20	-	-	0.0024	-	0.018	-	0.0031	-	0.0025	-	-	-	-	-	-
	Acenaphthylene	mg/kg	0.0074	100	-	-	0.013	-	0.014	-	0.022	-	0.013	-	-	-	-	-	-
	Anthracene	mg/kg	0.0074	100	-	-	0.015	-	0.036	-	0.022	-	0.016	-	-	-	-	-	-
	Benz(a)anthracene	mg/kg	0.0074	1	-	-	0.058	-	0.098	-	0.073	-	0.062	-	-	-	-	-	-
	Benzo(a) pyrene	mg/kg	0.0074	1	-	-	0.053	-	0.098	-	0.073	-	0.061	-	-	-	-	-	-
	Benzo(b)fluoranthene	mg/kg	0.0074	1	-	-	0.066	-	0.11	-	0.088	-	0.073	-	-	-	-	-	-
	Benzo(g,h,i)perylene	mg/kg	0.0074	100	-	-	0.047	-	0.09	-	0.066	-	0.058	-	-	-	-	-	-
	Benzo(k)fluoranthene	mg/kg	0.0074	0.8	-	-	0.02	-	0.043	-	0.033	-	0.031	-	-	-	-	-	-
	Chrysene	mg/kg	0.0074	1	-	-	0.064	-	0.1	-	0.081	-	0.072	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.0074	0.33	-	-	0.016	-	0.024	-	0.021	-	0.019	-	-	-	-	-	-
	Dibenzofuran	mg/kg	0.0017	7	-	-	<0.0017	-	0.014	-	0.0017	-	0.0023	-	-	-	-	-	-
	Fluoranthene	mg/kg	0.0074	100	-	-	0.09	-	0.23	-	0.12	-	0.12	-	-	-	-	-	-
	Fluorene	mg/kg	0.0074	30	-	-	0.0041	-	0.023	-	0.005	-	0.0041	-	-	-	-	-	-
	Hexachlorobenzene	mg/kg	0.0026	0.33	-	-	<0.0028	-	<0.0027	-	<0.0026	-	<0.0027	-	-	-	-	-	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0074	0.5	-	-	0.038	-	0.07	-	0.053	-	0.045	-	-	-	-	-	-
	Naphthalene	mg/kg	0.0074	12	-	-	0.0022	-	0.012	-	0.0026	-	0.0035	-	-	-	-	-	-
	Pentachlorophenol	mg/kg	0.059	0.8	-	-	<0.062	-	<0.062	-	<0.059	-	<0.062	-	-	-	-	-	-
	Phenanthrene	mg/kg	0.0074	100	-	-	0.03	-	0.15	-	0.03	-	0.043	-	-	-	-	-	-
	Phenol	mg/kg	0.011	0.33	-	-	<0.012	-	<0.012	-	<0.011	-	<0.012	-	-	-	-	-	-
	Pyrene	mg/kg	0.0074	100	-	-	0.092	-	0.19	-	0.12	-	0.11	-	-	-	-	-	-
VOCs	Benzene	mg/kg	0.0019	0.06	<0.002	<0.0023	-	<0.0021	-	<0.002	-	<0.002	-	<0.0024	<0.0021	<0.0021	<0.0019	<0.0022	<0.0022
	Ethylbenzene	mg/kg	0.0021	1	<0.0022	<0.0025	-	<0.0023	-	<0.0022	-	<0.0022	-	<0.0026	<0.0023	<0.0023	<0.0021	<0.0024	<0.0024
	Toluene	mg/kg	0.0016	0.7	<0.0017	<0.002	-	<0.0018	-	<0.0017	-	<0.0017	-	<0.002	<0.0018	<0.0018	<0.0016	<0.0018	<0.0019
	Xylene Total	mg/kg	0.0042	0.26	<0.0045	<0.005	-	<0.0046	-	<0.0045	-	<0.0044	-	<0.0052	<0.0046	<0.0046	<0.0042	<0.0047	<0.0048
	1,1,1-trichloroethane	mg/kg	0.0024	0.68	<0.0026	<0.0029	-	<0.0027	-	<0.0026	-	<0.0026	-	<0.003	<0.0027	<0.0027	<0.0024	<0.0028	<0.0028
	1,1-dichloroethane	mg/kg	0.0018	0.27	<0.0019	<0.0021	-	<0.0019	-	<0.0019	-	<0.0019	-	<0.0022	<0.0019	<0.0019	<0.0018	<0.002	<0.002
	1,1-dichloroethene	mg/kg	0.0028	0.33	<0.003	<0.0033	-	<0.0031	-	<0.003	-	<0.0029	-	<0.0034	<0.003	<0.003	<0.0028	<0.0031	<0.0032
	1,2-dichloroethane	mg/kg	0.0014	0.02	<0.0015	<0.0017	-	<0.0016	-	<0.0015	-	<0.0015	-	<0.0017	<0.0015	<0.0016	<0.0014	<0.0016	<0.0016
	Carbon tetrachloride	mg/kg	0.0032	0.76	<0.0034	<0.0038	-	<0.0036	-	<0.0034	-	<0.0034	-	<0.004	<0.0035	<0.0035	<0.0032	<0.0036	<0.0037
	Chlorobenzene	mg/kg	0.0015	1.1	<0.0016	<0.0018	-	<0.0017	-	<0.0016	-	<0.0016	-	<0.0019	<0.0017	<0.0017	<0.0015	<0.0017	<0.0017
	Chloroform	mg/kg	0.002	0.37	<0.0022	<0.0025	-	<0.0023	-	<0.0022	-	<0.0022	-	<0.0025	<0.0023	<0.0023	<0.002	<0.0023	<0.0023
	cis-1,2-dichloroethene	mg/kg	0.0015	0.25	<0.0016	<0.0018	-	<0.0017	-	<0.0016	-	<0.0016	-	<0.0019	<0.0017	<0.0017	<0.0015	<0.0017	<0.0017
	Dichloromethane	mg/kg	0.0037	0.05	<0.004	<0.0045	-	<0.0041	-	<0.004	-	<0.004	-	<0.0046	<0.0041	<0.0041	<0.0037	<0.0042	<0.0043
	Tetrachloroethene	mg/kg	0.0019	1.3	<0.0021	<0.0023	-	<0.0021	-	<0.0021	-	<0.0021	-	<0.0024	<0.0021	<0.0021	<0.0019	<0.0022	<0.0022
	trans-1,2-dichloroethene	mg/kg	0.0025	0.19	<0.0026	<0.0029	-	<0.0027	-	<0.0026	-	<0.0026	-	<0.003	<0.0027	<0.0027	<0.0025	<0.0028	<0.0028
	Trichloroethene	mg/kg	0.0015	0.47	<0.0016	<0.0017	-	<0.0016	-	<0.0016	-	<0.0015	-	<0.0018	<0.0016	<0.0016	<0.0015	<0.0016	<0.0017
	Vinyl chloride	mg/kg	0.0035	0.02	<0.0038	<0.0043	-	<0.0039	-	<0.0038	-	<0.0038	-	<0.0044	<0.0039	<0.0039	<0.0035	<0.004	<0.0041
	1,2-dichlorobenzene	mg/kg	0.0019	1.1	<0.0021	<0.0023	-	<0.0021	-	<0.0021	-	<0.0021	-	<0.0024	<0.0021	<0.0021	<0.0019	<0.0022	<0.0022
	1,3-dichlorobenzene	mg/kg	0.0015	2.4	<0.0017	<0.0018	-	<0.0017	-	<0.0017	-	<0.0016	-	<0.0019	<0.0017	<0.0017	<0.0015	<0.0017	<0.0018
	1,4-dichlorobenzene	mg/kg	0.00099	1.8	<0.0011	<0.0012	-	<0.0011	-	<0.0011	-	<0.001	-	<0.0012	<0.0011	<0.0011	<0.00099	<0.0011	<0.0011
	1,2,4-trimethylbenzene	mg/kg	0.0013	3.6	<0.0014	<0.0016	-	<0.0014	-	<0.0014	-	<0.0014	-	<0.0016	<0.0014	<0.0014	<0.0013	<0.0015	<0.0015
	1,3,5-trimethylbenzene	mg/kg	0.0017	8.4	<0.0018	<0.002	-	<0.0018	-	<0.0018	-	<0.0018	-	<0.0021	<0.0018	<0.0018	<0.0017	<0.0019	<0.0019
	n-butylbenzene	mg/kg	0.0037	12	<0.0039	<0.0044	-	<0.0041	-	<0.0039	-	<0.0039	-	<0.0046	<0.004	<0.0041	<0.0037	<0.0042	<0.0042
	n-propylbenzene	mg/kg	0.002	3.9	<0.0022	<0.0024	-	<0.0023	-	<0.0022	-	<0.0022	-	<0.0025	<0.0022	<0.0023	<0.002	<0.0023	<0.0023
	sec-butylbenzene	mg/kg	0.0024	11	<0.0025	<0.0028	-	<0.0026	-	<0.0025	-	<0.0025	-	<0.0029	<0.0026	<0.0026	<0.0024	<0.0027	<0.0027
	tert-butylbenzene	mg/kg	0.0018	5.9	<0.0019	<0.0021	-	<0.002	-	<0.0019	-	<0.0019	-	<0.0022	<0.002	<0.002	<0.0018	<0.002	<0.002
	Acetone	mg/kg	0.003	0.05	<0.0033	<0.0037	-	<0.0034	-	<0.0033	-	<0.0032	-	<0.0038	<0.0034	<0.0034	<0.003	<0.0035	<0.0035
	Methyl Ethyl Ketone	mg/kg	0.0028	0.12	<0.003	<0.0034	-	<0.0031	-	<0.003	-	<0.003	-	<0.0035	<0.0031	<0.0031	<0.0028	<0.0032	<0.0032
	Methyl-tert-butyl ether	mg/kg	0.0036	0.93	<0.0038	<0.0043	-	<0.004	-	<0.0038	-	<0.0038	-	<0.0044	<0.0039	<0.0039	<0.0036	<0.004	<0.0041

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above DER10 App5 Unrestricted Allowable Levels are presented in light gray.

PCBs - polychlorinated biphenyls
PFAS - per- and polyfluoroalkyl substances
SVOCs - semivolatile organic compounds
VOCs - volatile organic compounds

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1
				Location	STI-S034	STI-S035	STI-S035	STI-S036	STI-S037	STI-S038	STI-S039	STI-S040	STI-S041	STI-S042	STI-S043	STI-S044	STI-S045	STI-S045	STI-S046	STI-S047	STI-S048	STI-S049
				Sample Name	STI-S034-060520	DUP-5	STI-S035-060520	STI-S036-060520	STI-S037-060520	STI-S038A-060520	STI-S039A-060520	STI-S040A-060520	STI-S041-060520	STI-S042-060520	STI-S043-060520	STI-S044-060520	STI-S045-060520	DUP-6	STI-S046-060520	STI-S047-060520	STI-S048-060520	STI-S049-060520
				Sampled Date	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020
				Sample Depth	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																		
SVOCs	1,1-Biphenyl	mg/kg	0.015		1.9J	0.15J	0.86J	0.12J	0.81J	0.35J	2.2J	0.13J	0.11J	0.081J	0.22J	0.056J	0.018J	0.6J	0.057J	<0.017U	0.024J	0.031J
	2,4-dimethylphenol	mg/kg	0.021		<0.25U	<0.044U	0.12J	<0.023U	<0.12U	<0.094U	0.3J	<0.022U	<0.024U	<0.024U	<0.17U	<0.023U	<0.022U	0.18J	<0.026U	<0.025U	<0.022U	<0.022U
	2-methylnaphthalene	mg/kg	0.019		6.8	0.54	4	0.55	3.1	1.3	9.9	0.52	0.52	0.45	0.87	0.5	0.056J	2.2	0.19	0.043J	0.081	0.095
	4-methylphenol	mg/kg	0.099	34	<1.2U	<0.21U	<0.54U	<0.11U	<0.57U	<0.45U	<1U	<0.1U	<0.11U	<0.11U	<0.8U	<0.11U	<0.1U	<0.56U	<0.12U	<0.12U	<0.11U	<0.11U
	Acenaphthene	mg/kg	0.019	100	17	1.1	6.5	0.78	7.3	3.5	15	0.92	0.43	0.058J	2	<0.021U	0.14	6.2	0.51	<0.023U	0.025J	0.2
	Acenaphthylene	mg/kg	0.016	100	0.86	0.68	1.5	0.26	1.1	0.82	0.75	0.19	0.36	0.076J	2.1	0.053J	0.027J	0.39	0.1	0.053J	0.13	0.027J
	Acetophenone	mg/kg	0.018		<0.22U	<0.039U	<0.099U	<0.02U	<0.11U	<0.082U	<0.19U	<0.019U	<0.021U	<0.021U	<0.15U	<0.02U	<0.019U	<0.1U	<0.023U	<0.022U	<0.019U	<0.02U
	Anthracene	mg/kg	0.019	100	28	2.7	13	1.7	13	7.3	26	1.9	1.1	0.15	5	0.052J	0.29	13	1	0.064J	0.13	0.34
	Benz(a)anthracene	mg/kg	0.033	1	41	5.1	19	2.5	18	12	33	3.2	2.1	0.29	11	0.2	0.63	20	1.7	0.17	0.25	0.63
	Benzaldehyde	mg/kg	0.042		<0.51U	<0.088U	<0.23U	<0.046U	<0.24U	<0.19U	<0.44U	<0.043U	<0.048U	<0.047U	<0.34U	<0.046U	<0.044U	<0.24U	<0.052U	7.8	0.25J	<0.045U
	Benzo(a) pyrene	mg/kg	0.031	1	33	4.2	15	1.9	15	10	26	2.7	1.8	0.27	12	0.19	0.52	15	1.3	0.16	0.31	0.56
	Benzo(b)fluoranthene	mg/kg	0.067	1	37	5.8	18	2.6	17	12	28	3.1	2.3	0.35	17	0.28	0.56	16	1.5	0.23	0.46	0.64
	Benzo(g,h,i)perylene	mg/kg	0.067	100	19	2.7	8.2	1.2	9.2	6.2	15	1.8	1.3	0.21	9	0.15	0.32	8.6	0.84	0.15	0.29	0.26
	Benzo(k)fluoranthene	mg/kg	0.022	1	16	1.6	6.3	0.73	7.7	5.1	14	1.5	1.1	0.15	5.7	0.15	0.26	7.3	0.66	0.07J	0.16	0.27
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<4.4U	<0.76U	<1.9U	<0.4U	5.1J	<1.6U	<3.7U	<0.37U	<0.41U	<0.41U	<2.9U	<0.39U	<0.37U	<2U	<0.45U	<0.43U	<0.38U	<0.39U
	Carbazole	mg/kg	0.016		12	1	5.3	0.61	6	3.3	11	0.77	0.39	0.059J	1.5	0.028J	0.11	5.1	0.37	0.029J	0.037J	0.11
	Chrysene	mg/kg	0.041	1	34	4.9	17	2.3	17	11	29	2.9	2.1	0.35	11	0.21	0.53	16	1.5	0.21	0.4	0.56
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	5.6	0.91	2.6	0.34	2.9	1.9	4.6	0.53	0.4	0.067J	2.5	0.054J	0.1	3	0.26	<0.052U	0.068J	0.093
	Dibenzofuran	mg/kg	0.016	14	12	0.83	6.1	0.63	5.3	2.3	<0.15U	0.7	0.4	0.15J	1.3J	0.15J	0.079J	4.2	0.34J	0.023J	0.042J	0.13J
	Fluoranthene	mg/kg	0.067	100	83	10	40	5	41	24	71	6.3	3.7	0.5	17	0.21	1.1	36	3.2	0.33	0.71	1.3
	Fluorene	mg/kg	0.014	100	16	1.2	9	0.73	7	3.4	17	0.92	0.4	0.053J	2	<0.015U	0.12	6.1	0.49	0.023J	0.031J	0.19
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	18	2.6	7.7	1.1	8.7	6.2	15	1.7	1.2	0.18	8.6	0.14	0.31	8.5	0.8	0.12	0.25	0.26
	Naphthalene	mg/kg	0.067	100	17	0.7	6.6	0.65	8.1	2.8	20	0.79	0.46	0.27	0.91	0.34	0.085	4.3	0.27	0.036J	0.073	0.11
	Phenanthrene	mg/kg	0.067	100	88	8.2	44	4.8	42	22	83	6	2.9	0.59	11	0.31	0.78	35	3	0.19	0.37	1.2
	Pyrene	mg/kg	0.067	100	60	7	28	3.4	26	17	48	4.3	2.7	0.39	14	0.21	0.81	25	2.4	0.25	0.55	0.99
Metals	Aluminum	mg/kg	12		12,000	7500	10,000	6700	6500	6400	9600	9500	6500	3000	6500	6600	7300	14,000	9300	8800	9800	7200
	Antimony	mg/kg	0.24		4.4	4.3	4.6	4.3	2.7	3	2.5	2.2	2.9	1.3	1.4	0.84J	0.7J	1J	1.1F1	0.78J	1.3	0.68J,F2,F1
	Arsenic	mg/kg	0.6	16	17	18	28	43	18	25	31	62	56	28	83	33	6.6	15	9.2	9.5	10	7.9
	Barium	mg/kg	12	350	350	1400	640	530	440	290	560	3400	270	300	260	100	66	180	180F1	130	170	97
	Beryllium	mg/kg	0.24	14	1.4	0.5	0.78	0.44	0.46	0.62	0.92	0.48	0.53	0.35J	0.41J	0.49	0.34	0.66	0.49	0.47	0.47	0.36J
	Cadmium	mg/kg	0.3	2.5	3.2	3.7	4.3	4.1	20	1.6	2	0.92	0.44J	0.12J	0.36J	0.13J	0.12J	0.34J	0.24J	0.39J	0.38J	0.22J
	Calcium	mg/kg	300		13,000	17,000	34,000	8800	7600	13,000	16,000	3500	5200	1700	4300	5900	3500	14,000	3300	3700	1700	1400F1
	Chromium (III+VI)	mg/kg	0.3	22	60	100	52	100	360	46	65	36	17	8.2	14	13	14	82	22F1	21	20	14F1
	Cobalt	mg/kg	3		9.7	9.6	11	13	16	6.6	8.9	8.2	6.4	4.9J	5.3	5.6J	5.6	12	6.1	5.8	8.5	4.9J
	Copper	mg/kg	1.5	270	1100	850	730	910	200	260	310	370	89	48	49	18	24	56	37	33	130	1100
	Iron	mg/kg	6		48,000	41,000	83,000	87,000	32,000	28,000	42,000	39,000	26,000	25,000	22,000	26,000	19,000	42,000	20,000	20,000	25,000	24,000
	Lead	mg/kg	0.6	400	290	640	330	240	190	180	180	150	110	38	56	3.4	1300	83	55	58	900	49F1
	Magnesium	mg/kg	300		5200	5100	8900	2500	2500	2000	5700	1700	1400	600	1400	630	2400	4200	1900	1900	2400	1500
	Manganese	mg/kg	0.9	2000	700	580	690	1000	410	440	880	470	270	100	250	59	300	580	590	380	480	360F2
	Mercury	mg/kg	0.027	0.81	0.26	0.33	0.36	0.83	0.66	0.57	0.22	0.13	0.086	0.075	0.074	0.035	0.04	0.077	0.12	0.082	0.097	0.089
	Nickel	mg/kg	2.4	140	130	240	95	470	130	110	120	72	37	21	24	19	29	230	32	27	73	21F1
	Potassium	mg/kg	300		740	890	1200	710	520J	510	780	590	680	490J	500J	270J	590	1700	740	890	890	420J
	Selenium	mg/kg	0.37	36	1.1J	1.7	2.2	3.3	1.4	0.85J	1.6	1.1	1.2	2.6	<0.54U	1.1	<0.44U	1.2J	<0.59U	0.96J	0.69J	0.72J
	Silver	mg/kg	0.063	36	7.8	4.3	4.8	2.1	0.62	1.3	0.99	0.35J	<0.11U	<0.11U	<0.11U	<0.12U	<0.09U	<0.17U	<0.12U	<0.12U	<0.11U	<0.11U
	Sodium	mg/kg	36		260J	200J	390J	160J	82J	180J	190J	100J	120J	<61U	120J	190J	<52U	160J	<69U	<66U	64J	<65U
	Thallium	mg/kg	0.19		<0.38U	<0.32U	0.41J	0.79J	<0.36U	<0.33U	0.45J	<0.32U	<0.33U	<0.32U	<0.33U	<0.36U	<0.28U	<0.53U	<0.37U	<0.35U	<0.34U	<0.35U,F1
	Vanadium	mg/kg	3		17	17	18	33	15	13	17	14	14	11	13	21	12	27	17	16	17	14
	Zinc	mg/kg	1.2	2200	520	500	540	580	1500	350	370	310	180	69	90	14	60	130	93	130	170	310
PCBs	Total PCBs	mg/kg		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1
				Location	STI-S050	STI-S051	STI-S052	STI-S053	STI-S054	STI-S055	STI-S055	STI-S056	STI-S057	STI-S059	STI-S038	STI-S039	STI-S040	STI-S058	STI-S060	STI-S061	STI-S062
				Sample Name	STI-S050-060520	STI-S051-060520	STI-S052-060520	STI-S053-060520	STI-S054-060520	DUP-7	STI-S055-060520	STI-S056-060520	STI-S057-060520	STI-S059-060520	STI-S038B-060520	STI-S039B-060520	STI-S040B-060520	STI-S058-060520	STI-S060-060520	STI-S061-060520	STI-S062-060520
				Sampled Date	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020
				Sample Depth	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																	
SVOCs	1,1-Biphenyl	mg/kg	0.015		2.8J	2.2J	6.2J	0.17J	0.07J	4.6 - 5.1J	2 - 2.7J	0.41 - 0.46J	0.11J	3 - 3.5J	0.053J	0.22J	0.049J	0.053J	0.22J	0.33J	0.054J
	2,4-dimethylphenol	mg/kg	0.021		0.4J	<0.22U	<0.93U	<0.022U	<0.022U	<0.94 - 1.1J	<0.59 - 0.36J	<0.092 - 0.06J	<0.025U	<0.56 - 0.51J	<0.022U	0.032J	<0.024U	<0.022U	<0.044U	0.044J	<0.022U
	2-methylnaphthalene	mg/kg	0.019		10	8.3	27	0.64	0.29	19 - 20	7.8 - 11	1.5 - 1.9	0.39	12 - 13	0.4	0.83	0.19	0.33	0.84	1.4	0.21
	4-methylphenol	mg/kg	0.099	34	<1.1U	<1.1U	<4.4U	<0.11U	<0.11U	<4.4 - 1.8J	<0.56U	<0.11U	<0.12U	<1.1U	<0.1U	<0.11U	<0.11U	<0.11U	<0.21U	<0.13U	<0.1U
	Acenaphthene	mg/kg	0.019	100	27	20	60	1.9	0.51	41 - 43	19 - 24	3.6 - 4.3	0.91	28 - 34	0.15	2	0.26	0.18	1.9	2.4	0.19
	Acenaphthylene	mg/kg	0.016	100	0.69J	0.56J	1.9J	0.086	0.088	1.4 - 1.5J	1.6J	0.18 - 0.19J	0.15	1.1 - 1.5J	0.07J	0.19	0.089	0.18	0.44	0.23	0.12
	Acetophenone	mg/kg	0.018		<0.21U	<0.19U	<0.81U	<0.02U	<0.02U	<0.21U	<0.1U	<0.02U	<0.022U	<0.2U	<0.019U	<0.02U	<0.021U	<0.02U	<0.039U	<0.024U	<0.019U
	Anthracene	mg/kg	0.019	100	40	29	98	3.2	0.89	61 - 66	30 - 41	5.8 - 6.6	1.6	44 - 50	0.3	4	0.51	0.41	3.2	3.6	0.34
	Benz(a)anthracene	mg/kg	0.033	1	59	45	140	5.1	1.6	81 - 88	53 - 66	7.7 - 9.2	2.7	69 - 83	0.54	6.3	0.86	0.93	6	5	0.58
	Benzaldehyde	mg/kg	0.042		<0.47U	<0.44U	<1.9U	<0.045U	<0.045U	<0.47U	<0.24U	<0.046U	<0.05U	<0.45U	<0.044U	<0.046U	<0.048U	<0.045U	<0.089U	<0.055U	<0.044U
	Benzo(a) pyrene	mg/kg	0.031	1	52	39	120	4.2	1.4	68 - 72	47 - 57	6.4 - 7.2	2.4	58 - 65	0.42	5.1	0.69	0.89	5.5	4.1	0.51
	Benzo(b)fluoranthene	mg/kg	0.067	1	58	45	130	4.7	1.6	74 - 93	54 - 70	7.3 - 9.9	2.7	64 - 85	0.47	6	0.87	1.1	6.3	4.5	0.66
	Benzo(g,h,i)perylene	mg/kg	0.067	100	27	21	62	2.4	0.79	34 - 39	30	3.8 - 3.9	1.7	34 - 35	0.27	3.3	0.45	0.67	3.7	2.6	0.35
	Benzo(k)fluoranthene	mg/kg	0.022	1	22	15	55	1.9	0.69	30 - 31	18 - 30	2.5 - 2.6	1.1	24 - 30	0.26	2.4	0.33	0.38	2.3	1.7	0.15
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<4.1U	<3.8U	<16U	<0.38U	<0.38U	<16 - 10J	<2U	<0.4U	<0.43U	<3.9U	<0.37U	<0.4U	<0.41U	<0.38U	<0.76U	<0.47U	<0.38U
	Carbazole	mg/kg	0.016		17	13	42	1.3	0.35	25 - 31	14 - 19	2.1 - 3.2	0.6	20 - 27	0.12	1.6	0.21	0.15	1.2	1.5	0.12
	Chrysene	mg/kg	0.041	1	49	36	110	4	1.4	65 - 73	44 - 56	6.2 - 7.5	2.4	55 - 66	0.51	5.4	0.85	0.94	5.2	4	0.58
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	9	7.1	22	0.83	0.26	11 - 13	9 - 9.3	1.2	0.5	12	0.078	0.94	0.13	0.19	1.2	0.84	0.11
	Dibenzofuran	mg/kg	0.016	14	17	14	43	1.1	0.34J	28 - 30	13 - 17	2.4 - 3.2	0.58	19 - 24	0.19J	1.6	0.22J	0.15J	1.2	1.7	0.15J
	Fluoranthene	mg/kg	0.067	100	130	100	310	10	3.1	180 - 190E	110 - 140E	17 - 21E	5.9	150 - 170E	1.1	13	1.8	1.8	13	12	1.1
	Fluorene	mg/kg	0.014	100	24	19	60	1.7	0.46	38 - 40	18 - 24	3.2 - 4.1	0.84	27 - 33	0.15	2.1	0.28	0.16	1.7	2.3	0.18
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	27	21	59	2.3	0.79	34 - 38	29	3.7 - 3.8	1.6	34	0.25	3	0.43	0.59	3.5	2.5	0.33
	Naphthalene	mg/kg	0.067	100	27	18	65	1.4	0.41	52 - 65	19 - 30	3.2 - 4.3	0.77	27 - 34	0.32	1.6	0.26	0.27	1.6	3.1	0.27
	Phenanthrene	mg/kg	0.067	100	140	100	320	10	2.9	180 - 210E	98 - 140E	18 - 23E	5.4	150 - 180E	1.2	12	1.7	1.4	11	13	1.1
	Pyrene	mg/kg	0.067	100	89	68	200	7.2	2.4	120 - 150	76 - 110	11 - 15	4	97 - 130	0.81	8.6	1.3	1.3	8.8	7.5	0.86
Metals	Aluminum	mg/kg	12		8100	8100	6700	7800	7400	11,000	12,000	12,000	16,000	7800	9100	7100	5600	7300	12,000	2900	7300
	Antimony	mg/kg	0.24		1.8	0.98J	0.83J	0.62J	1.2	13	10	6.3	8.5	1	0.8J	2.1	1.6	2.6	6	1.3	1.5
	Arsenic	mg/kg	0.6	16	9.3	6.8	11	7.5	12	16	17	11	15	14	7.5	16	35	24	17	8.1	9.9
	Barium	mg/kg	12	350	130	210	200	110	520	530	710	560	780	350	240	370	16,000	870	750	180	3300
	Beryllium	mg/kg	0.24	14	0.58	0.51	0.5	0.36	0.39	0.52	0.77	0.5	0.42J	0.68	0.51	0.39J	0.3J	0.46	0.6	0.3J	0.37J
	Cadmium	mg/kg	0.3	2.5	0.7	0.37J	33	0.5	0.77	8.5	5.9	3	4.7	1.9	0.28J	0.6	1.1	2.1	3.4	0.39J	0.56
	Calcium	mg/kg	300		10,000	8500	7000	1800	4000	21,000	30,000	9000	11,000	13,000	9000	7800	4200	9000	13,000	2800	3200
	Chromium (III+VI)	mg/kg	0.3	22	21	12	150	16	24	120	110	100	130	38	15	24	30	160	71	26	33
	Cobalt	mg/kg	3		5.5J	4.1J	8	5.6	6	11	10	9.2	11	7.2	4.7J	7.4	4.4J	8.8	9.9	3.2J	7.7
	Copper	mg/kg	1.5	270	130	48	120	36	84	3500	1200	3400	1500	65	85	290	150	290	740	78	170
	Iron	mg/kg	6		20,000	26,000	21,000	19,000	21,000	75,000	53,000	57,000	65,000	21,000	26,000	34,000	32,000	50,000	42,000	18,000	28,000
	Lead	mg/kg	0.6	400	78	27	110	37	100	700	920	800	570	100	38	130	140	220	420	54	260
	Magnesium	mg/kg	300		4100	1300	2200	1900	2000	5800	11,000	2200	2700	5500	1800	3700	1900	3300	3900	610J	1900
	Manganese	mg/kg	0.9	2000	720	190	380	320	370	640	690	640	710	510	240	590	430	580	530	110	820
	Mercury	mg/kg	0.027	0.81	0.11	0.12	0.27	0.17	0.19	0.26	0.23	0.28	0.43	0.3	0.098	0.11	0.093	0.69	0.23	0.073	0.19
	Nickel	mg/kg	2.4	140	32	18	62	23	48	780	200	86	180	40	23	87	110	130	120	22	89
	Potassium	mg/kg	300		670	570	570	520	560	770	920	1000	840	630	520	610	590	600	770	320J	640
	Selenium	mg/kg	0.37	36	0.95J	0.66J	0.97J	<0.46U	0.69J	3.8	1.8	1.4	1.3	0.91J	0.73J	0.71J	<0.6U	1.7	1.5	0.78J	1.1
	Silver	mg/kg	0.063	36	0.32J	<0.11U	0.21J	<0.095U	<0.099U	28	5.7	1.4	6.7	0.25J	0.37J	0.44J	<0.12U	0.81	2.5	0.3J	0.11J
	Sodium	mg/kg	36		220J	350J	96J	<54U	<57U	340J	490	890	460J	120J	390J	70J	260J	120J	1200	140J	110J
	Thallium	mg/kg	0.19		<0.36U	<0.33U	<0.36U	<0.29U	<0.3U	0.37J	<0.31U	0.36J	<0.37U	<0.31U	<0.33U	<0.34U	<0.37U	0.39J	<0.3U	<0.41U	<0.31U
	Vanadium	mg/kg	3		13	13	15	14	14	21	21	20	23	14	15	12	10	17	21	9.8	14
	Zinc	mg/kg	1.2	2200	150	67	580	100	160	770	920	2000	1200	210	72	200	430	440	680	180	630
PCBs	Total PCBs	mg/kg		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1
				Location	STI-S063	STI-S064	STI-S065	STI-S065	STI-S066	STI-S067	STI-S068	STI-S069	STI-B013	STI-B014	STI-B015	STI-B015	STI-B016	STI-B017	STI-B018	STI-B019	STI-B020	STI-B021
				Sample Name	STI-S063-060520	STI-S064-060520	DUP-8	STI-S065-060520	STI-S066-060520	STI-S067-060520	STI-S068-060520	STI-S069-060520	STI-B013-060420	STI-B014-060420	DUP-9	STI-B015-060420	STI-B016-060420	STI-B017-060420	STI-B018-060420	STI-B019-060420	STI-B020-060420	STI-B021-060420
				Sampled Date	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/5/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020
				Sample Depth	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	1-1	0.5-0.5	1-1	1-1	1-1	1-1	1-1	0.5-0.5	1-1	1-1
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																		
SVOCs	1,1-Biphenyl	mg/kg	0.015		<0.081U	0.079J	0.08J	0.027J	0.27J	0.032J	0.031J	0.43 - 0.44J	<0.016U	0.041J	<0.015U	<0.015U	0.031J	0.034J	0.031J	0.042J	0.022J	0.072J
	2,4-dimethylphenol	mg/kg	0.021		<0.12U	<0.022U	<0.023U	<0.023U	<0.024U	<0.024U	<0.023U	<0.067 - 0.073J	<0.023U	<0.023U	<0.023U	<0.022U	<0.022U	<0.022U	<0.023U	<0.024U	<0.022U	<0.023U
	2-methylnaphthalene	mg/kg	0.019		0.23J	0.65	0.33	0.13	1.3	0.14	0.15	1.7 - 1.8	0.043J	0.18	0.036J	0.017J	0.12	0.12	0.16	0.23	0.068J	0.44
	4-methylphenol	mg/kg	0.099	34	<0.56U	<0.11U	<0.11U	<0.11U	<0.11U	<0.11U	<0.11U	<0.32 - 0.13J	<0.11U	<0.11U	<0.11U	<0.11U	<0.11U	<0.11U,F1	<0.11U	<0.11U	<0.1U	0.17J
	Acenaphthene	mg/kg	0.019	100	0.13J	0.21	0.79	0.11	1.8	0.091	0.11	3.9 - 4.4	<0.021U	0.08	<0.021U	<0.021U	0.022J	0.27	0.062J	0.11	0.093	0.2
	Acenaphthylene	mg/kg	0.016	100	0.35J	0.048J	0.12	0.29	<0.017U	0.035J	0.02J	0.19 - 0.2J	<0.016U	0.042J	<0.016U	<0.016U	0.1	0.03J	0.039J	0.15	0.02J	0.14
	Acetophenone	mg/kg	0.018		<0.1U	<0.02U	<0.02U	<0.02U	<0.021U	<0.021U,F2	0.025J	<0.019U	<0.02U	0.022J	<0.02U	<0.02U	<0.02U	<0.02U,F1	0.025J	<0.021U	<0.019U	<0.021U
	Anthracene	mg/kg	0.019	100	0.36J	0.37	1.4	0.43	2.7	0.13	0.19	6.7	0.024J	0.17	<0.019U	<0.019U	0.092	0.47	0.14	0.34	0.16	0.47
	Benz(a)anthracene	mg/kg	0.033	1	0.91	0.86	2.5	1.4	4.3	0.3	0.36	9.5 - 9.9	0.083	0.41	<0.033U	<0.033U	0.26	0.83	0.32	0.96	0.32	0.94
	Benzaldehyde	mg/kg	0.042		<0.24U	<0.045U	<0.046U	<0.046U	<0.047U	0.06J	<0.045U	<0.045U	<0.046U	<0.046U	<0.045U	<0.045U	<0.045U	<0.045U	<0.045U	0.049J	<0.044U	<0.047U
	Benzo(a) pyrene	mg/kg	0.031	1	0.79	1.1	2.2	1.3	3.2	0.27	0.28	8 - 8.6	0.079	0.33	<0.032U	<0.031U	0.23	0.66	0.25	0.74	0.26	0.78
	Benzo(b)fluoranthene	mg/kg	0.067	1	0.99	1.2	2.5	1.6	3.9	0.32	0.38	9.1 - 10	0.1	0.45	0.034J	0.046J	0.31	0.88	0.35	1.1	0.31	1
	Benzo(g,h,i)perylene	mg/kg	0.067	100	0.63	0.97	1.3	0.84	1.4	0.19	0.2	4.5 - 5.2	0.052J	0.23	0.019J	0.028J	0.16	0.39	0.19	0.62	0.18	0.6
	Benzo(k)fluoranthene	mg/kg	0.022	1	0.45	0.51	0.92	0.56	1.9	0.096	0.12	3.3 - 4.6	0.041J	0.19	<0.022U	<0.022U	0.1	0.27	0.13	0.38	0.12	0.42
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<2U	<0.38U	<0.39U	<0.39U	<0.4U	<0.41U	<0.39U	<0.38U	<0.4U	<0.39U	<0.39U	<0.38U	<0.38U	<0.38U	<0.39U	<0.41U	<0.38U	<0.4U
	Carbazole	mg/kg	0.016		0.13J	0.17	0.58	0.11	1.1	0.064J	0.087	2.5 - 2.8	<0.017U	0.073J	<0.017U	<0.017U	0.021J	0.19	0.052J	0.11	0.081	0.19
	Chrysene	mg/kg	0.041	1	0.93	0.83	2.1	1.3	3.3	0.29	0.42	8 - 8.3	0.11	0.44	<0.041U	0.045J	0.32	0.73	0.37	1	0.29	0.98
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	<0.25U	0.39	0.46	0.27	0.42	0.06J	0.061J	1.5 - 1.7	<0.048U	0.071J	<0.047U	<0.046U	<0.046U	0.12	0.064J	0.17	0.061J	0.19
	Dibenzofuran	mg/kg	0.016	14	0.14J	0.27J	0.48	0.086J	1.7	0.09J	0.093J	2.7 - 2.8	0.016J	0.11J	<0.016U	<0.016U	0.053J	0.18J	0.065J	0.12J	0.065J	0.22J
	Fluoranthene	mg/kg	0.067	100	1.7	1.2	4.8	2.5	8.7F1	0.61	0.59	17 - 20E	0.16	0.8	0.037J	0.053J	0.36	1.5	0.52	1.4	0.57	1.7
	Fluorene	mg/kg	0.014	100	0.15J	0.19	0.7	0.14	2	0.074J	0.09	3.7 - 3.8	<0.015U	0.07J	<0.014U	<0.014U	0.03J	0.26	0.061J	0.13	0.087	0.2
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	0.61	0.89	1.4	0.8	1.4	0.17	0.17	4.4 - 5	0.044J	0.2	<0.036U	<0.036U	0.13	0.37	0.16	0.54	0.16	0.52
	Naphthalene	mg/kg	0.067	100	0.2J	0.49	0.68	0.14	1.7	0.089	0.13	3.8 - 3.9	0.028J	0.15	0.026J	0.016J	0.14	0.21	0.14	0.2	0.11	0.37
	Phenanthrene	mg/kg	0.067	100	1.2	1.5	4.5	1.2	12F1	0.73	0.7	17 - 22E	0.13	0.67	0.049J	0.051J	0.29	1.6	0.51	1	0.58	1.5
	Pyrene	mg/kg	0.067	100	1.3	0.89	3.4	1.9	7F1	0.45F2	0.6	14 - 16E	0.14	0.63	0.035J	0.045J	0.44	1.4	0.54	1.4	0.55	1.4
Metals	Aluminum	mg/kg	12		6600	4100	7200	7200	3300	7400	6300	7000	6200	8800	7800	8100	8400	6800	7300	9900	6800	6900
	Antimony	mg/kg	0.24		3.5	1.2	1.3	1.3	1.3	0.44J,F1	1.3	0.63J	0.88J	1.5	0.43J	0.49J	1.4	0.76J,F1	1.6	3.1	0.85J	2.8
	Arsenic	mg/kg	0.6	16	24	18	35	33	43	9.2F1	44	7.1	16	10	5.5	6.2	11	7.3	9.9	20	7	29
	Barium	mg/kg	12	350	1400	76	280	320	55	62F1	210	110	100	510	72	81	2500	390F1	940	1600	500	1400
	Beryllium	mg/kg	0.24	14	0.42J	0.56	0.36J	0.35J	0.37J	0.53	0.39	0.37J	0.38J	0.41J	0.37J	0.39J	0.38J	0.32J	0.37J	0.7	0.32J	0.5
	Cadmium	mg/kg	0.3	2.5	2.9	0.13J	0.28J	0.29J	0.1J	0.12J	0.21J	0.31J	0.13J	0.35J	0.091J	0.099J	0.34J	0.19J	0.51J	3.2	0.28J	2.9
	Calcium	mg/kg	300		12,000	2200	3500	3700	1400	960F2,F1	3200	8600	1800	16,000	890	1300	3300	5800F1	4300	24,000	2600	12,000
	Chromium (III+VI)	mg/kg	0.3	22	74	7.5	29	18	6.3	8.4F1	16	11	12	41	9	10	26	14	48	130	17	150
	Cobalt	mg/kg	3		8.9	7.7	7.1	7	5J	4.7J	4.9	4.9J	5.5	7.8	4.9J	5.1J	6.7	6.2	7.4	16	6.3	13
	Copper	mg/kg	1.5	270	1100	46	92	120	33	140F1	48	40	37	240	35	41	99	88F1	300	2200	84	240
	Iron	mg/kg	6		65,000	30,000	22,000	21,000	39,000	16,000	20,000	17,000	17,000	28,000	15,000	16,000	28,000	20,000	32,000	43,000	21,000	44,000
	Lead	mg/kg	0.6	400	260	31	91	120	13	29F1	64	45	33	160	34	31	230	59F1	180	530	110	270
	Magnesium	mg/kg	300		2600	450J	2600	3100	240J	1500	1700	2400	1500	3300	1600	1700	2000	3200	2200	5900	2200	2400
	Manganese	mg/kg	0.9	2000	600	92	390	390	33	110F1	310	350	330	420	660	680	550	390	460	710	420	490
	Mercury	mg/kg	0.027	0.81	0.82	0.051	0.082	0.077	0.16F1	0.21F1,F2	0.15	0.19	0.064	0.16	0.17	0.19	0.13	0.057	0.12	1.9	0.11	1.2
	Nickel	mg/kg	2.4	140	160	20	37	36	13	16	34	19	22	89	13	14	72	36	75	300	45	270
	Potassium	mg/kg	300		600	490	610	690	350J	510J	540	430J	460J	830	460J	460J	640	560	530J	870	520	900
	Selenium	mg/kg	0.37	36	1.9	1.6	0.67J	<0.53U	1.1	<0.57U	<0.5U	0.66J	<0.53U	0.79J	0.73J	0.62J	<0.55U	<0.5U	0.74J	2.1	<0.49U	2.3
	Silver	mg/kg	0.063	36	1.4	<0.1U	<0.11U	<0.11U	<0.12U	<0.12U,F1	<0.1U	0.15J	<0.11U	0.14J	<0.12U	<0.11U	<0.11U	<0.1U	0.17J	1	<0.1U	0.74
	Sodium	mg/kg	36		160J	<57U	73J	<62U	<69U	<66U	<59U	<65U	<62U	91J	<67U	<65U	170J	<59U	77J	280J	<57U	230J
	Thallium	mg/kg	0.19		0.54J	<0.3U	<0.33U	<0.33U	0.61J	<0.35U,F1	<0.31U	<0.34U	<0.33U	<0.34U	<0.35U	<0.35U	<0.34U	<0.31U	<0.35U	<0.35U	<0.3U	0.92J
	Vanadium	mg/kg	3		20	12	13	13	9.8	14F1	13	12	13	17	13	14	14	11	14	19	12	18
	Zinc	mg/kg	1.2	2200	570	43	130	160	24	68F1,B	98B	88B	50	220	51	62	170	110	220	810	130	830
PCBs	Total PCBs	mg/kg		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-1, 2-1	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2
				Location	STI-B022	STI-B023	STI-B024	STI-B025	STI-B025	STI-B026	STI-B027	STI-B028	STI-B029	STI-B030	STI-B031	STI-B032	STI-S007	STI-S008	STI-S009	STI-S010	STI-S007
				Sample Name	STI-B022-060420	STI-B023-060420	STI-B024-060420	DUP-10	STI-B025-060420	STI-B026-060420	STI-B027-060420	STI-B028-060420	STI-B029-060420	STI-B030-060420	STI-B031-060420	STI-B032-060420	STI-S007A-052720	STI-S008A-052720	STI-S009A-052720	STI-S010A-060120	STI-S007B-052820
				Sampled Date	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020	5/27/2020	5/27/2020	5/27/2020	6/1/2020	5/28/2020
				Sample Depth	0.5-0.5	1-1	1-1	1-1	1-1	1-1	1-1	1-1	0-1	0.5-0.5	0.5-0.5	1-1	0-0.5	0-0.5	0-0.5	0-0.5	0.5-1
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																	
SVOCs	1,1-Biphenyl	mg/kg	0.015		0.024J	0.079J	<0.032U	<0.016U	<0.017U	0.064J	0.032J	0.19J	1.8J	0.028J	0.065J	0.073J	0.35J	2.8J	0.58J	12J	0.076J
	2,4-dimethylphenol	mg/kg	0.021		<0.023U	<0.022U	<0.047U	<0.024U	<0.025U	<0.023U	<0.023U	<0.023U	<0.23U	<0.024U	<0.025U	<0.025U	<0.22U	<0.22U	<0.24U	1.6J	<0.045U
	2-methylnaphthalene	mg/kg	0.019		0.13	0.31	0.1J	0.028J	<0.019U	0.25	0.12	0.76	7.1F1	0.18	0.3	0.38	1.3	10	2.1	49	0.25
	4-methylphenol	mg/kg	0.099	34	<0.11U	<0.11U	<0.22U	<0.11U	<0.12U	<0.11U	<0.11U	<0.11U	<1.1U	<0.11U	<0.12U	<0.12U	<1U	<1U	<1.1U	<5.7U	<0.21U
	Acenaphthene	mg/kg	0.019	100	<0.021U	0.58	0.079J	<0.022U	<0.023U	0.49	0.2	1.5	17F1	0.035J	0.34	<0.023U	4.5	22	5.9	110	0.95
	Acenaphthylene	mg/kg	0.016	100	<0.016U	0.032J	0.084J	<0.017U	<0.017U	0.086	0.055J	0.44	0.95	<0.017U	0.1	<0.017U	4.1	1.2	0.45J	3J	0.52
	Acetophenone	mg/kg	0.018		<0.02U	<0.02U	<0.041U	<0.021U	<0.021U	<0.02U	<0.02U	<0.02U	<0.2U	<0.021U	<0.022U	<0.021U	<0.19U	<0.19U	<0.21U	<1.1U	<0.039U
	Anthracene	mg/kg	0.019	100	0.038J	0.9	0.17	0.029J	0.041J	0.86	0.37	3.3	25F1	0.052J	0.69	0.046J	11	45	12	230	2.1
	Benz(a)anthracene	mg/kg	0.033	1	0.089	1.4	0.31	0.078	0.08	1.5	0.67	6.4	35	0.1	1.2	0.18	23	63	18	290	4.1
	Benzaldehyde	mg/kg	0.042		<0.046U	<0.045U	<0.095U	<0.048U	<0.049U	<0.046U	0.053J	<0.046U	<0.46U	<0.047U	<0.05U	<0.049U	<0.44U	<0.44U	<0.47U	<2.4U,*	<0.09U
	Benzo(a) pyrene	mg/kg	0.031	1	0.072J	1.1	0.28	0.061J	0.065J	1.2	0.51	4.9	27F1	0.074J	1	0.13	21	49	14	220	3.5
	Benzo(b)fluoranthene	mg/kg	0.067	1	0.091	1.3	0.34	0.087	0.084	1.5	0.65	5.5	31	0.097	1.3	0.17	24	52	16	240	4
	Benzo(g,h,i)perylene	mg/kg	0.067	100	0.06J	0.79	0.24	0.064J	0.063J	0.82	0.36	3.1	17F1	0.054J	0.69	0.1	13	26	7.9	84	2.2
	Benzo(k)fluoranthene	mg/kg	0.022	1	0.035J	0.62	0.14J	0.037J	0.03J	0.47	0.24	2.3	12	0.033J	0.37	0.06J	10	27	7.4	100	1.8
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<0.39U	<0.39U	<0.81U	<0.41U	<0.42U	<0.4U	<0.4U	<0.39U	<3.9U	<0.4U	<0.43U	<0.42U	<3.8U	<3.8U	<4.1U	<21U	<0.77U
	Carbazole	mg/kg	0.016		0.018J	0.41	0.067J	<0.018U	0.021J	0.37	0.16	1.1	11F1	0.028J	0.27	<0.018U	3.7	17	4.4	77	0.68
	Chrysene	mg/kg	0.041	1	0.1	1.2	0.33	0.088	0.08	1.3	0.62	5.5	30F1	0.099	1.1	0.29	21	52	15	220	3.6
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	<0.047U	0.25	<0.098U	<0.049U	<0.051U	0.27	0.11	1.1	5.6	<0.049U	0.19	<0.051U	3.4	8	2.3	30	0.6
	Dibenzofuran	mg/kg	0.016	14	0.04J	0.44	0.068J	<0.017U	0.017J	0.32J	0.14J	1.1	12F1	0.075J	0.29J	0.12J	2.6J	18	4.3	85	0.55J
	Fluoranthene	mg/kg	0.067	100	0.11	2.8	0.57	0.13	0.13	2.8	1.2	10	70	0.19	2.5	0.21	40	120	36	680	7F1
	Fluorene	mg/kg	0.014	100	0.02J	0.59	0.083J	<0.015U	0.021J	0.45	0.18	1.6	16F1	0.028J	0.34	<0.016U	4.2	24	6.3	120	0.81
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	0.047J	0.74	0.2	0.055J	0.055J	0.77	0.34	3.1	17F1	0.051J	0.63	0.08	13	27	7.7	99	2.1
	Naphthalene	mg/kg	0.067	100	0.077	0.76	0.15	0.022J	0.02J	0.42	0.19	1.5	16F1	0.12	0.36	0.23	2.3	20	3.8	91	0.42
	Phenanthrene	mg/kg	0.067	100	0.16	3.1	0.52	0.12	0.14	2.9	1.2	8.7	78	0.26	2.2	0.46	29	130	36	750	5.7
	Pyrene	mg/kg	0.067	100	0.12	2.3	0.46	0.11	0.12	2.3	1	8.6	56	0.14	1.7	0.17	33	87	26	480	5.6
Metals	Aluminum	mg/kg	12		6900	7600	8700	7400	8000	7800	7800	7300	11,000	2500	6400	2900	-	-	-	-	-
	Antimony	mg/kg	0.24		0.56J	1	0.77J	0.48J	0.55J	1.2	1.1	1.8	13	0.83J	2.2J,F1	1.5	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	12	7.6	9.3	7.8	6.7	8.9	8.3	10	17	13	14	41	-	-	-	-	-
	Barium	mg/kg	12	350	58	110	840	120	150	940	240	1800	1200	73	530F2	82	-	-	-	-	-
	Beryllium	mg/kg	0.24	14	0.37J	0.34J	0.41J	0.4J	0.44	0.39J	0.4J	0.38J	10	0.34J	0.47	0.46	-	-	-	-	-
	Cadmium	mg/kg	0.3	2.5	0.083J	0.14J	0.77	0.12J	0.13J	0.38J	1.5	0.6	4.7	0.22J	1.1	0.13J	-	-	-	-	-
	Calcium	mg/kg	300		1100	1500	3500	2100	2100	3500	3100	4800	15,000	3000	14,000	2300	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	22	9.1	11	22	9.5	9.1	45	21	38	130	8	32F1,F2	7.2	-	-	-	-	-
	Cobalt	mg/kg	3		6.8	4.7J	7.2	4.2J	4J	7.2	5.5J	6.6	12	3.3J	6.7	5.2J	-	-	-	-	-
	Copper	mg/kg	1.5	270	36	24	79	16	17	120	53	180	1300	55	270F2	44	-	-	-	-	-
	Iron	mg/kg	6		19,000	15,000	25,000	14,000	14,000	27,000	18,000	28,000	96,000	20,000	23,000F2	26,000	-	-	-	-	-
	Lead	mg/kg	0.6	400	21	28	110	55	63	140	96	300	840	25	900F2	22	-	-	-	-	-
	Magnesium	mg/kg	300		1600	1800	2500	1500	1500	2300	2000	2100	4000	430J	1500F1	490J	-	-	-	-	-
	Manganese	mg/kg	0.9	2000	320	330	410	430	330	520	310	450	850	47	260F2	60	-	-	-	-	-
	Mercury	mg/kg	0.027	0.81	0.076	0.14	0.13	1	0.57	0.47	0.17	0.23	0.2	0.086	0.17	0.22	-	-	-	-	-
	Nickel	mg/kg	2.4	140	41	16	56	11	9.4	69	34	100	160	14	56F1,F2	11	-	-	-	-	-
	Potassium	mg/kg	300		520J	430J	570	340J	330J	520	480J	660	830	480	720	490J	-	-	-	-	-
	Selenium	mg/kg	0.37	36	<0.57U	<0.53U	<0.57U	<0.6U	<0.57U	0.74J	<0.58U	<0.55U	2	0.55J	1J	1.6	-	-	-	-	-
	Silver	mg/kg	0.063	36	<0.12U	<0.11U	<0.12U	<0.12U	0.17J	<0.11U	<0.12U	0.13J	5.2	0.12J	0.82	<0.12U	-	-	-	-	-
	Sodium	mg/kg	36		<67U	<63U	<67U	<70U	<67U	<62U	<69U	99J	560	85J	420J	<67U	-	-	-	-	-
	Thallium	mg/kg	0.19		<0.36U	<0.33U	<0.36U	<0.37U	<0.36U	<0.33U	<0.36U	<0.34U	0.52J	<0.3U	<0.38U	0.95J	-	-	-	-	-
	Vanadium	mg/kg	3		13	13	14	14	14	14	14	15	18	9.9	15	10	-	-	-	-	-
	Zinc	mg/kg	1.2	2200	51	60	160	46	48	210	200	270	890	58	410F2	10	-	-	-	-	-
PCBs	Total PCBs	mg/kg		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-2, 2-2	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3	1-3, 2-3
				Location	STI-S008	STI-S009	STI-S010	STI-B003	STI-S001	STI-S002	STI-S003	STI-S004	STI-S005	STI-S006	STI-S001	STI-S002	STI-S003	STI-S004	STI-S005	STI-S006
				Sample Name	STI-S008B-052820	STI-S009B-052820	STI-S010B-060120	STI-B003-052720	STI-S001A-052220	STI-S002A-052220	STI-S003A-052220	STI-S004A-052220	STI-S005A-052220	STI-S006A-052220	STI-S001B-052220	STI-S002B-052220	STI-S003B-052220	STI-S004B-052220	STI-S005B-052220	STI-S006B-052220
				Sampled Date	5/28/2020	5/28/2020	6/1/2020	5/27/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020	5/22/2020
				Sample Depth	0.5-1	0.5-1	0.5-1	1-1	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																
SVOCs	1,1-Biphenyl	mg/kg	0.015		1.1J	0.11J	1.6J	0.22J	11J	7.8J	11J	7.6J	24J	6.7J	0.1J	0.049J	0.46J	2.6J	1.4J	0.059J
	2,4-dimethylphenol	mg/kg	0.021		<0.24U	<0.025U	<0.47U	<0.046U	1.5J	1J	1.7J	<0.98U	3.3J	0.98J	<0.024U	<0.023U	0.058J	<0.59U	<0.38 - 0.2J	<0.022U
	2-methylnaphthalene	mg/kg	0.019		4	0.38	6.5	0.78	46	35	51	31	110	30	0.53	0.2	1.9	10	5.9 - 6.1	0.23
	4-methylphenol	mg/kg	0.099	34	<1.1U	<0.12U	<2.2U	<0.22U	<4.6U,F1	<4.2U	<5.4U	<4.6U	<11U	<4.4U	<0.11U	<0.11U	<0.21U	<2.8U	<1.8 - 0.39J	<0.11U
	Acenaphthene	mg/kg	0.019	100	9.2	1.1	14	2	100	84	110	73	210	64	0.82	0.46	5.2	27	13 - 14	0.61
	Acenaphthylene	mg/kg	0.016	100	1.1	0.078J	0.52J	0.41	2.4J	2.3J	3J	3J	7.3	2.8J	0.27	0.088	0.21	4	1 - 1.1J	0.064J
	Acetophenone	mg/kg	0.018		<0.21U	<0.022U	<0.41U	<0.04U	<0.84U	<0.77U	<1U	<0.86U	<2U	<0.81U	0.028J	<0.02U	<0.039U	<0.52U	<0.044U	<0.02U
	Anthracene	mg/kg	0.019	100	18	2.3	30	4	170	130	180	130	360	110	1.6	0.9	9.3	51	21 - 23	1.2
	Benz(a)anthracene	mg/kg	0.033	1	27	3.2	40	6.4	240	200	230	170	470	160	2.7	1.8	14	78	33E	1.9
	Benzaldehyde	mg/kg	0.042		<0.47U	<0.049U	<0.95U,*	<0.092U	<1.9U,F1	<1.8U	<2.3U	<2U	<4.5U	<1.9U	<0.048U	<0.046U	<0.089U	<1.2U	<0.1U	<0.045U
	Benzo(a) pyrene	mg/kg	0.031	1	21	2.4	29	5.3	190	150	180	130	340	120	2.2	1.6	11	60	25 - 27	1.5
	Benzo(b)fluoranthene	mg/kg	0.067	1	24	2.8	33	5.6	230	180	210	150	410	140	2.8	1.8	14	69	31 - 33	1.7
	Benzo(g,h,i)perylene	mg/kg	0.067	100	12	1.4	12	3.2	93	75	88	63	170	58	1.2	0.86	5.9	32	14 - 16	0.82
	Benzo(k)fluoranthene	mg/kg	0.022	1	10	1.3	14	2.9	100	69	86	66	160	56	1.2	0.9	5.4	30	10 - 13	0.79
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<4.1U	<0.42U	<8.1U	<0.79U	<17U	<15U	<20U	<17U	<39U	<16U	<0.41U	<0.4U	<0.76U	<10U	<0.86U	<0.38U
	Carbazole	mg/kg	0.016		7.3	0.8	10	1.5	80	63	78	54	160	52	0.57	0.38	4	21	9.4 - 9.8	0.5
	Chrysene	mg/kg	0.041	1	23	2.7	31	5.5	200	160	180	140	380	130	2.5	1.6	12	66	27 - 29	1.6
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	4	0.44	5.5	0.92	33	25	30	23	63	21	0.39	0.29	1.9	11	4.4 - 5.4	0.27
	Dibenzofuran	mg/kg	0.016	14	7.4	0.81	11	1.4	77	61	84	56	170	51	0.61	0.32J	3.6	19	9 - 9.7	0.39
	Fluoranthene	mg/kg	0.067	100	51	6.2	90	12	500	400	490	370	950	340	5.7	3.9	27	160	53 - 74E	3.9
	Fluorene	mg/kg	0.014	100	9.5	1.2	15	2	110	89	120	82	230	73	0.86	0.5	5.4	30	14	0.65
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	12	1.4	14	2.9	93	76	87	65	170	61	1.2	0.82	5.7	32	14 - 16	0.81
	Naphthalene	mg/kg	0.067	100	8.1	0.61	12	1.4	100	68	110	65	210	59	0.74	0.27	3.5	21	12 - 13	0.42
	Phenanthrene	mg/kg	0.067	100	53	6.6	100	12	510	400	520	370	980	340	5.1	3.4	24	150	46 - 78E	3.5
	Pyrene	mg/kg	0.067	100	39	4.3	64	9	380	300	360	270	660	240	4.6	3	21	120	42 - 55E	3.1
Metals	Aluminum	mg/kg	12		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-3, 2-3	1-3, 2-3	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4
				Location	STI-B001	STI-B002	STI-S011	STI-S012	STI-S013	STI-S014	STI-S015	STI-S015	STI-S016	STI-S017	STI-S018	STI-S019	STI-S020	STI-B004	STI-B005	STI-B005	STI-B006	STI-B007
				Sample Name	STI-B001-052220	STI-B002-052220	STI-S011-060120	STI-S012-060120	STI-S013-060120	STI-S014-060120	DUP-2	STI-S015-060120	STI-S016-060120	STI-S017-060120	STI-S018-060120	STI-S019-060120	STI-S020-060120	STI-B004-060120	DUP-3	STI-B005-060120	STI-B006-060120	STI-B007-060120
				Sampled Date	5/22/2020	5/22/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020	6/1/2020
				Sample Depth	1-1	1-1	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5-0.5	0.5-0.5	0.5-0.5	0.5-0.5	0.5-0.5
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																		
SVOCs	1,1-Biphenyl	mg/kg	0.015		0.02J	<0.016U	<0.38U	<0.59U	0.46J	<0.15U	0.33J	0.74J	<0.36U	<0.074U	0.032J	<0.23U	0.63J	<1.1U	0.077J	<0.059U	0.014J	0.23J
	2,4-dimethylphenol	mg/kg	0.021		<0.022U	<0.024U	<0.56U	<0.88U	<0.54U	<0.22U	<0.089U	<0.18U	<0.53U	<0.11U	<0.021U	<0.35U	<0.11U	<1.6U	<0.086U	<0.088U	<0.021U	<0.22U
	2-methylnaphthalene	mg/kg	0.019		0.054J	0.03J	1.3J	1.7J	2.6	0.63J	1.4	2.9	1.7	0.29J	0.16	0.39J	3	2.9J	0.44	0.25J	0.042J	1.1
	4-methylphenol	mg/kg	0.099	34	<0.1U	<0.12U	<2.6U	<4.1U	<2.6U,F1	<1U	<0.42U	<0.83U	<2.5U	<0.52U	<0.099U	<1.6U	<0.54U	<7.4U	<0.41U	<0.42U	<0.099U	<1U
	Acenaphthene	mg/kg	0.019	100	0.18	0.085	4.3	1.6J	2.9	0.28J	3.8	9.5	1.7	0.66	0.13	0.66J	6.8	2.8J	0.7	0.46	<0.019U	2.9
	Acenaphthylene	mg/kg	0.016	100	0.018J	0.019J	8.3	15	7	3.2	0.82	2.1	22	3	1.1	2.7	1.7	17	2.3	1.3	0.078	3
	Acetophenone	mg/kg	0.018		<0.019U	<0.021U	<0.49U	<0.77U	<0.47U	<0.19U	<0.078U	<0.15U	<0.46U	<0.095U	<0.018U	<0.3U	<0.1U	<1.4U	<0.075U	<0.077U	<0.018U	<0.19U
	Anthracene	mg/kg	0.019	100	0.39	0.17	12	9.1	9.9	1.6	8.2	20	14	4.8	0.75	2.5	13	12	2.8	1.6	0.048J	6.8
	Benz(a)anthracene	mg/kg	0.033	1	0.58	0.34	35	130	110	25	16	44	95	27	2.6	8.2	23	170	21	11	0.35	17
	Benzaldehyde	mg/kg	0.042		<0.043U	<0.049U	<1.1U,*	<1.8U,*	<1.1U,F1	<0.43U,*	<0.18U,*	<0.35U,*	<1.1U,*	<0.22U,*	<0.042U	<0.69U	<0.23U	<3.1U	<0.17U	<0.18U	<0.042U	<0.44U
	Benzo(a) pyrene	mg/kg	0.031	1	0.42	0.28	33	160	100	31	15	38	170	27	2.7	7.7	18	170	21	12	0.41	15
	Benzo(b)fluoranthene	mg/kg	0.067	1	0.54	0.38	39	180	130	38	17	42	210	30	4	11	25	250	26	16	0.54	19
	Benzo(g,h,i)perylene	mg/kg	0.067	100	0.22	0.17	20	82	52	18	8	20	110	15	2.3	5.8	11	110	14	8.2	0.28	10
	Benzo(k)fluoranthene	mg/kg	0.022	1	0.16	0.11	15	77	60	12	7	20	70	13	1.6	4.8	6.7	77	12	5.5	0.2	7.7
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<0.37U	<0.42U	<9.5U	<15U	<9.3U	<3.7U	<1.5U	<3U	<9U	<1.9U	<0.36U	<6U	<2U	<27U	<1.5U	<1.5U	<0.36U	<3.8U
	Carbazole	mg/kg	0.016		0.14	0.065J	3.6	1.9J	2.4	0.31J	3	7	2.3	1.1	0.19	0.58J	5.1	1.9J	0.69	0.4	<0.016U	2.2
	Chrysene	mg/kg	0.041	1	0.48	0.3	32	110	89	21	13	35	93	22	3.1	8.8	18	140	17	9.6	0.34	15
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	0.077	0.057J	6.7	26	16	5.5	2.5	5.5	31	4.5	0.57	1.6	3.5	34	4.1	2.5	0.065J	3
	Dibenzofuran	mg/kg	0.016	14	0.12J	0.047J	2.2J	1.1J	2.1J	0.24J	2.3	5.3	1.3J	0.41J	0.11J	0.41J	4.8	<1.1U	0.44J	0.25J	0.018J	1.7J
	Fluoranthene	mg/kg	0.067	100	1.3	0.67	60	130	140	22	38	97	140	46	4.6	15	38	190	26	14	0.43	29
	Fluorene	mg/kg	0.014	100	0.19	0.082	4.2	1.9J	2.4	0.37J	3.6	8.8	2.9	0.88	0.21	0.99J	7.2	3J	0.8	0.46	0.016J	3.1
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	0.22	0.15	20	91	53	18	8.6	21	110	16	1.9	5	11	110	14	7.8	0.26	9.4
	Naphthalene	mg/kg	0.067	100	0.09	0.045J	1.8	3.3	6.2	1.6	2.5	6.3	3.4	0.45	0.2	0.39J	5.4	6.8	0.67	0.4	0.06J	1.8
	Phenanthrene	mg/kg	0.067	100	1.2	0.54	36	11	23F1	1.4	31	70	27	16	2.5	7.8	36	17	7.9	3.5	0.1	20
	Pyrene	mg/kg	0.067	100	0.88	0.53	52	150	160	27	26	72	150	38	5.6	16	38	260	32	18	0.54	30
Metals	Aluminum	mg/kg	12		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-6	1-6	1-6	1-6	1-6	1-6	1-6	1-6
				Location	STI-S021	STI-S022	STI-S023	STI-S024	STI-S025	STI-S025	STI-S026	STI-B008	STI-B009	STI-B010	STI-B011	STI-B012	STI-S027	STI-S028	STI-S029	STI-S030	STI-S031	STI-S032
				Sample Name	STI-S021-060220	STI-S022-060220	STI-S023-060220	STI-S024-060220	DUP-4	STI-S025-060220	STI-S026-060220	STI-B008-060220	STI-B009-060220	STI-B010-060320	STI-B011-060320	STI-B012-060320	STI-S027-060320	STI-S028-060320	STI-S029-060320	STI-S030-060320	STI-S031-060320	STI-S032-060320
				Sampled Date	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/2/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020	6/3/2020
				Sample Depth	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5-0.5	0.5-0.5	0.5-0.5	0.5-0.5	0.5-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																		
SVOCs	1,1-Biphenyl	mg/kg	0.015		0.023J	<0.016U	0.021J	<0.016U	0.057J	0.041J	<0.045U	0.033J	0.017J	-	-	-	-	-	-	-	-
	2,4-dimethylphenol	mg/kg	0.021		<0.021U	<0.024U	<0.022U	<0.023U	<0.022U	<0.023U	<0.066U	<0.022U	<0.023U	-	-	-	-	-	-	-	-
	2-methylnaphthalene	mg/kg	0.019		0.11	0.042J	0.069J	0.048J	0.24	0.22	0.33	0.12	0.065J	-	-	-	-	-	-	-	-
	4-methylphenol	mg/kg	0.099	34	<0.1U	<0.11U	<0.11U	<0.11U	<0.11U	<0.11U	<0.31U	<0.11U	<0.11U	-	-	-	-	-	-	-	-
	Acenaphthene	mg/kg	0.019	100	0.093	0.03J	0.076	0.035J	0.026J	0.05J	0.26	0.11	0.04J	-	-	-	-	-	-	-	-
	Acenaphthylene	mg/kg	0.016	100	1.3	0.34	0.4	0.49	0.46	0.78	4.4	0.36	0.55	-	-	-	-	-	-	-	-
	Acetophenone	mg/kg	0.018		<0.019U	<0.021U	<0.02U	<0.02U	<0.02U	<0.02U	<0.058U	<0.02U	<0.02U	-	-	-	-	-	-	-	-
	Anthracene	mg/kg	0.019	100	0.83	0.17	0.35	0.23	0.22	0.43	2.6	0.36	0.29	-	-	-	-	-	-	-	-
	Benz(a)anthracene	mg/kg	0.033	1	3.3	0.58	1.5	0.86	0.36	1.1	8.2	0.78	0.89	-	-	-	-	-	-	-	-
	Benzaldehyde	mg/kg	0.042		<0.043U	<0.048U	<0.045U	<0.047U	<0.045U	<0.045U	<0.13U	<0.045U	<0.046U	-	-	-	-	-	-	-	-
	Benzo(a) pyrene	mg/kg	0.031	1	3.5	0.71	1.5	1.1	0.45	1.3	9.2	0.8	1	-	-	-	-	-	-	-	-
	Benzo(b)fluoranthene	mg/kg	0.067	1	4.7	1	2	1.4	0.51	1.6	13	0.98	1.3	-	-	-	-	-	-	-	-
	Benzo(g,h,i)perylene	mg/kg	0.067	100	3	0.66	1.2	0.91	0.37	1.2	8.4	0.56	0.99	-	-	-	-	-	-	-	-
	Benzo(k)fluoranthene	mg/kg	0.022	1	1.5	0.28	0.71	0.4	0.16	0.55	2.9	0.28	0.51	-	-	-	-	-	-	-	-
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<0.36U	<0.41U	<0.39U	<0.4U	<0.39U	<0.39U	<1.1U	<0.38U	<0.4U	-	-	-	-	-	-	-	-
	Carbazole	mg/kg	0.016		0.12	0.031J	0.084	0.029J	0.017J	0.046J	0.22	0.09	0.042J	-	-	-	-	-	-	-	-
	Chrysene	mg/kg	0.041	1	3.4	0.63	1.4	0.95	0.39	1.2	8.2	0.78	1	-	-	-	-	-	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	0.76	0.15	0.32	0.22	0.16	0.3	2.2	0.2	0.23	-	-	-	-	-	-	-	-
	Dibenzofuran	mg/kg	0.016	14	0.061J	0.017J	0.061J	0.02J	0.081J	0.074J	0.21J	0.093J	<0.016U	-	-	-	-	-	-	-	-
	Fluoranthene	mg/kg	0.067	100	4.4	0.72	2.1	0.97	0.29	1.3	9.7	1.2	1.2	-	-	-	-	-	-	-	-
	Fluorene	mg/kg	0.014	100	0.19	0.038J	0.097	0.051J	0.052J	0.088	0.63	0.12	0.067J	-	-	-	-	-	-	-	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	2.4	0.51	1.1	0.72	0.32	0.92	6.8	0.52	0.76	-	-	-	-	-	-	-	-
	Naphthalene	mg/kg	0.067	100	0.16	0.056J	0.12	0.067J	0.31	0.29	0.46	0.18	0.095	-	-	-	-	-	-	-	-
	Phenanthrene	mg/kg	0.067	100	1.7	0.21	0.82	0.26	0.27	0.48	3.5	0.78	0.45	-	-	-	-	-	-	-	-
	Pyrene	mg/kg	0.067	100	6.1	0.96	2.5	1.4	0.36	1.8	13	1.2	1.6	-	-	-	-	-	-	-	-
Metals	Aluminum	mg/kg	12		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Antimony	mg/kg	0.24		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Arsenic	mg/kg	0.6	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	mg/kg	12	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	mg/kg	0.24	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cadmium	mg/kg	0.3	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chromium (III+VI)	mg/kg	0.3	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Copper	mg/kg	1.5	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Iron	mg/kg	6		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	mg/kg	0.6	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	mg/kg	0.9	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mercury	mg/kg	0.027	0.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nickel	mg/kg	2.4	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	mg/kg	300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Selenium	mg/kg	0.37	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Silver	mg/kg	0.063	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sodium	mg/kg	36		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thallium	mg/kg	0.19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vanadium	mg/kg	3		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	mg/kg	1.2	2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs	Total PCBs	mg/kg		1	-	-	-	-	-	-	-	-	-	0.1716	<0.0449	0.086	0.1151	0.0792	<0.0444	<0.0444	0.1136	0.5131
	Arochlor 1016	mg/kg	0.0058		-	-	-	-	-	-	-	-	-	<0.0061U	<0.0061U	<0.0063U	<0.0059U	<0.0059U	<0.0061U	<0.0061U	<0.0065U	<0.0067U
	Arochlor 1221	mg/kg	0.0063		-	-	-	-	-	-	-	-	-	<0.0066U	<0.0067U	<0.0068U	<0.0064U	<0.0065U	<0.0066U	<0.0066U	<0.0071U	<0.0073U
	Arochlor 1232	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	<0.0046U	<0.0046U	<0.0047U	<0.0044U	<0.0044U	<0.0045U	<0.0045U	<0.0049U	<0.005U
	Arochlor 1242	mg/kg	0.0026		-	-	-	-	-	-	-	-	-	<0.0027U	<0.0028U	<0.0028U	<0.0027U	<0.0027U	<0.0027U	<0.0027U	<0.0029U	<0.003U
	Arochlor 1248	mg/kg	0.0043		-	-	-	-	-	-	-	-	-	0.077	<0.0045U	0.029	0.048	0.031	<0.0045U	<0.0045U	0.04	0.2
	Arochlor 1254	mg/kg	0.0053		-	-	-	-	-	-	-	-	-	0.053	<0.0057U	0.026	0.033	0.016J,p	<0.0056U	<0.0056U	0.038	0.21
	Arochlor 1260	mg/kg	0.0051		-	-	-	-	-	-	-	-	-	0.027	<0.0054U	0.016J	0.02	0.018	<0.0053U	<0.0053U	0.02	0.087

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	1-6	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA
				Location	STI-S033	MSA-B001	MSA-B002	MSA-B003	MSA-B004	MSA-B005	MSA-B005	MSA-B006	MSA-B007	MSA-B008	MSA-B009	MSA-B010	MSA-B011	MSA-B012	MSA-B013	MSA-B014	MSA-B015	MSA-B016
				Sample Name	STI-S033-060320	MSA-B001-051620	MSA-B002-051620	MSA-B003-051620	MSA-B004-051620	MSA-B005-051720	DUP-1	MSA-B006-051620	MSA-B007-051620	MSA-B008-051620	MSA-B009-051620	MSA-B010-051620	MSA-B011-051620	MSA-B012-051620	MSA-B013	MSA-B014	MSA-B015	MSA-B016
				Sampled Date	6/3/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/17/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	5/16/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020
				Sample Depth	0-0.5	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**																	
SVOCs	1,1-Biphenyl	mg/kg	0.015		-	0.045J	<0.017U	0.023J	<0.016U	0.018J	<0.033U	0.035J	<0.017U	0.051J	<0.051U	0.029J	0.053J	<0.032U	0.059J	0.098J	0.038J	0.036J
	2,4-dimethylphenol	mg/kg	0.021		-	<0.049U	<0.025U	<0.023U	<0.024U	<0.023U	<0.048U	<0.026U	<0.025U	<0.03U	<0.076U	<0.024U	<0.024U	<0.047U	<0.024U	<0.024U	<0.024U	<0.024U
	2-methylnaphthalene	mg/kg	0.019		-	0.21	<0.019U	0.071J	0.024J	0.054J	0.054J	0.1	0.019J	0.21	0.13J	0.13	0.28	0.052J	0.32	0.54	0.17	0.13
	4-methylphenol	mg/kg	0.099	34	-	<0.23U	<0.12U	0.31J	<0.11U	<0.11U	<0.23U	<0.12U	<0.12U	<0.14U	<0.36U	0.14J	<0.12U	<0.22U	<0.11U	<0.11U	0.12J	<0.11U
	Acenaphthene	mg/kg	0.019	100	-	0.19	0.031J	0.086	<0.022U	0.065J	<0.045U	0.03J	<0.023U	<0.028U	0.078J	0.044J	0.063J	<0.043U	0.05J	0.099	0.13	0.091
	Acenaphthylene	mg/kg	0.016	100	-	3.6	0.3	1.3	0.11	0.33	0.39	0.24	0.04J	0.06J	0.88	0.41	0.88	0.37	0.71	1.9	0.79	0.2
	Acetophenone	mg/kg	0.018		-	<0.043U	<0.022U	<0.02U	<0.021U	<0.021U	<0.042U	<0.022U	<0.022U	<0.026U	<0.067U	<0.021U	<0.021U	<0.041U	<0.021U	0.027J	<0.021U	<0.021U
	Anthracene	mg/kg	0.019	100	-	1.8	0.14	0.66	0.052J	0.34	0.22	0.16	<0.021U	0.048J	0.61	0.25	0.45	0.2	0.36	1	0.56	0.21
	Benz(a)anthracene	mg/kg	0.033	1	-	6.3F2,F1	0.52	1.8	0.16	1	0.54	0.36	0.05J	0.17	4.4	0.78	0.91	0.67	0.73	2.4	1.4	0.54
	Benzaldehyde	mg/kg	0.042		-	<0.098U,F1,*	<0.05U,*	<0.046U,*	<0.048U,*	<0.047U,*	<0.096U,*	<0.051U,*	<0.05U,*	<0.06U,*	<0.15U,*	<0.049U,*	<0.049U,*	<0.094U,*	<0.048U	<0.048U	<0.048U	<0.048U
	Benzo(a) pyrene	mg/kg	0.031	1	-	7.6F2,F1	0.63	2	0.21	0.96	0.64	0.35	0.051J	0.15	4.8	0.92	1.1	0.76	0.9	2.6	1.6	0.55
	Benzo(b)fluoranthene	mg/kg	0.067	1	-	8.8F2,F1	0.74	2.7	0.24	1.1	0.78	0.37	0.064J	0.2	5.4	1.1	1.2	0.95	0.99	2.7	2	0.66
	Benzo(g,h,i)perylene	mg/kg	0.067	100	-	6.2F1	0.51	1.9	0.17	0.74	0.66	0.25	0.047J	0.13	3.5	0.79	0.98	0.73	0.64	1.7	1.3	0.41
	Benzo(k)fluoranthene	mg/kg	0.022	1	-	3.5F2,F1	0.25	0.88	0.1	0.45	0.29	0.14	0.029J	0.069J	2.3	0.42	0.43	0.36	0.35	0.87	0.77	0.27
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		-	<0.84U	<0.43U	<0.4U	<0.41U	<0.4U	<0.83U	<0.44U	<0.43U	<0.51U	<1.3U	<0.42U	<0.42U	<0.8U	<0.41U	<0.41U	<0.41U	<0.41U
	Carbazole	mg/kg	0.016		-	0.26	0.023J	0.12	<0.018U	0.086	0.038J	0.035J	<0.019U	<0.023U	0.11J	0.048J	0.048J	0.043J	0.045J	0.066J	0.15	0.075J
	Chrysene	mg/kg	0.041	1	-	6.8F2,F1	0.54	2.2	0.19	1.1	0.59	0.38	0.056J	0.31	4	0.86	1	0.72	0.79	2.4	1.6	0.54
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	-	1.5	0.18	0.47	0.1	0.24	0.27	0.13	<0.052U	0.12	1.1	0.26	0.3	0.29	0.23	0.55	0.38	0.17
	Dibenzofuran	mg/kg	0.016	14	-	0.12J	<0.018U	0.05J	<0.017U	0.056J	<0.034U	0.058J	<0.018U	0.084J	0.083J	0.049J	0.079J	<0.033U	0.086J	0.15J	0.1J	0.086J
	Fluoranthene	mg/kg	0.067	100	-	7.9F2,F1	0.63	3.1	0.22	2	0.81	0.41	0.071J	0.27	6.1	1.1	0.99	1	0.84	2.3	2.3	0.89
	Fluorene	mg/kg	0.014	100	-	0.34	0.037J	0.15	<0.015U	0.13	0.054J	0.047J	<0.016U	<0.019U	0.12J	0.068J	0.11	0.055J	0.099	0.23	0.16	0.086
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	-	5.5F1	0.44	1.6	0.15	0.68	0.58	0.22	0.046J	0.1	3.4	0.75	0.86	0.67	0.57	1.5	1.2	0.39
	Naphthalene	mg/kg	0.067	100	-	0.37	0.029J	0.11	0.027J	0.066J	0.064J	0.13	0.025J	0.15	0.26	0.16	0.42	0.077J	0.49	0.9	0.26	0.16
	Phenanthrene	mg/kg	0.067	100	-	2.1	0.17	1.4	0.083	1.4	0.28	0.34	0.057J	0.37	1	0.4	0.45	0.33	0.51	0.87	1.1	0.6
	Pyrene	mg/kg	0.067	100	-	9.5F2,F1	0.78	3.3	0.24	2	0.81	0.45	0.07J	0.25	6.2	1.1	1.2	1.1	1.1	3.7	2.5	0.88
Metals	Aluminum	mg/kg	12		-	7200	8200	5400	6500	7100	5900	8000	10,000	7000	6900	4700	6700	3300	7500	8100	3600	8700
	Antimony	mg/kg	0.24		-	<0.26U	0.38J	0.32J	0.49J	0.64J	<0.3U	0.71	0.54J	3.7	0.47J	0.25J	0.51J	<0.26U	<0.32U	1.6	<0.3U	<0.31U
	Arsenic	mg/kg	0.6	16	-	5.6	5.6	4.3	5.2	6.4	5	6.9	6	14	6	8.9	4.2	3.7	6.9	7.8	4.5	6.8
	Barium	mg/kg	12	350	-	61	45	41	84	97	72	120	76	170	68	75	69	46	140	160	45	130
	Beryllium	mg/kg	0.24	14	-	0.3	0.38	0.21J	0.31	0.33	0.25J	0.38	0.41	0.49	0.29	0.23J	0.26	0.15J	0.36J	0.4	0.21J	0.37
	Cadmium	mg/kg	0.3	2.5	-	0.26J	0.049J	0.29J	0.093J	0.27J	0.23J	0.17J	0.063J	0.34J	0.17J	0.28J	0.15J	0.25J	0.22J	0.19J	0.34J	0.088J
	Calcium	mg/kg	300		-	40,000	1400	66,000	860	20,000	46,000	1700	2200	2300	40,000	44,000	19,000	140,000	38,000	17,000	150,000	9600
	Chromium (III+VI)	mg/kg	0.3	22	-	9	8.7	6.8	7.9	18	13	14	12	80	11	7.6	9.6	5.3	12	24	7.1	12
	Cobalt	mg/kg	3		-	5.9	7.3	4.6	7.9	6.4	5.2	7.4	7.7	8.2	6.5	4.8	6	3.6J	5.9	7.8	4.2J	7.9
	Copper	mg/kg	1.5	270	-	22	9.4	19	17	38	51	42	22	120	36	48	39	19	38	59	17	26
	Iron	mg/kg	6		-	14,000	16,000	12,000	13,000	16,000	15,000	17,000	18,000	61,000	17,000	13,000	16,000	7800	16,000	22,000	8100	18,000
	Lead	mg/kg	0.6	400	-	30	10	28	16	62	47	63	35	680	49	65	33	27	61	340	31	31
	Magnesium	mg/kg	300		-	13,000	2100	9000	1500	4500	6200	1800	2600	1500	8300	11,000	4700	13,000	8000	4200	26,000	3400
	Manganese	mg/kg	0.9	2000	-	420	550	230	760	410	380	640	330	460	360	330	350	270	400	460	350	370
	Mercury	mg/kg	0.027	0.81	-	0.14	0.033J	0.033J	0.034J	0.06	0.052	0.034J	<0.027U	0.72	0.047	0.07	0.048	0.056	0.067	0.11	0.035J	0.072
	Nickel	mg/kg	2.4	140	-	17	12	14	15	30	22	33	23	160	28	20	20	13	26	47	14	20
	Potassium	mg/kg	300		-	570	430	450	390	580	520	600	560	570	570	500	450	420	670	720	800	760
	Selenium	mg/kg	0.37	36	-	0.85	<0.37U	1.6	0.36J	0.71	1.4	0.65	0.45J	1.7	0.99	1	0.82	1.8	0.7J	0.86J	1.9	<0.47U
	Silver	mg/kg	0.063	36	-	<0.079U	<0.075U	<0.095U	<0.063U	<0.073U	<0.094U	<0.067U	<0.07U	<0.078U	<0.075U	<0.066U	<0.069U	<0.082U	<0.099U	<0.1U	<0.093U	<0.096U
	Sodium	mg/kg	36		-	65J	<43U	60J	<36U	66J	67J	<38U	<40U	89J	77J	61J	43J	88J	71J	60J	150J	<55U
	Thallium	mg/kg	0.19		-	<0.24U	<0.23U	<0.29U	<0.19U	<0.22U	<0.29U	<0.2U	<0.21U	0.37J	<0.23U	<0.2U	<0.21U	<0.25U	<0.3U	<0.32U	<0.28U	<0.29U
	Vanadium	mg/kg	3		-	11	14	8.8	9.6	11	9.5	12	14	19	11	7.6	10	5.9	12	14	8.6	13
	Zinc	mg/kg	1.2	2200	-	59	40	44	39	69	60	73	53	88	62	55	58	41	87	95	36	66
PCBs	Total PCBs	mg/kg		1	<0.0423	0.5886	0.262	0.2894	0.104	0.1478	1.295	0.08245	0.06915	0.04705	1.193	0.5636	0.6856	0.1088	0.2549	0.549	0.3611	0.5719
	Arochlor 1016	mg/kg	0.0058		<0.0058U	<0.0065U	<0.0067U	<0.006U	<0.0063U	<0.0063U	<0.0064U	<0.0065U	<0.0068U	<0.0078U	<0.0066U	<0.0065U	<0.0065U	<0.0059U	<0.0062U	<0.0063U	<0.0063U	<0.0062U
	Arochlor 1221	mg/kg	0.0063		<0.0063U	<0.0071U	<0.0073U	<0.0065U	<0.0068U	<0.0068U	<0.007U	<0.0071U	<0.0074U	<0.0085U	<0.0071U	<0.0071U	<0.0071U	<0.0065U	<0.0068U	<0.0068U	<0.0069U	<0.0068U
	Arochlor 1232	mg/kg	0.0043		<0.0043U	<0.0049U	<0.005U	<0.0045U	<0.0047U	<0.0047U	<0.0048U	<0.0049U	<0.0051U	<0.0059U	<0.0049U	<0.0049U	<0.0049U	<0.0044U	<0.0047U	<0.0047U	<0.0047U	<0.0047U
	Arochlor 1242	mg/kg	0.0026		<0.0026U	<0.0029U	<0.003U	<0.0027U	<0.0028U	<0.0028U	<0.0029U	<0.0029U	<0.003U	<0.0035U	<0.003U	<0.0029U	<0.0029U	<0.0027U	<0.0028U	<0.0028U	<0.0028U	<0.0028U
	Arochlor 1248	mg/kg	0.0043		<0.0043U	0.3	0.13	0.13	0.035	0.069	0.68	0.04	0.031	<0.0058U	0.67	0.28	0.39	0.056	0.12	0.31	0.18	0.31
	Arochlor 1254	mg/kg	0.0053		<0.0053U	0.18	0.075	0.088	0.026	0.061	0.46	0.024	0.019J	0.022J	0.41	0.2	0.2	0.036	0.093	0.18	0.12	0.19
	Arochlor 1260	mg/kg	0.0051		<0.0051U	0.093	0.041	0.057	0.028	<0.0055U	0.14	<0.0057U	<0.0059U	<0.0069U	0.097	0.068	0.08	<0.0052U	0.027	0.044	0.046	0.057

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

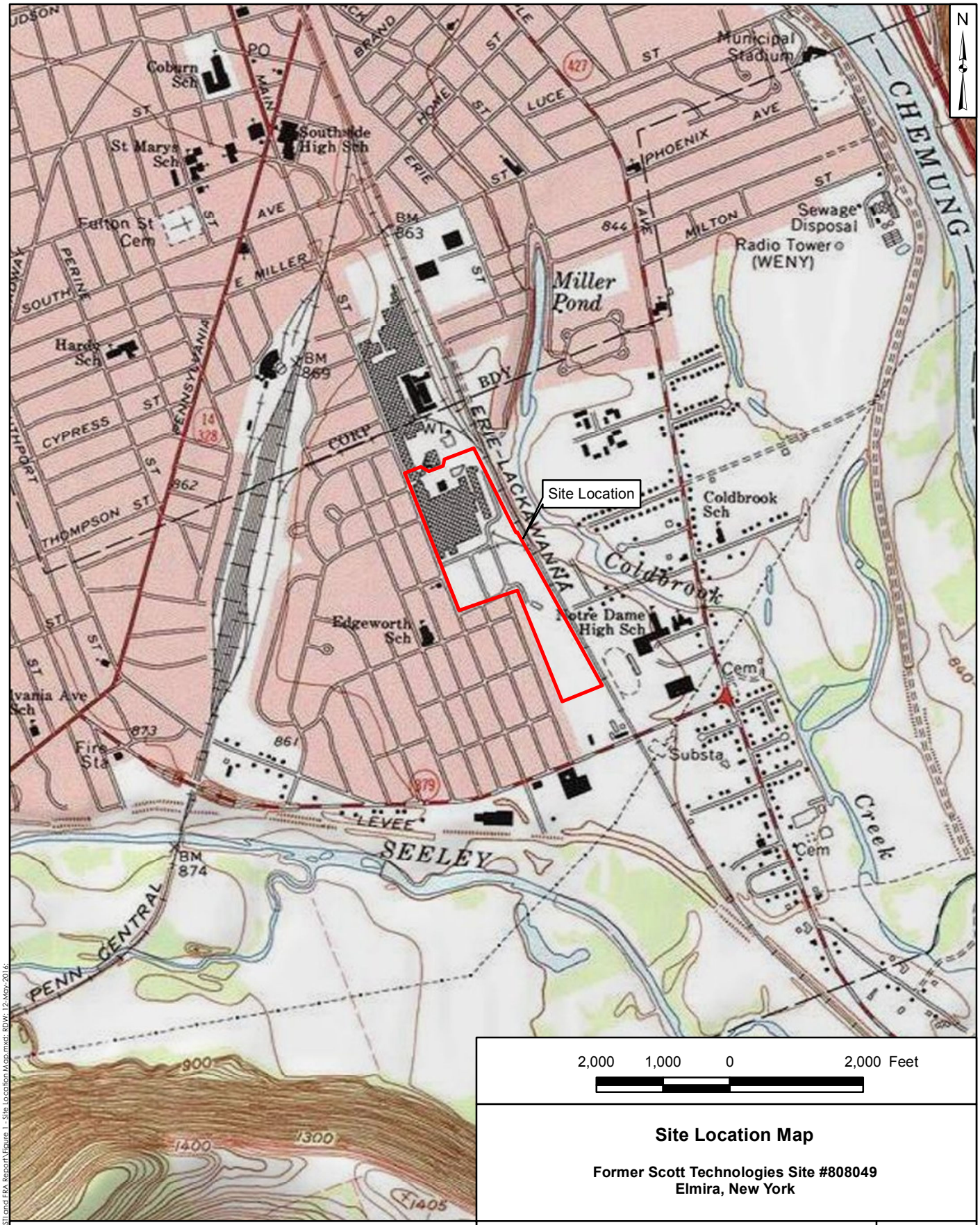
Table 6
COPS Remaining in Soils- South of Building 88

Former Scott Technologies Site
Elmira, New York

				Excavation	MSA	MSA	MSA	MSA	MSA	MSA	MSA	MSA
				Location	MSA-B017	MSA-B018	MSA-B019	MSA-B020	MSA-B021	MSA-B022	MSA-B023	MSA-B024
				Sample Name	MSA-B017	MSA-B018	MSA-B019	MSA-B020	MSA-B021	MSA-B022	MSA-B023	MSA-B024
				Sampled Date	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020	6/24/2020
				Sample Depth	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17	0-0.17
Group	**Analyte**	**Units**	**EQL**	**Residential SCO**								
SVOCs	1,1-Biphenyl	mg/kg	0.015		<0.079U	0.017J	<0.016U	0.029J	0.083J	0.45	<0.16U	<0.08U
	2,4-dimethylphenol	mg/kg	0.021		<0.12U	<0.024U	<0.024U	<0.024U	<0.024U	0.084J	<0.24U	<0.12U
	2-methylnaphthalene	mg/kg	0.019		0.26J	0.046J	0.036J	0.14	0.43	2.2	0.55J	0.28J
	4-methylphenol	mg/kg	0.099	34	<0.55U	<0.11U	<0.11U	<0.12U	<0.11U	0.17J	<1.1U	<0.56U
	Acenaphthene	mg/kg	0.019	100	0.34J	0.032J	0.027J	0.046J	0.083	2.5	0.54J	0.48
	Acenaphthylene	mg/kg	0.016	100	4.1	0.73	0.38	0.75	1.1	1.5	5.5	6.4
	Acetophenone	mg/kg	0.018		<0.1U	<0.021U	<0.021U	<0.021U	<0.021U	<0.022U	<0.21U	<0.1U
	Anthracene	mg/kg	0.019	100	2.1	0.32	0.16	0.38	0.64	5.2	2.8	2.9
	Benz(a)anthracene	mg/kg	0.033	1	6.7	0.93	0.36	0.83	1.6	7.4	6.9	8
	Benzaldehyde	mg/kg	0.042		<0.23U	<0.047U,F1	<0.048U	<0.049U	<0.048U	<0.049U	<0.49U	<0.24U
	Benzo(a) pyrene	mg/kg	0.031	1	7.8	1.1	0.47	0.93	1.7	6.4	7.8	10
	Benzo(b)fluoranthene	mg/kg	0.067	1	9.2	1.3	0.48	1.1	1.8	6.6	8.8	12
	Benzo(g,h,i)perylene	mg/kg	0.067	100	6.5	0.97	0.37	0.8	1.2	3.7	6.9	9
	Benzo(k)fluoranthene	mg/kg	0.022	1	3.6	0.54	0.21	0.4	0.67	2.7	3.4	4.4
	Bis(2-ethylhexyl) phthalate	mg/kg	0.36		<2U	<0.4U	<0.42U	<0.42U	<0.41U	<0.42U	<4.2U	<2U
	Carbazole	mg/kg	0.016		0.33J	0.045J	0.02J	0.062J	0.062J	2.3	0.41J	0.37J
	Chrysene	mg/kg	0.041	1	6.9	1	0.43	0.95	1.4	5.6	7.3	8.6
	Dibenz(a,h)anthracene	mg/kg	0.046	0.33	1.8	0.27	0.15	0.25	0.38	1.1	2.2	2.3
	Dibenzofuran	mg/kg	0.016	14	0.18J	0.019J	<0.017U	0.049J	0.092J	1.9	0.27J	0.14J
	Fluoranthene	mg/kg	0.067	100	9.1	1.1	0.45	1.2	2	16	10	11
	Fluorene	mg/kg	0.014	100	0.52	0.053J	0.037J	0.084	0.16	2.6	0.7J	0.58
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.036	0.5	5.6	0.82	0.31	0.67	1.1	3.6	6.5	7.4
	Naphthalene	mg/kg	0.067	100	0.38	0.069J	0.06J	0.23	0.79	5.8	0.91	0.53
	Phenanthrene	mg/kg	0.067	100	3.5	0.24	0.12	0.54	0.91	16	4.6	3.8
	Pyrene	mg/kg	0.067	100	11	1.4	0.61	1.5	2.2	12	12	13
Metals	Aluminum	mg/kg	12		7000	7200	10,000	8100	7700	8600	6000	4000
	Antimony	mg/kg	0.24		<0.3U	<0.37U,F1	<0.27U	<0.33U	<0.31U	0.45J	<0.24U,F1	<0.24U
	Arsenic	mg/kg	0.6	16	5.9	6.2	5.5	6.6	7.2	7	4.6	5.8
	Barium	mg/kg	12	350	120	100F1	94	130	130	190	76F1,F2	53
	Beryllium	mg/kg	0.24	14	0.32J	0.29J	0.35	0.37J	0.37	0.42	0.27J,F1	0.21J
	Cadmium	mg/kg	0.3	2.5	0.34J	0.22J	0.094J	0.2J	0.18J	0.23J	0.22J	0.51
	Calcium	mg/kg	300		77,000	33,000F2	10,000	46,000	25,000	16,000	65,000	140,000
	Chromium (III+VI)	mg/kg	0.3	22	10	21F1	13	9.6	13	18	9.9F1	7.9
	Cobalt	mg/kg	3		5.2	5.9	5.5	5.8	6.4	6.6	5	4.6J
	Copper	mg/kg	1.5	270	35	51	21	23	32	86	23	30
	Iron	mg/kg	6		14,000	20,000F2	17,000	15,000	17,000	20,000	13,000	9900
	Lead	mg/kg	0.6	400	91	42F1	17	35	41	52	34	35
	Magnesium	mg/kg	300		16,000	6400F2,F1	3800	8000	6900	3400	11,000	26,000
	Manganese	mg/kg	0.9	2000	490	870F2	270	480	450	350	360	330
	Mercury	mg/kg	0.027	0.81	0.18	0.44F1,F2	0.03J	0.063	0.059	0.11	0.074	0.056
	Nickel	mg/kg	2.4	140	19	18	16	18	23	34	18	17
	Potassium	mg/kg	300		640	460J	610	670	640	720	480	490
	Selenium	mg/kg	0.37	36	1.3	0.59J	0.52J	1.2	0.59J	0.44J	1.3	2
	Silver	mg/kg	0.063	36	<0.093U	<0.11U	<0.083U	<0.1U	<0.096U	<0.084U	<0.073U	<0.074U
	Sodium	mg/kg	36		81J	<66U	<47U	69J	55J	56J	72J	100J
	Thallium	mg/kg	0.19		<0.28U	<0.35U	<0.25U	<0.31U	<0.29U	<0.26U	<0.22U	<1.1U
	Vanadium	mg/kg	3		12	12	13	13	13	14	13F1	7.7
	Zinc	mg/kg	1.2	2200	73	89F1	59	67	78	110	56	48
PCBs	Total PCBs	mg/kg		1	0.7248	0.1627	0.02925	0.3153	0.2053	0.1526	0.4349	0.4481
	Arochlor 1016	mg/kg	0.0058		<0.0062U	<0.0061U	<0.0063U	<0.0064U	<0.0064U	<0.0065U	<0.0062U	<0.0063U
	Arochlor 1221	mg/kg	0.0063		<0.0067U	<0.0067U	<0.0068U	<0.0069U	<0.007U	<0.0071U	<0.0068U	<0.0069U
	Arochlor 1232	mg/kg	0.0043		<0.0046U	<0.0046U	<0.0047U	<0.0048U	<0.0048U	<0.0049U	<0.0047U	<0.0047U
	Arochlor 1242	mg/kg	0.0026		<0.0028U	<0.0028U	<0.0028U	<0.0029U	<0.0029U	<0.0029U	<0.0028U	<0.0028U
	Arochlor 1248	mg/kg	0.0043		0.35	0.067	0.0086J	0.17	0.11	0.071	0.21	0.18
	Arochlor 1254	mg/kg	0.0053		0.25	0.05	<0.0058U	0.1	0.063	0.048	0.14	0.17
	Arochlor 1260	mg/kg	0.0051		0.11	0.031	<0.0055U	0.03	0.017J	0.018J	0.07	0.083

Notes:
EQL - Estimated Quantitation Limit
mg/kg - milligrams per kilogram
Analyte concentrations detected above Residential screening criteria are presented in light gray.

FIGURES



2,000 1,000 0 2,000 Feet

Site Location Map

Former Scott Technologies Site #808049
Elmira, New York

Notes:
Topographic map accessed via ArcGIS Online and provided by National Geographic Society and i-cubed on 12 May 2016. Elmira, New York Quadrangle (1971, photorevised 1976) is shown.

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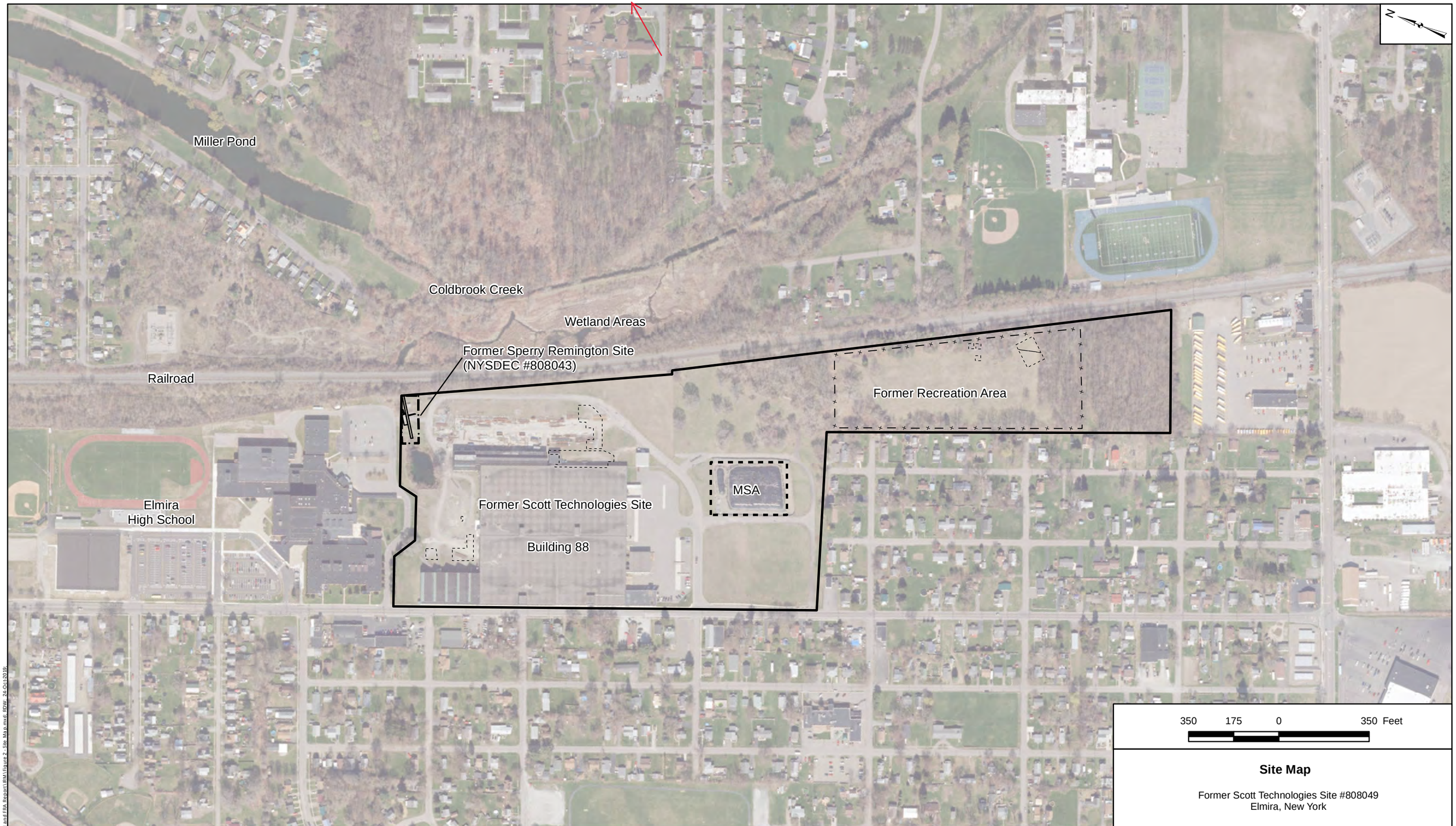
Columbia, Maryland | May 2021

Figure 1

P:\GIS\Elmira - MW0832\Maps\SSI and FRA Report\Figure 1 - Site Location Map.mxd; ROW; 12-May-2016;



Legend

- Site Boundary - Former Sperry Remington
- Approximate Areas of Excavation
- Site Boundary - STCC
- FRA Fence
- MSA

Notes

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 24 October 2019. Image is dated 2 June 2010.
FRA - Former Recreation Area MSA - Material Staging Area
MSA footprint is approximate.

Site Map

Former Scott Technologies Site #808049
Elmira, New York

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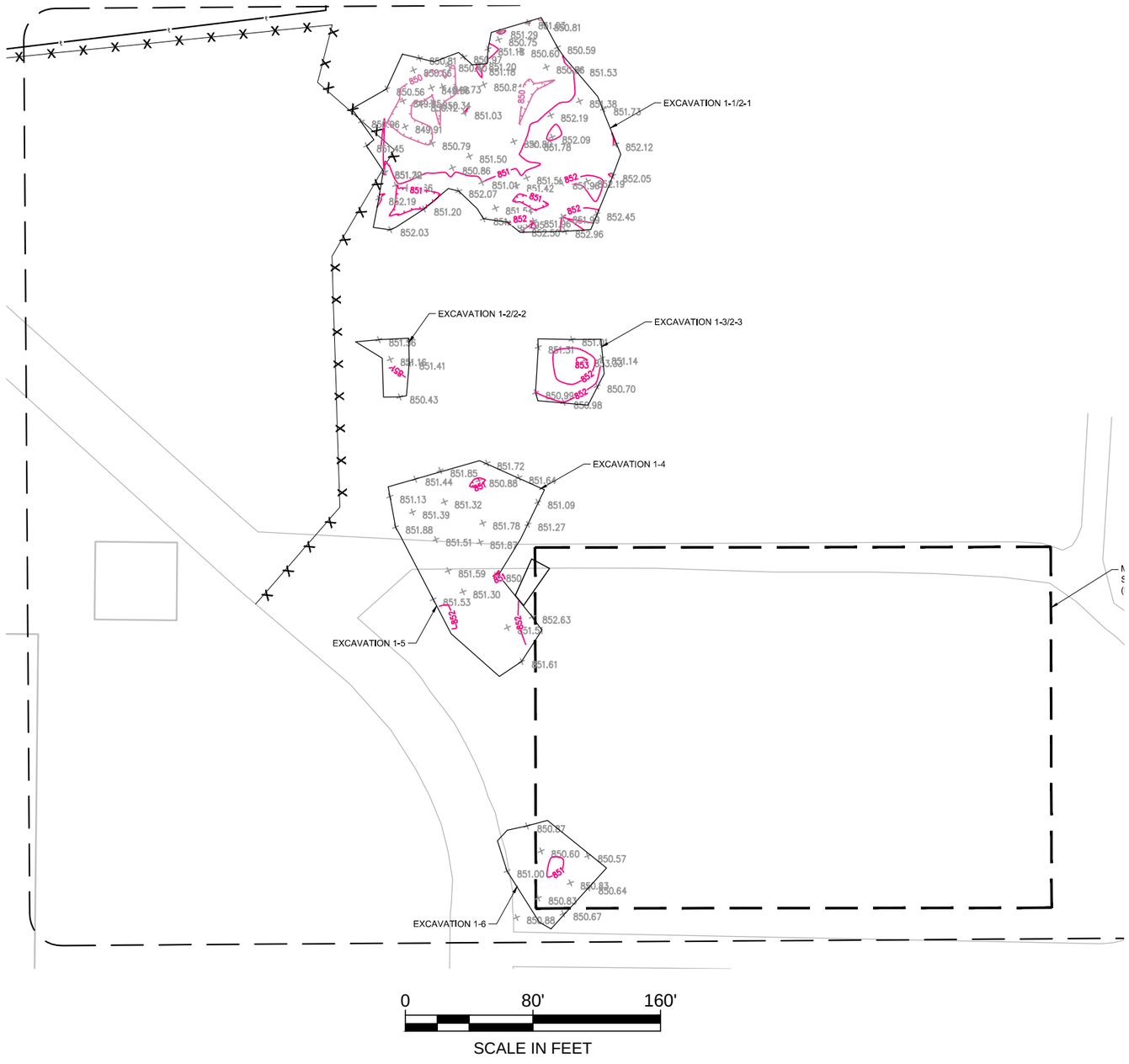
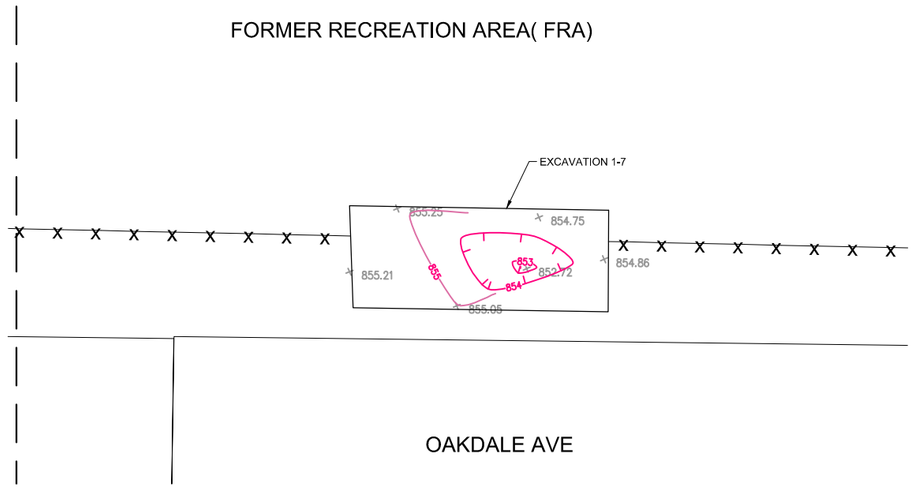
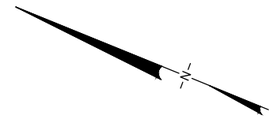
Figure **2**

P:\GIS\Elmira - MW0924 Maps\SR and FRA Report\RM Figure 2 - Site Map.mxd ROW 24-Oct-2019







LEGEND

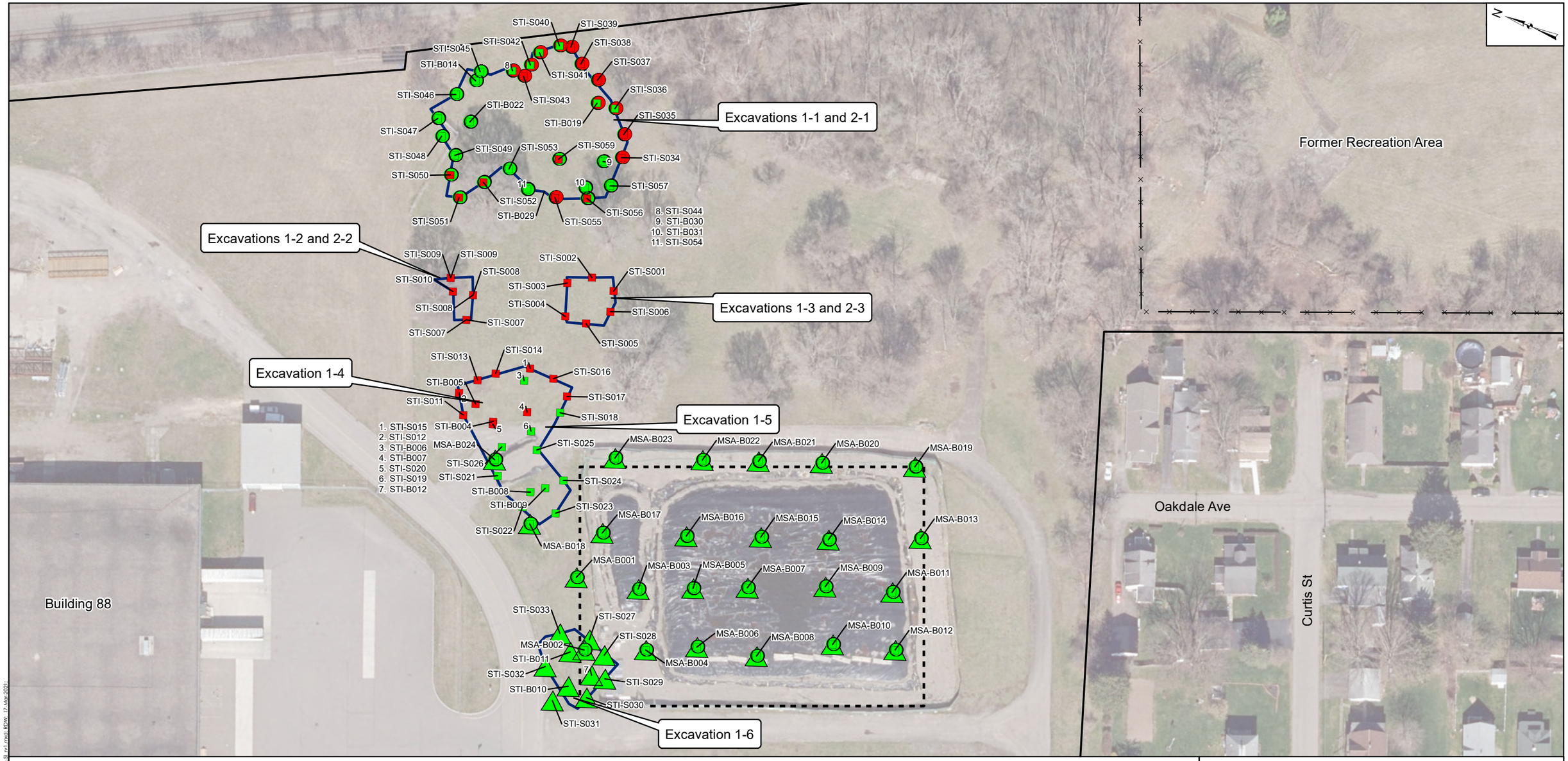
- PROPERTY LINE
- LIMIT OF EXCAVATION
- 852 — ELEVATION CONTOUR (FT MSL)
- 852.01 — SPOT ELEVATION (FT MSL)

CONTOUR MAP OF EXCAVATION DEPTHS

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

DATE:	march 2021
PROJECT NO.	MN0823C
DOCUMENT NO.	
FILE NO.	MN0832C-202
FIGURE NO.	3

X:\cadd\PROJECTS\EUnisys - Elmira NY (MN0832D)\MN0832C 3-20\PERMIT\DRAWINGS\STI IRM - 200\MN0832C-202.dwg



Legend

Total PAH Exceedances

- Does Not Exceed IRM Action Level (100 mg/kg)
- Exceeds IRM Action Level (100 mg/kg)

Metals Exceedances

- Does Not Exceed Industrial SCO
- Exceeds Industrial SCO

PCB Exceedances

- Does Not Exceed Industrial SCO

Site Boundary
MSA
Excavation Limit
FRA Fence

100 50 0 100 Feet

End-Point Sampling - South of Building 88 (0-0.5 ft bgs)

Former Scott Technologies Site #808049
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

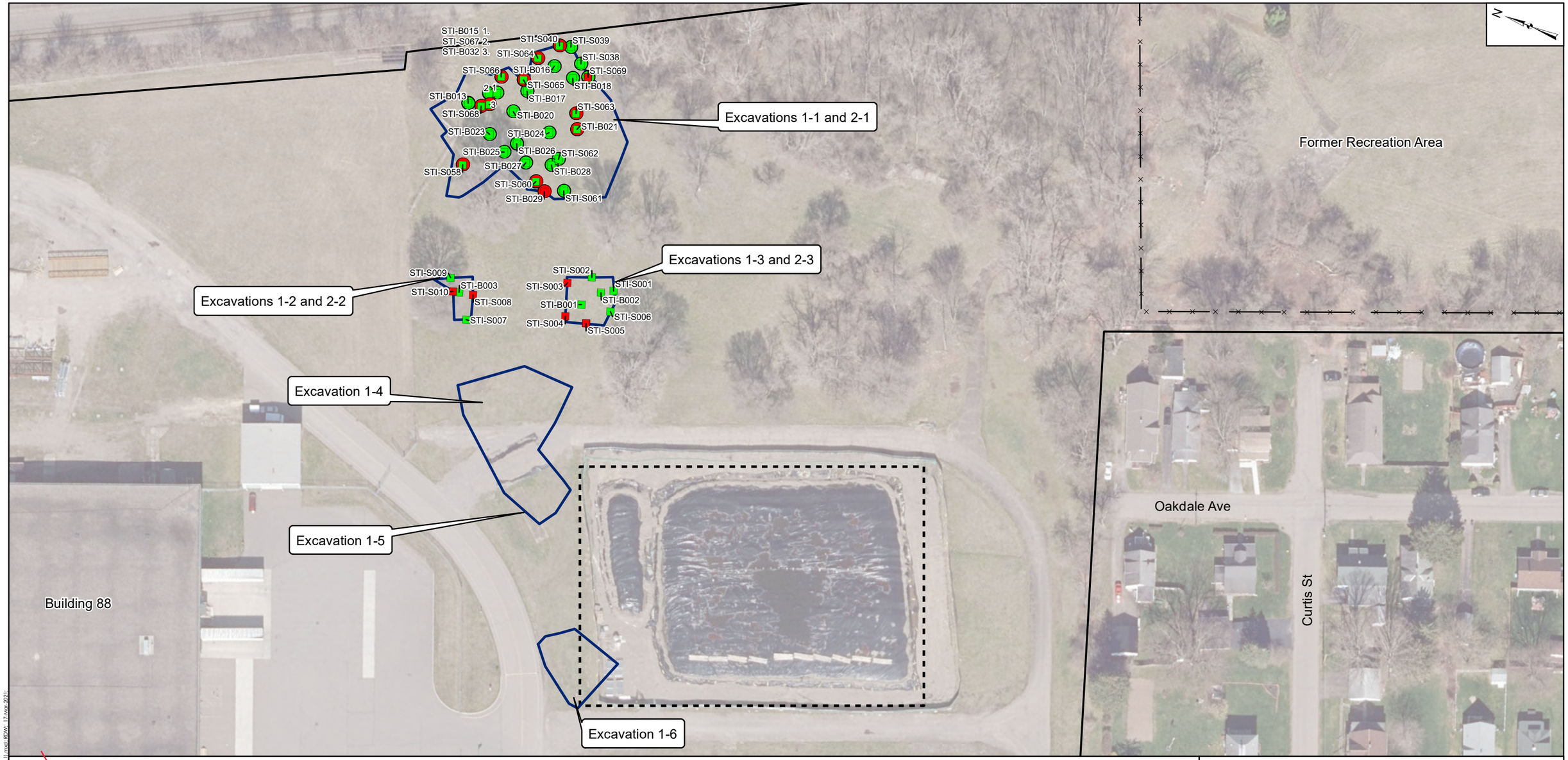
Columbia, Maryland | March 2021

Figure **4.1**

Notes and Disclaimer
IRM action levels for the Area South of Building 88 are Industrial Soil Cleanup Objectives (6 NYCRR Part 375) for metals and PCBs and 100 mg/kg for total PAHs. See text for details.
Georeferenced items may include historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 02 December 2020. Image is dated 2 June 2010.
STCC - Southern Tier Commerce Center FRA - Former Recreation Area ft bgs - feet below ground surface

P:\GIS\Elmira - NW\092\Maps\ST\mxd\FRA Report\Figure 2 - End Point Sampling @ Bldg 88.mxd RDW 17-Mar-2021



Legend

Total PAH Exceedances

- Does Not Exceed IRM Action Level (100 mg/kg)
- Exceeds IRM Action Level (100 mg/kg)

Metals Exceedances

- Does Not Exceed Industrial SCO
- Exceeds Industrial SCO

Site Boundary | MSA | **Excavation Limit**

FRA Fence

100 50 0 100 Feet

Notes and Disclaimer

IRM action levels for the Area South of Building 88 are Industrial Soil Cleanup Objectives (6 NYCRR Part 375) for metals and PCBs and 100 mg/kg for total PAHs. See text for details.

Georeferenced items may include historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 01 December 2020. Image is dated 2 June 2010.

STCC - Southern Tier Commerce Center FRA - Former Recreation Area ft bgs - feet below ground surface

End-Point Sampling - South of Building 88 (0.5-1 ft bgs)

Former Scott Technologies Site #808049
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Columbia, Maryland | March 2021

Figure **4.2**

P:\GIS\Elmira - MW\802A\Maps\ST\Land FRA Report\Figure 3 - End Point Sampling (0.5-1) (mod) (BW - 17-Mar-2021)

Legend

SVOC Exceedances

- Does Not Exceed Residential Screening Criteria

Metals Exceedances

- Does Not Exceed Residential Screening Criteria
- Exceeds Residential Screening Criteria

Site Boundary

FRA Fence

25 12.5 0 Feet

End-Point Sampling – Outside of FRA (0-0.5 ft bgs)

Former Scott Technologies Site #808049
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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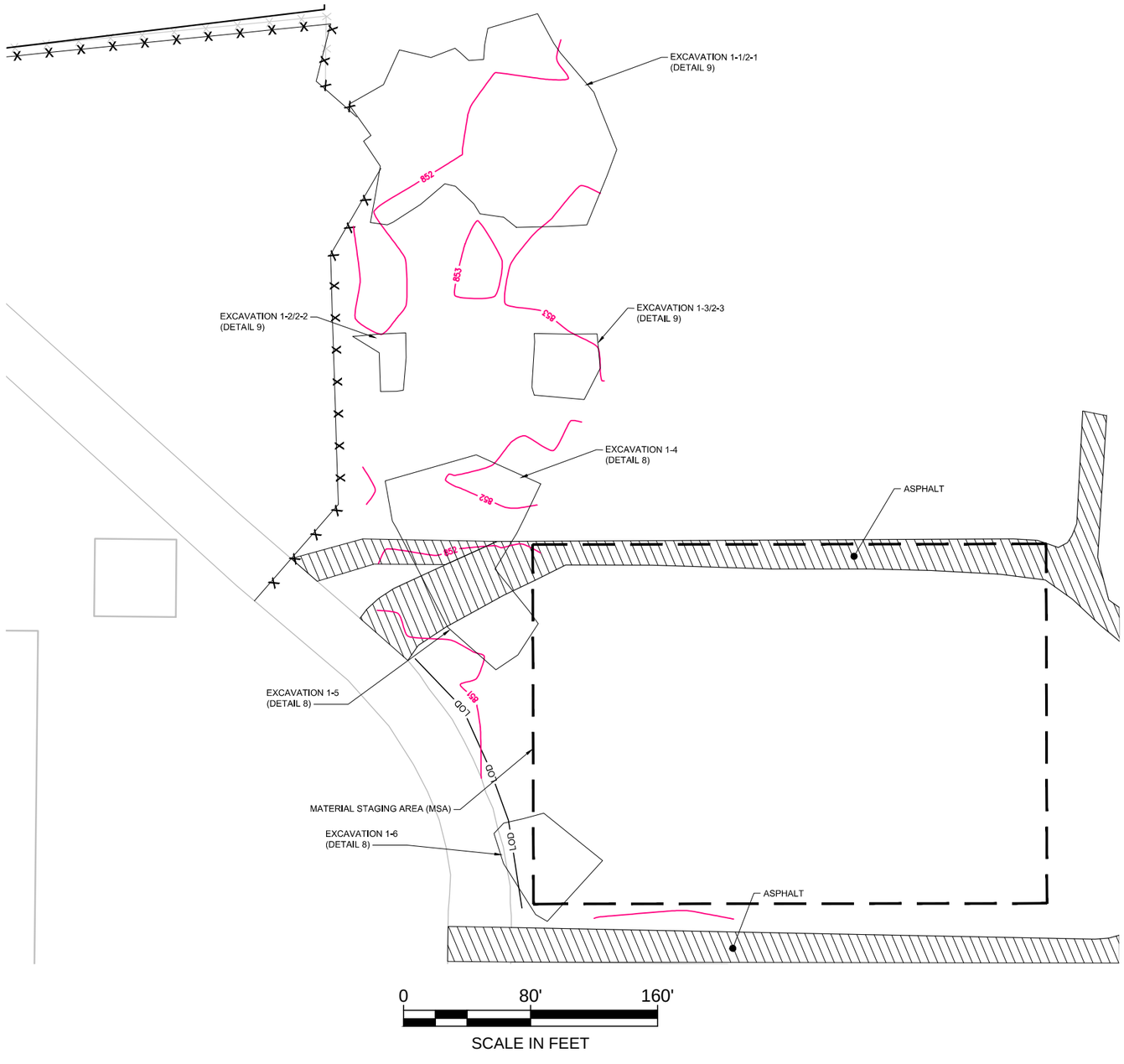
Columbia, Maryland | October 2020

Figure **5**

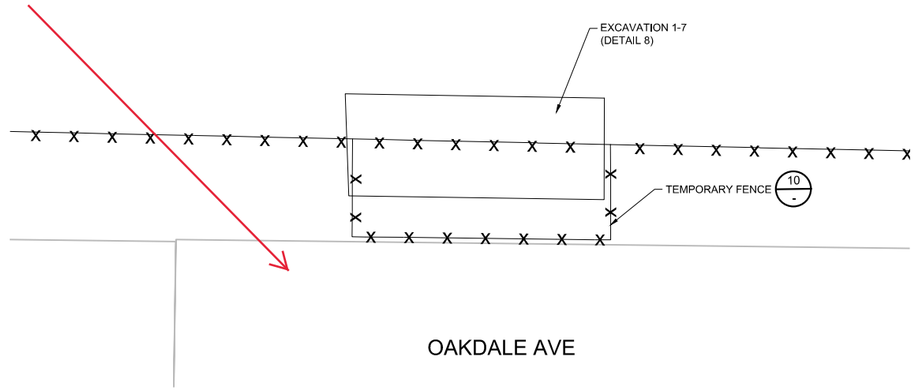
Notes and Disclaimer
IRM action levels for the Area Outside of the FRA are Residential Soil Cleanup Objectives (6 NYCRR Part 375). See text for details.
Georeferenced items may include historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 06 October 2020. Image is dated 2 June 2010.
STCC - Southern Tier Commerce Center FRA - Former Recreation Area ft bgs - feet below ground surface

P:\GIS\Elmira - MW0832\Maps\Stirrod FRA Report\Figure 5 - End-Point Sampling - Outside of FRA.mxd; RDW; 06-Oct-2020



FORMER RECREATION AREA (FRA)



OAKDALE AVE

0 20 40

SCALE IN FEET

N

LEGEND

- PROPERTY LINE
- LIMIT OF EXCAVATION
- 852 — ELEVATION CONTOUR (FT MSL)
- ASPHALT

LOCATION AND EXTENT OF IMPORTED BACKFILL

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DATE:	MARCH 2021
PROJECT NO.	MN0823C
DOCUMENT NO.	
FILE NO.	MN0832C-204
FIGURE NO.	6

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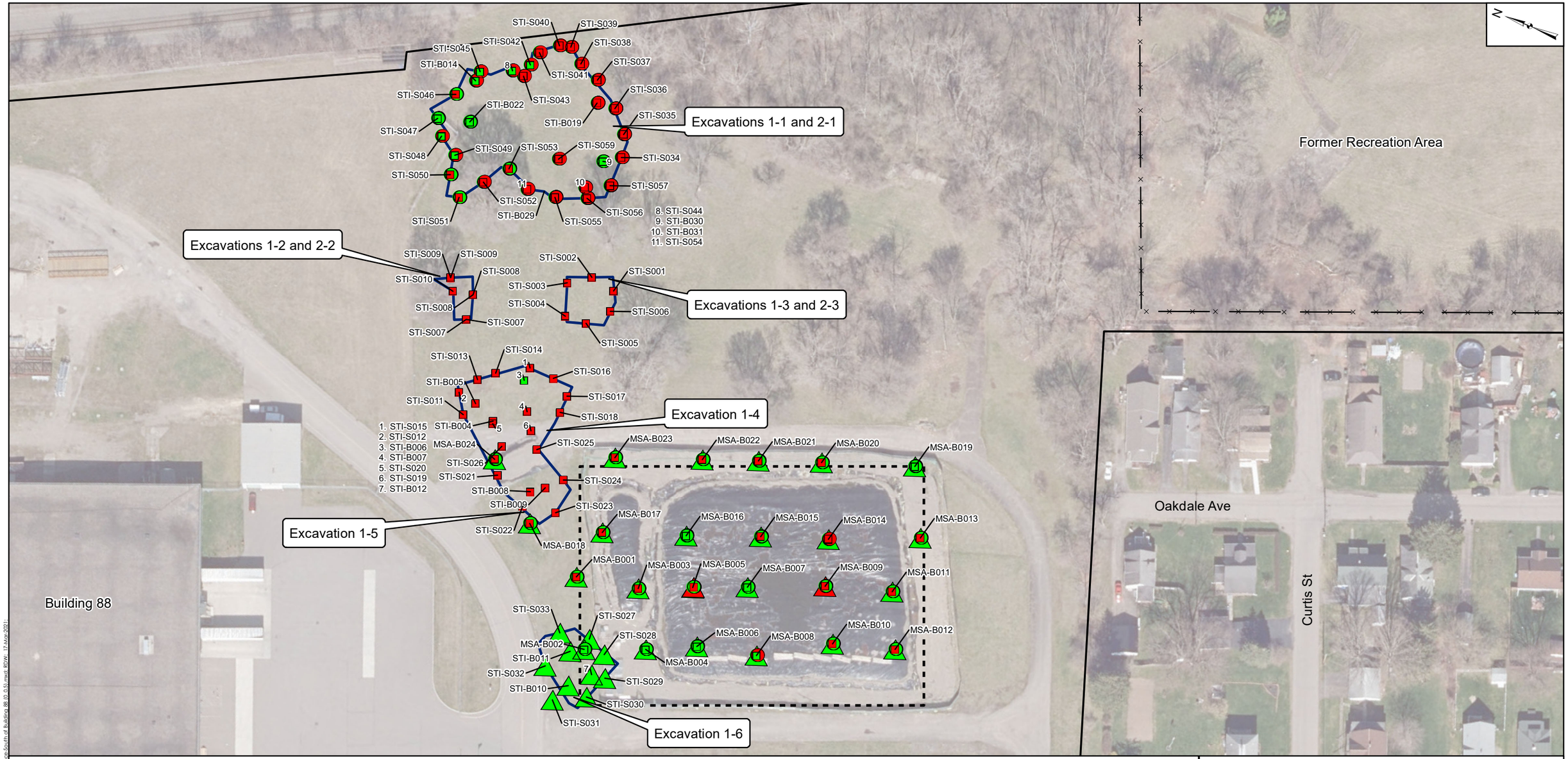

Legend

SVOC Exceedances

- Does Not Exceed Residential Sreening Criteria
- Exceeds Residential Screening Criteria

Metals Exceedances

- Does Not Exceed Residential Sreening Criteria
- Exceeds Residential Screening Criteria

PCB Exceedances

- Does Not Exceed Residential Screening Criteria
- Exceeds Residential Screening Criteria

Site Boundary — Excavation Limit

FRA Fence

MSA

100 50 0 100 Feet

COPCs Remaining in Place – South of Building 88 (0-0.5 ft bgs)

Former Scott Technologies Site #808049
Elmira, New York

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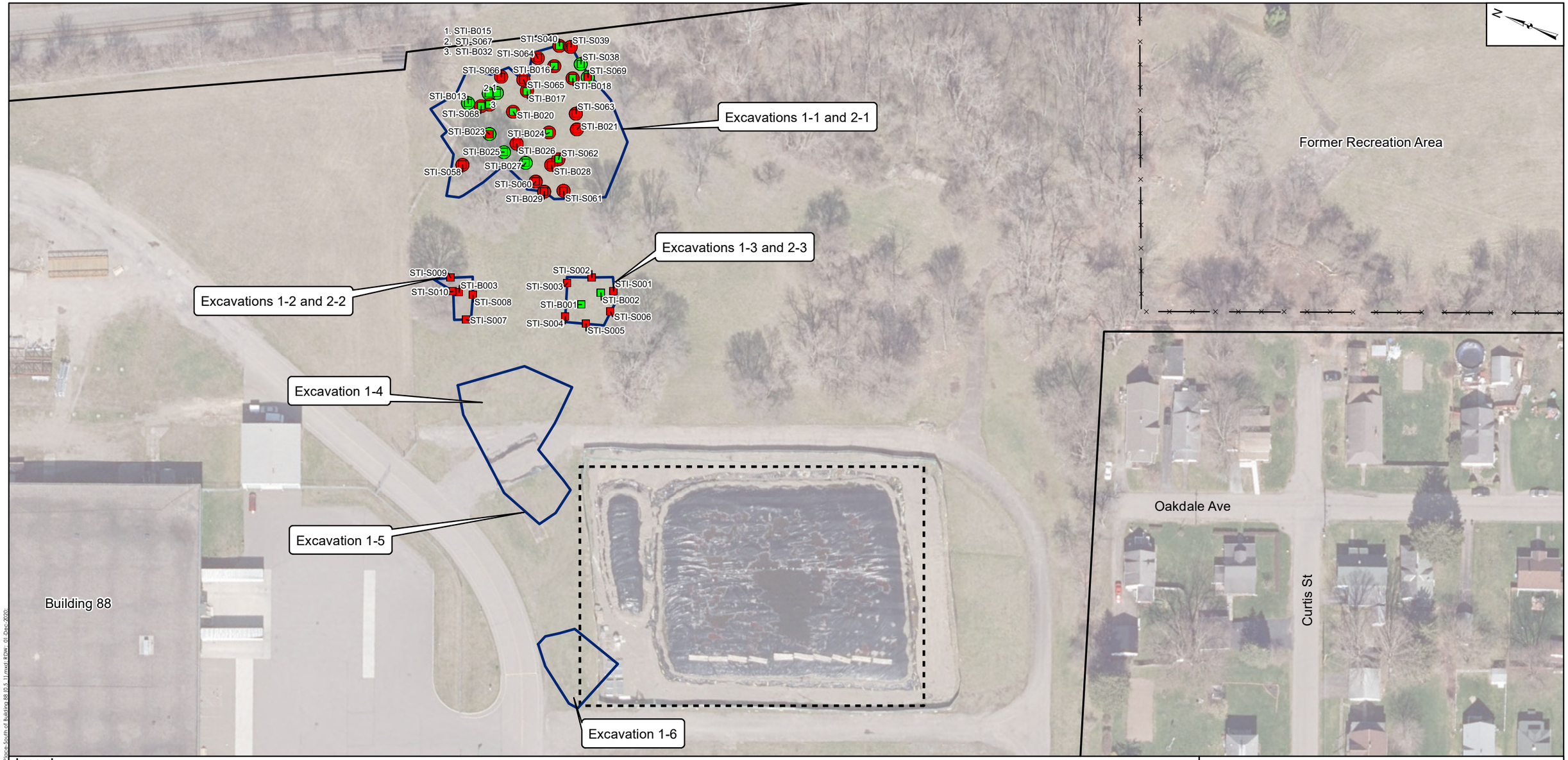
Figure **7.1**

Notes and Disclaimer

Screening criteria for the Site are Residential Soil Cleanup Objectives (6 NYCRR Part 375). See text for details.
Georeferenced items may include historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 02 December 2020. Image is dated 2 June 2010.
STCC - Southern Tier Commerce Center FRA - Former Recreation Area ft bgs - feet below ground surface

P:\GIS\Elmira - MW0832\Maps\STI and FRA Report\Figure 7 - COPCs Remaining in Place South of Building 88 (0-0.5).mxd; RDW; 17-Mar-2021



Legend

SVOC Exceedances

- Does Not Exceed Residential Sreening Criteria
- Exceeds Residential Sreening Criteria

Metals Exceedances

- Does Not Exceed Residential Sreening Criteria
- Exceeds Residential Sreening Criteria

Site Boundary

FRA Fence

MSA

Excavation Limit

100 50 0 100 Feet

COPCs Remaining in Place – South of Building 88 (0.5-1 ft bgs)

Former Scott Technologies Site #808049
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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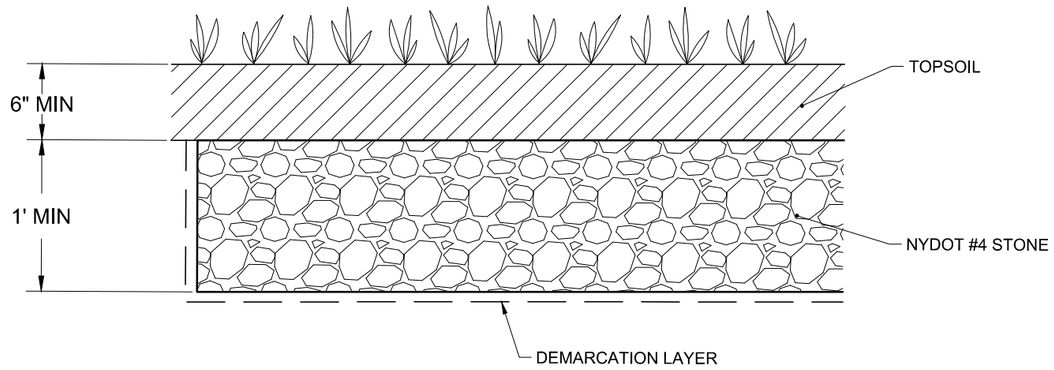
Columbia, Maryland | October 2020

Figure **7.2**

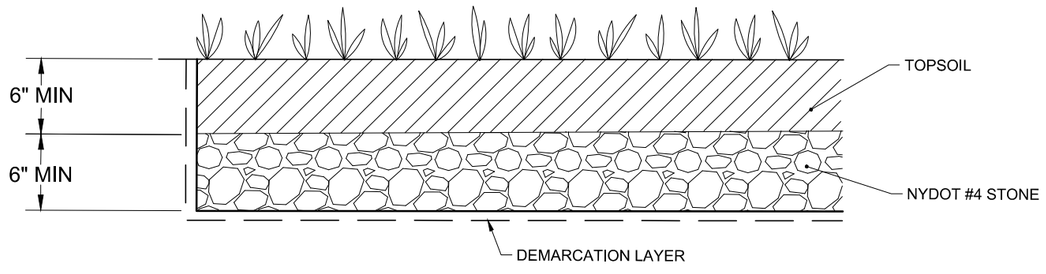
Notes and Disclaimer
Screening criteria for the Site are Residential Soil Cleanup Objectives (6 NYCRR Part 375). See text for details.
Georeferenced items may include historical site features, hand-drawn features, features that were not to scale, or features that were originally on a map that contained a different projection. Inherently, georeferencing introduces slight distortortions and inaccuracies in spatial data, but these distortions and inaccuracies may be exacerbated by the factors listed above. All reasonable efforts were made to accurately reflect the data provided.

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 01 December 2020. Image is dated 2 June 2010.
STCC - Southern Tier Commerce Center FRA - Former Recreation Area ft bgs - feet below ground surface

P:\GIS\Elmira - MW0832\Maps\STI and FRA Report\Figure 8 - COPCs Remaining in Place-South of Building 88 (0.5-1) mxd RDW - 01-Dec-2020



BACKFILL - 1 FOOT EXCAVATION



BACKFILL - 6 INCH EXCAVATION

0 1 2

SCALE IN FEET

NOTE:

1. DEMARCATION LAYER NETTING CONSISTS OF ORANGE ONE HUNDRED PERCENT (100%) CONTINUOUS MONOFILAMENT POLYPROPYLENE SPUN BOND FABRIC WITH UV INHIBITORS, SUCH AS OD5340 OR OD7525 ORIENTED NETTING BY INDUSTRIAL NETTING, POCKET NETTING FENCE BY 3T PRODUCTS, OR APPROVED EQUAL.

TYPICAL DETAILS – EXCAVATION AND BACKFILL

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DATE:	6
PROJECT NO.	MN0823C
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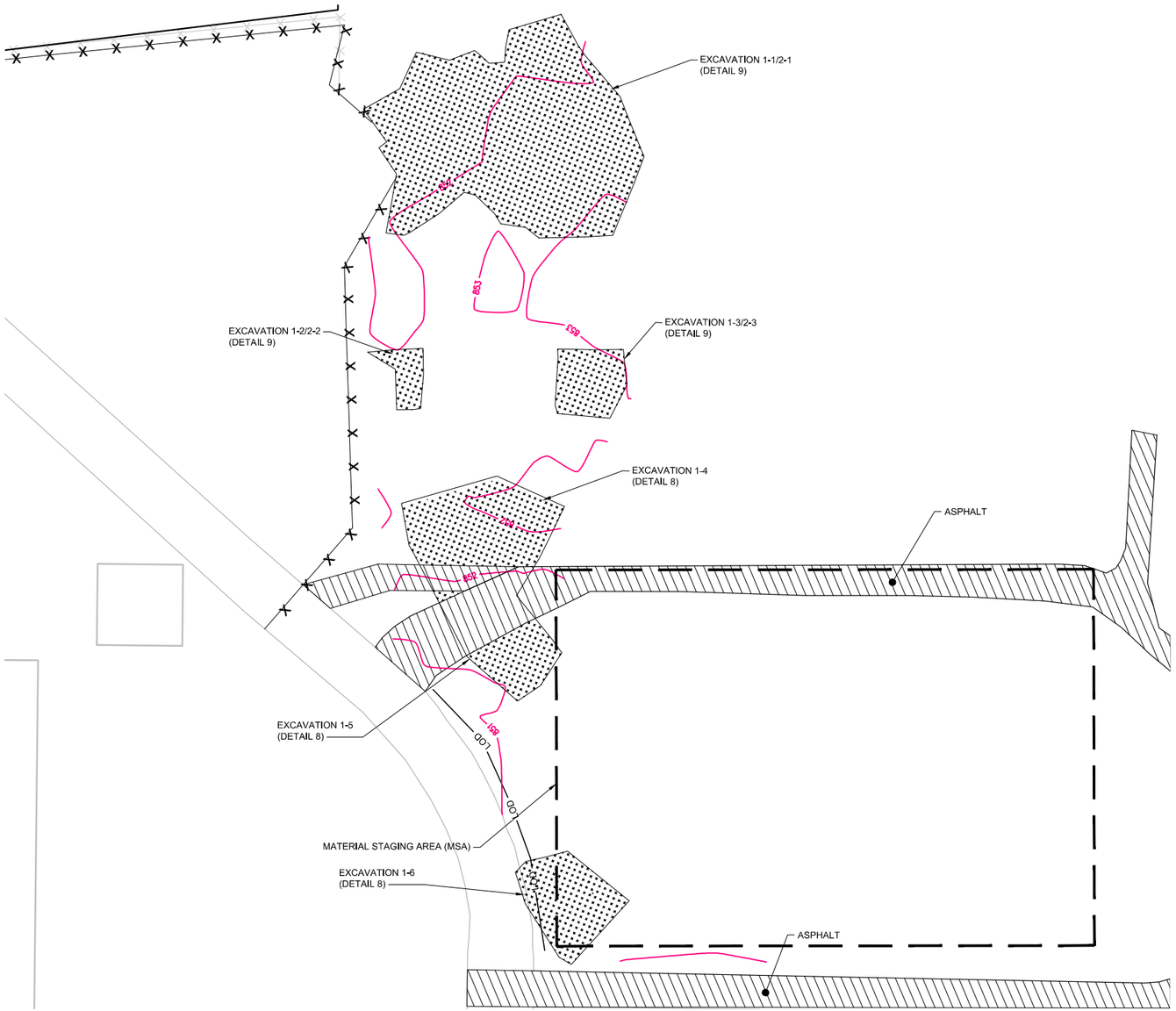
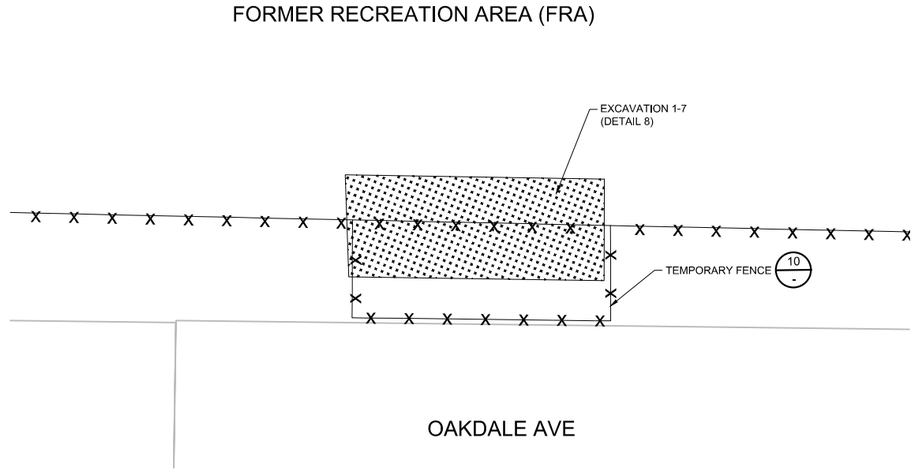
FILE NO.	MN0832CF208
FIGURE NO.	8





LEGEND

- PROPERTY LINE
- LIMIT OF EXCAVATION
- 852 — ELEVATION CONTOUR (FT MSL)
- ASPHALT
- VEGETATIVE COVER

SOIL COVER SYSTEM

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DATE:	6
PROJECT NO.	MN0823C
DOCUMENT NO.	
FILE NO.	MN0832C-204
FIGURE NO.	9

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Appendix A

Survey Map, Metes, & Bounds and Site Management Plan

Appendix B

Agency Approvals

Appendix C

Daily Field Reports

Appendix D

CAMP Data

Appendix E

As-Built Drawings

Appendix F

Letters from Disposal Facility Owners

Appendix G

Manifests and Bills of Lading

Appendix H

Analytical Reports for Post Excavation Confirmation Samples

Appendix I

Data Validation Reports for Post Excavation Confirmation Samples

Appendix J

Sieve and Proctor Test Results for Structural Backfill

Appendix K

Nuclear Density Test Results

Appendix L

Request to Import Forms and Email Approvals