

30 March 2018

Mr. Timothy Schneider
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

**Subject: Amendment #1
Interim Remedial Measure (IRM) Pre-Design Investigation
Former Sperry Remington Site (#808043)
1051 South Main Street, City of Elmira, Chemung County, NY**

Dear Mr. Schneider:

On behalf of Unisys Corporation (Unisys), Geosyntec Consultants, Inc. and its New York engineering affiliate, Beech and Bonaparte Engineering, P.C. (collectively, Geosyntec) are submitting this first amendment (Amendment #1) to the Interim Remedial Measure (IRM) Pre-Design Investigation (PDI) Work Plan for the Former Sperry Remington Site (Site #808043) (Site) in Elmira, New York. In accordance with the Order on Consent and Administrative Settlement (AOC) (Index #B8-0815-09-10) with the New York State Department of Environmental Conservation (NYSDEC or agency) approved by NYSDEC on 30 March 2010, Unisys is conducting a Remedial Investigation (RI) to determine the nature and extent of constituents of concern (COCs) that may have discharged from the Site, determining if residual sources of COCs still exist, and identifying both current and potential routes of human exposure, if any, to COCs. The objective of the IRM PDI Work Plan is to collect data needed to select and design an IRM to address potential sources for migration of COCs from historic oil skimmer #2 (OS2) to the environment. The IRM PDI Work Plan was submitted to NYSDEC on 17 October 2017 and NYSDEC gave conditional approval on 23 October 2017. Field work for the 2017 IRM PDI was conducted between 6 and 17 November 2017 and included geophysical surveys, test pitting and in-line camera surveys. Complete PDI results will be presented in the revised IRM Work Plan to be submitted following completion of PDI activities. The purpose of this amendment is to propose pre-delineation of soils surrounding soils for excavation as part of the IRM.

Soil samples were collected from test pit spoils and submitted to the fixed laboratory for analyses for polychlorinated biphenyls (PCBs), semi-volatile compounds (SVOCs), and metals in accordance with IRM PDI Work Plan and the Quality Assurance Project Plan (QAPP). PDI sample locations and historic sample locations are presented on **Figure 1**. Analytical results for soils surrounding OS2 are summarized with results from previous investigations on **Table 1** and are compared to restricted use Industrial Soil Cleanup Objectives (SCOs). Institutional controls to be considered following completion of Remedial Action may include restricted use of the Site for industrial purposes. The Site is not currently in use by STCC and is typically unoccupied.

As shown on **Table 1**, two (2) test pit composite samples had total PCB detections above the Industrial SCO of twenty-five (25) milligrams per kilogram (mg/kg). The sample collected at OS-SB-01 on the north

side of OS2 in July 2012 had a total PCB detection of forty-eight (48) mg/kg. The sample collected at TP02-02 on the east side of OS2 in November 2017 had a total PCB detection of approximately sixty-four (64) mg/kg. The latter detection exceeds the threshold for PCB remediation waste of fifty (50) mg/kg as defined in 40 CFR §761.3 (TSCA) and New York State threshold for hazardous waste containing PCBs as defined in 6 NYCRR Part 371.4 (e). Arsenic has been detected above the Industrial SCO of sixteen (16) mg/kg in composite samples collected on the east, west and south sides of OS2 in August 2011 and November 2017. Potential soil cover from zero to one (0-1) feet below ground surface (ft bgs) has not been characterized for PCBs or arsenic.

The following section presents a scope of work for delineation of COCs in soils surrounding OS2 for potential excavation as part of the IRM.

PROPOSED SCOPE OF WORK

Delineation of COCs in Soils

Soils surrounding OS2 will be sampled to pre-delineate excavation as part of the IRM and to characterize soil cover from 0-1 ft bgs. The extent of the proposed excavation will be limited by property boundaries and existing subsurface infrastructure beyond OS2 as shown on **Figure 1**. The IRM will be conducted on STCC property. Soils on the EHS property will be addressed by a separate IRM for the Former Sperry Remington Site – North Portion (NYSDEC #c808022) to be conducted in Spring/Summer 2018. The IRM will not extend beyond the Site Culvert to the south and the storm sewer connection from EHS to the west. The excavation will also avoid the natural gas line running west from the gas house (**Figure 1**).

Proposed soil sample locations are presented on **Figure 1** and **Table 2**. Soil samples will be collected using direct push technology (DPT) or hand augering (where necessary) in accordance with the RI Work Plan Quality Assurance Project Plan (QAPP). Sampling intervals for each soil boring location are presented in **Table 2**. Soil sampling to characterize the first one (1) foot of soil cover will be conducted by collection of a composite shallow soil sample from zero to one (0-1) ft bgs. Soil samples will be submitted to a fixed laboratory for PCB and metals analyses with standard ten (10) day turnaround time (TAT) in accordance with the QAPP. Soil sampling of subsurface soils to pre-delineate the excavation below one (1) foot bgs will be conducted by collection of composite samples from one to two (1-2) ft bgs and then over two-foot (2 ft) intervals to a depth of twelve (12) ft bgs or the water table, whichever is encountered first. Soil samples will be submitted to a fixed laboratory for PCB analyses with standard ten (10) day TAT in accordance with the QAPP. As presented on **Table 2**, select samples will be held for PCB analysis. Upon receipt of un-validated analytical results, Unisys will identify samples that will be released for analyses.

QUALITY ASSURANCE

Sample handling, including sample custody and sample control, will be conducted in accordance with the QAPP. Quality control samples, including field duplicates, matrix spike/matrix spike duplicates and equipment blanks, will be collected at the frequency specified in the QAPP.

HEALTH AND SAFETY

A Site-specific Health and Safety Plan (HASP) was prepared for RI and previous PDI activities. Each contractor will be required to prepare a project-specific HASP in accordance with DER-10 to be followed during implementation of the field program.

IDM MANAGEMENT

Solid investigation-derived material (IDM) that will be generated may include disposable personal protection equipment (PPE), disposable sampling equipment, and excavated material. Liquid IDM that will be generated will consist of water generated during decontamination of field equipment, development water, and purge water. Solid and liquid IDM will be stored in on-site fifty-five (55) gallon drums for waste characterization (if necessary) and appropriate off-site disposal in accordance with the QAPP.

SCHEDULE AND DELIVERABLES

Unisys will commence IRM PDI addendum activities upon written notice to proceed from NYSDEC. Completion of the work will be dependent on weather conditions and access. Geosyntec and a utility locating contractor will mobilize to the Site, weather permitting, within two (2) weeks of notice to proceed to mark out and clear boring locations for subsurface utilities and structures. Soil sampling will commence following utility clearance and is anticipated to be completed in two (2) days. The schedule may be adjusted to coordinate with IRM activities for the Former Sperry Remington Site – North Portion (NYSDEC #c808022) planned for spring/summer 2018.

Unisys will provide NYSDEC with unvalidated laboratory analytical reports in monthly progress reports following receipt from the laboratory. Data validation will begin upon receipt of all analytical data packages.

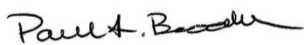
Validated soil analytical results will be submitted with the monthly progress following completion of data validation and presented in the IRM Work Plan.

CLOSING

Geosyntec appreciates the opportunity to submit this work plan to the NYSDEC, NYSDOH and. If you have any questions, please contact Mr. Kevin Krueger of Unisys at (651)212-7273.

Sincerely,

Geosyntec Consultants, Inc.



Paul Brookner, P.G.
Principal/Project Director
Geosyntec Consultants, Inc.

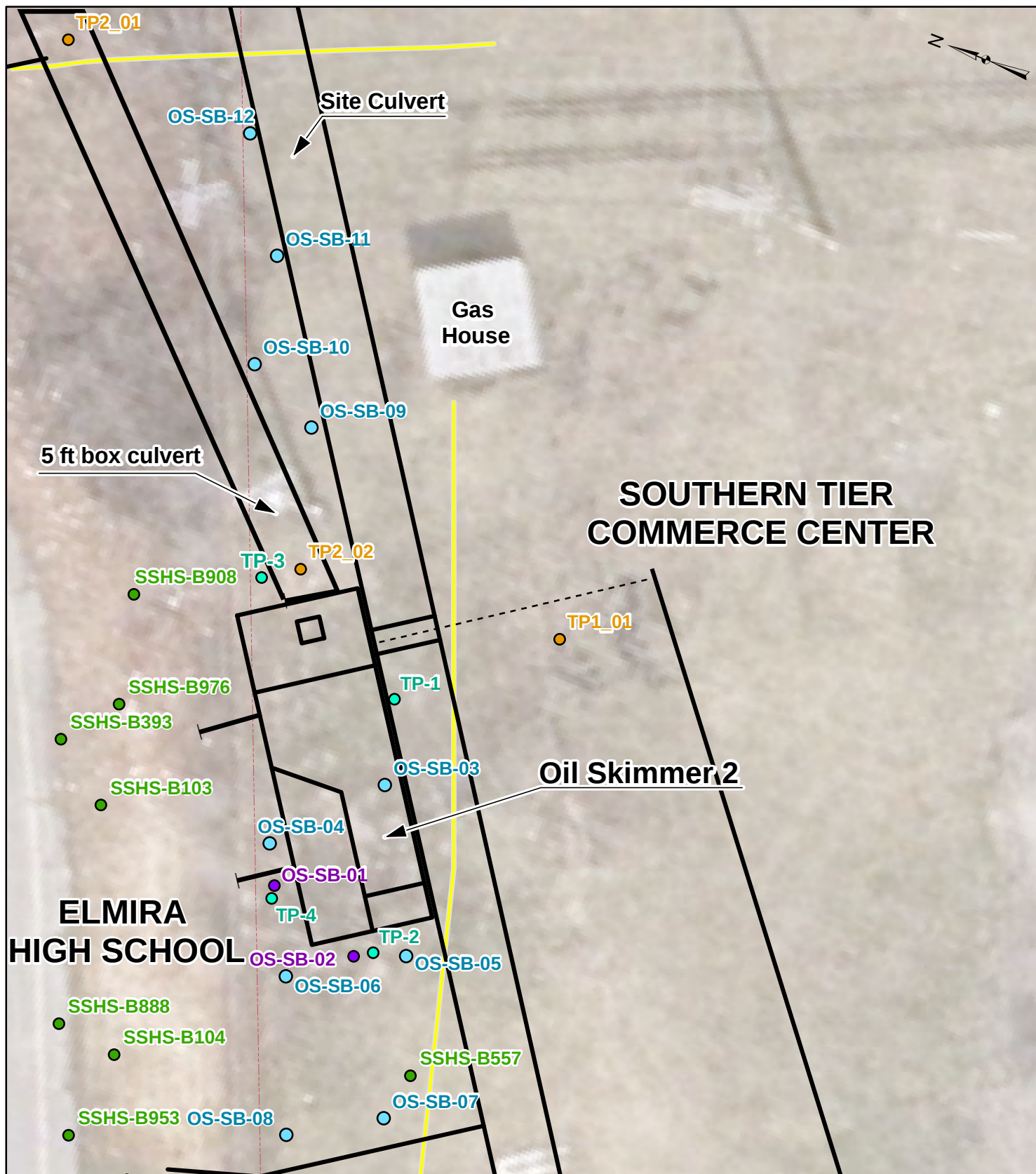


Aron Krasnopoler, Ph.D., P.E.
Project Engineer/Project Manager
Beech and Bonaparte Engineering P.C.

Attachments: Figure 1 – Proposed Soil Sample Locations
Table 1 – Summary of Soil Analytical Results
Table 2 – Summary of Proposed Soil Sampling

Copies to:	Bernette Schilling, NYSDEC	Kevin Krueger, Unisys
	Ben Conlon, NYSDEC	Michael G. Murphy, Beveridge & Diamond
	Michael Cruden, NYSDEC	Adam Meinstein– STCC
	Dawn Hettrick, NYSDOH	Kevin Murphy – Wladis Law Firm

FIGURES



Legend

- Proposed 2018 Boring
- 2017 Test Pit Samples
- C808022-Site Characterization
- Phase 1 RI Sample Location
- IRM PDI Sample Location
- Natural Gas Line
- Known Structures/Connections
- Inferred Connections
- Property Boundary

0 16 Feet

Proposed Sampling Locations

Former Sperry Remington Site (#808043)
Elmira, New York

Geosyntec
consultants

Columbia, MD

March 2018

Figure

1

TABLES

Table 1
Summary of Soil Analytical Results
Former Sperry Remington Site (#808043)
Elmira, New York

						Location		STCC															
						Sample Date	TP-1	TP-2	TP-3	TP-4	OS-S8-01	OS-S8-02	SSHS-B557	SSHS-B557	SSHS-B557	SSHS-B557	SSHS-B557	SSHS-B557	TP01-01	TP02-02			
						Depth Interval (ft bgs)	8/24/2011	8/24/2011	8/24/2011	8/24/2011	7/27/2012	7/30/2012	9/7/2016	9/7/2016	9/7/2016	9/7/2016	9/7/2016	9/7/2016	11/9/2017	11/8/2017			
							3.5-4	12-12.5	9-9.5	6.5-7	0-11.5	0-9.5							0-8	0-8			
						Soil Cleanup Objective (SCO)																	
								NYS Hazardous Waste															
Analytical Group	Constituent of Concern	Units	EQL	Industrial	Restricted - Residential																		
Polychlorinated Biphenyls	Arochlor 1016	mg/kg	0.00021				<0U	<0U	<0U	<0U	-	-	<0.0041U	<0.00022U	<0.00021U	<0.001U	<0.001U	<0.00022U,F2,F1	<0.001U	<0.0065U	<0.12U		
	Arochlor 1221	mg/kg	0.00034				<0U	<0U	<0U	<0U	-	-	<0.0064U	<0.00035U	<0.00034U	<0.0016U	<0.0016U	<0.00034U	<0.0016U	<0.013U	<0.24U		
	Arochlor 1232	mg/kg	0.00012				<0U	<0U	<0U	<0U	-	-	<0.0022U	<0.00012U	<0.00012U	<0.00056U	<0.00056U	<0.00012U	<0.00056U	<0.012U	<0.22U		
	Arochlor 1242	mg/kg	0.00017				<0U	<0U	<0U	<0U	-	-	<0.0033U	<0.00018U	<0.00017U	<0.00083U	<0.00083U	<0.00018U	<0.00083U	<0.012U	<0.22U		
	Arochlor 1248	mg/kg	0.00011				7.7	0.96	0.058	0.15	-	-	1.1J	0.00024J	0.0098J	0.28J	0.25J	<0.00011U	0.28J	3.6J	41J		
	Arochlor 1254	mg/kg	0.00018				<0U	<0U	<0U	0.15	-	-	0.72J	<0.00018U	0.0073J	0.25J	0.17J	<0.00018U	0.22J	2.1J	19J		
	Arochlor 1260	mg/kg	0.00016				<0U	<0U	<0U	<0U	-	-	0.13J	<0.00016U	0.0015J	0.055J	0.028J	<0.00016U,F2,F1	0.11J	0.38J	3.6J		
	Arochlor 1268	mg/kg	0.000087				<0U	<0U	<0U	<0U	-	-	<0.0017U	<0.000089U	<0.000087U	<0.00042U	<0.00042U	<0.000089U	<0.00042U	<0.0097U	<0.18U		
	Arochlor 1262	mg/kg	0.00014				<0U	<0U	<0U	<0U	-	-	<0.0028U	<0.00015U	<0.00014U	<0.00069U	<0.0007U	<0.00015U	<0.0007U	<0.014U	<0.26U		
	Total PCBs	mg/kg		25	1	50	7.7	0.96	0.058	0.3	48	18.2	1.96	0.0009645	0.01913	0.5876	0.4506	<0.001549	0.6126	6.114	64.22		
Metals	Arsenic	mg/kg	0.39	16	16	27	140	330J	11	-	-	39	4.5	-	25	18	5.9	9.7	160	17			
	Barium	mg/kg	7.9	10000	400	130J	250J	240J	77J	-	-	110	41	-	120	80	91	59	360	270			
	Beryllium	mg/kg	0.16	2700	72	0.47	0.52	0.92	<0U	-	-	0.25	0.12J	-	0.25	0.23	0.29	0.15J	0.41J	0.43			
	Cadmium	mg/kg	0.044	60	4.3	0.91J	1J	0.55J	0.18J	-	-	<0.058U	<0.064U	-	0.3	0.092J	0.068J	0.069J	<0.044U	0.34J			
	Chromium (III+VI)	mg/kg	0.2	800	110	11	16	26J	7.5	-	-	14	8.6	-	30	14	14	11	12	19			
	Copper	mg/kg	0.99	10000	270	51J	81J	68J	20J	-	-	40	14	-	240J	42	22	37	50	97			
	Lead	mg/kg	0.39	3900	400	65	41	110J	8.1	-	-	45	5.2	-	99	26	9.6	21	700	170			
	Manganese	mg/kg	0.59	10000	2000	100J	79J	34J	130J	-	-	150	84	-	190	250	290	160	110	430			
	Mercury	mg/kg	0.013	5.7	0.81	0.7J	0.047J	1.7J	0.16J	-	-	0.14	0.0091J	-	0.21	0.039	0.013J	0.05	0.27	0.41J			
	Nickel	mg/kg	1.6	10000	310	33	20	31J	8.1	-	-	21	9	-	74	25	16	15	25	81			
	Selenium	mg/kg	0.39	6800	180	2.7	5.6	4.3J	1.2J	-	-	3.1	0.63	-	2	1.2	0.51J	0.83	4.5	0.9J			
	Silver	mg/kg	0.066	6800	180	<0U	<0U	0.48J	<0U	-	-	<0.086U	<0.094U	-	0.16J	<0.086U	<0.089U	<0.066U	0.18J	<0.11U			
	Zinc	mg/kg	0.79	10000	10000	61J	40J	36J	27J	-	-	41	33	-	90	50	56	34	26	130			
SVOCs	1,4-dichlorobenzene	mg/kg	0.027	250	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	1,4-Dioxane	mg/kg	0.0022	250	13	-	-	-	-	-	-	-	-	-	<0.0041U	<0.0041U	<0.0022U	-	<0.06U	<0.11U			
	2-methylphenol	mg/kg	0.0013	1000	100	<0U	<0U	<0U	<0U	-	-	-	-	-	<0.0025U	<0.0025U	<0.0013U	-	<0.035U	<0.066U			
	3-&4-methylphenol	mg/kg	0.37		100	<0U	<0U	<0U	<0U	-	-	-	-	-	-	-	-	-	-	-			
	4-methylphenol	mg/kg	0.0019	1000	100	-	-	-	-	-	-	-	-	-	<0.0035U	<0.0035U	<0.0019U	-	<0.035U	<0.066U			
	Acenaphthene	mg/kg	0.00036	1000	100	<0U	<0U	<0U	<0U	-	-	-	-	-	0.011	0.0068J	<0.00036U	-	<0.027U	<0.05U			
	Acenaphthylene	mg/kg	0.00043	1000	100	<0U	<0U	<0U	<0U	-	-	-	-	-	<0.00082U	<0.00082U	<0.00043U	-	<0.027U	0.077J			
	Anthracene	mg/kg	0.00037	1000	100	<0U	<0U	<0U	<0U	-	-	-	-	-	0.015J	0.0043J	<0.00037U	-	<0.03U	0.073J			
	Benz(a)anthracene	mg/kg	0.00048	11	1	0.18	<0U	<0U	<0U	<0U	-	-	-	-	0.061J	0.024	<0.00048U	-	0.076J	0.29			
	Benzo(a) pyrene	mg/kg	0.00038	1.1	1	0.11	<0U	<0U	<0U	<0U	-	-	-	-	0.052J	0.018	<0.00038U	-	0.042J	0.25			
	Benzo(b)fluoranthene	mg/kg	0.0006	11	1	0.15	<0U	<0U	<0U	<0U	-	-	-	-	0.075J	0.026	<0.0006U	-	0.082	0.39			
	Benzo(g,h,i)perylene	mg/kg	0.00038	1000	100	0.1	<0U	<0U	<0U	<0U	-	-	-	-	0.052J	0.021	<0.00038U	-	<0.035U	0.25			
	Benzo(k)fluoranthene	mg/kg	0.00077	110	3.9	<0U	<0U	<0U	<0U	<0U	-	-	-	-	0.022J	0.01	<0.00077U	-	<0.028U	0.11J			
	Chrysene	mg/kg	0.00045	110	3.9	0.34	<0U	<0U	<0U	<0U	-	-	-	-	0.1J	0.041	<0.00045U	-	0.22	0.45			
	Dibenz(a,h)anthracene	mg/kg	0.00042	1.1	0.33	<0U	<0U	<0U	<0U	<0U	-	-	-	-	0.018J	0.0066J	<0.00042U	-	<0.033U	<0.062U			
	Dibenzofuran	mg/kg	0.0019	1000	59	0.16J	<0U	<0U	<0U	<0U	-	-	-	-	0.078J	0.041	<0.0019U	-	0.2J	0.33J			
	Fluoranthene	mg/kg	0.00041	1000	100	0.28	0.021J	0.056J	<0U	<0U	-	-	-	-	0.084J	0.027	<0.00041U	-	0.13	0.5			
	Fluorene	mg/kg	0.0005	1000	100	<0U	<0U	<0U	<0U	<0U	-	-	-	-	0.012	0.0078	<0.0005U	-	<0.029U	<0.053U			
	Hexachlorobenzene	mg/kg	0.0004	12	1.2	<0U	<0U	<0U	<0U	<0U	-	-	-	-	<0.00076U	<0.00077U	<0.0004U	-	<0.032U	<0.06U			
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.00039	11	0.5	0.06J	<0U	<0U	<0U	<0U	-	-	-	-	0.043J	0.014	<0.00039U	-	<0.031U	0.2			
	Naphthalene	mg/kg	0.00033	1000	100	0.3	0.034J	0.027J	0.049J	<0U	-	-	-	-	-	0.21J	0.12	<0.00033U	-	0.37	0.95J		
	Pentachlorophenol	mg/kg	0.0017	55	6.7	<0U	<0U	<0U	<0U	<0U	-	-	-	-	-	<0.0032U	<0.0032U	<0.0017U	-	<0.76U	<1.4U		
	Phenanthrene	mg/kg	0.0006	1000	100	0.7	0.1	0.085J	<0U	<0U	-	-	-	-	-	0.22J	0.096	<0.0006U	-	0.54	0.68		
	Phenol	mg/kg	0.00045	1000	100	<0U	<0U	<0U	<0U	<0U	-	-	-	-	<0.00085U	<0.00085U	<0.00045U	-	<0.054U	<0.1U			
	Pyrene	mg/kg	0.00038	1000	100	0.18	0.023J	0.039J	<0U	<0U	-	-	-	-	-	0.086J	0.029	<0.00038U	-	0.12	0.44		

Notes:

J - estimated value

U - non-detect

- - not analyzed

mg/kg - milligram per kilogram

ft bgs - feet below ground surface

PCBs - polychlorinated biphenyls

SVOCs - Semi-volatile Organic Compounds

Concentrations detected above restricted use Soil Cleanup Objectives (SCOs) presented in 6 NYCRR Subpart 375 are presented in light grey.

Restricted use for Southern Tier Commerce Center (STCC) is Industrial. Restricted use for Elmira High School (EHS) is Restricted-Residential.

Total PCB concentrations detected above New York State hazardous waste threshold [6 NYCRR Part 371.4 (e)] are presented in dark grey

Table 1
Summary of Soil Analytical Results
Former Sperry Remington Site (#808043)
Elmira, New York

					EHS																							
Location					TP02-01	SSHS-B103	SSHS-B103	SSHS-B103	SSHS-B103	SSHS-B104	SSHS-B104	SSHS-B104	SSHS-B104	SSHS-B104	SSHS-B393	SSHS-B888	SSHS-B888	SSHS-B888	SSHS-B888	SSHS-B888	SSHS-B908	SSHS-B908	SSHS-B908	SSHS-B908	SSHS-B953	SSHS-B953	SSHS-B953	SSHS-B976
Sample Date					11/8/2017	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	7/22/2015	3/10/2016	1/22/2018	1/22/2018	1/22/2018	1/22/2018	1/22/2018	1/22/2018	1/22/2018	1/22/2018	1/22/2018	3/4/2018	3/4/2018	3/4/2018	3/4/2018
Depth Interval (ft bgs)					0-8	0-2	2-4	4-6	6-8	0-2	2-4	4-6	6-8	8-10	0-2	10-12	12-14	2-4	8-10	0-2	2-4	4-6	12-14	2-4	8-10	6-8		
Soil Cleanup Objective (SCO)																												
Analytical Group	Constituent of Concern	Units	EQL	NYS Hazardous Waste																								
				Industrial	Restricted - Residential																							
Polychlorinated Biphenyls	Arochlor 1016	mg/kg	0.00021			<0.0061U	<0.039U	<0.19U	<0.04U	<0.0039U	<0.2U	<0.37U	<0.039U	<0.0039U	<0.0082U	<0.061U	<0.063U	<0.0067U	<0.065UJ	<0.0061U	<0.07U	<0.0061U	<0.0068U	<0.0062U	<0.031U,F1	<0.006U	<0.031U	
	Arochlor 1221	mg/kg	0.00034			<0.012U	<0.048U	<0.23U	<0.049U	<0.0048U	<0.24U	<0.46U	<0.048U	<0.0048U	<0.013U	<0.12U	<0.13U	<0.013U	<0.13UJ	<0.012U	<0.14U	<0.012U	<0.013U	<0.012U	<0.061U	<0.012U	<0.062U	
	Arochlor 1232	mg/kg	0.00012			<0.011U	<0.066U	<0.32U	<0.068U	<0.0066U	<0.33U	<0.63U	<0.066U	<0.0066U	<0.0045U	<0.11U	<0.11U	<0.012U	<0.12UJ	<0.011U	<0.13U	<0.011U	<0.012U	<0.011U	<0.056U	<0.011U	<0.057U	
	Arochlor 1242	mg/kg	0.00017			<0.011U	<0.048U	<0.24U	<0.05U	<0.0048U	<0.24U	<0.46U	<0.049U	<0.0048U	<0.0066U	<0.11U	<0.12U	<0.012U	<0.12UJ	<0.011U	<0.13U	<0.011U	<0.012U	<0.011U	<0.056U	<0.011U	<0.057U	
	Arochlor 1248	mg/kg	0.00011			3.8J	29J	270J	23J	0.011J	66J	110J	33J	0.031	1.9J	10J	11J	2.3	35J	2.2J	3.6J	2.8J	0.55J	0.42	6.1	4.6	8.6	
	Arochlor 1254	mg/kg	0.00018			2.3J	9.5J	95J	8.7J	<0.0045U	24J	36J	14J	<0.0045U	0.58J	3.9J	4J	0.75	12J	0.71J	2J	1J	0.26J	0.17	1.9	1.3	3.1	
	Arochlor 1260	mg/kg	0.00016			0.42J	1.2J	12J	1.1J	<0.0042U	2.6J	4.8J	2.2J	<0.0042U	0.13J	0.62J	0.58J	0.1	2.7J	0.092J	0.37J	0.11J	0.031J	<0.0054U	0.29F1	0.23	0.5	
	Arochlor 1268	mg/kg	0.000087			<0.0091U	<0.039U	<0.19U	<0.04U	<0.0038U	<0.19U	<0.37U	<0.039U	<0.0038U	<0.0033U	<0.091U	<0.094U	<0.01U	<0.097UJ	<0.0091U	<0.1U	<0.0091U	<0.01U	<0.0092U	<0.046U	<0.009U	<0.046U	
	Arochlor 1262	mg/kg	0.00014			<0.013U	<0.071U	<0.34U	<0.073U	<0.007U	<0.36U	<0.68U	<0.071U	<0.007U	<0.0056U	<0.13U	<0.14U	<0.014U	<0.14UJ	<0.013U	<0.15U	<0.013U	<0.015U	<0.013U	<0.066U	<0.013U	<0.067U	
	Total PCBs	mg/kg		25	1	50	6.55J	39.7	377	32.8	0.011	92.6	150.8	49.2	0.031	2.61	14.83	15.91	3.184	50.04	3.033	6.33	3.941	0.8754	0.6239	8.448	6.161	12.36
Metals	Arsenic	mg/kg	0.39	16	16	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Barium	mg/kg	7.9	10000	400	290J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Beryllium	mg/kg	0.16	2700	72	0.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Cadmium	mg/kg	0.044	60	4.3	0.39J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Chromium (III+VI)	mg/kg	0.2	800	110	24J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Copper	mg/kg	0.99	10000	270	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Lead	mg/kg	0.39	3900	400	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Manganese	mg/kg	0.59	10000	2000	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Mercury	mg/kg	0.013	5.7	0.81	0.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Nickel	mg/kg	1.6	10000	310	150J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Selenium	mg/kg	0.39	6800	180	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Silver	mg/kg	0.066	6800	180	<0.12U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Zinc	mg/kg	0.79	10000	10000	180J-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SVOCs	1,4-dichlorobenzene	mg/kg	0.027	250	13	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.027U	-	-	-	-	-	-	-	-	
	1,4-Dioxane	mg/kg	0.0022	250	13	<0.056U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2-methylphenol	mg/kg	0.0013	1000	100	<0.033U	-	-	-	-	-	-	-	-	-	-	-	-	<0.035U	-	-	-	-	-	-	-	-	
	3-&4-methylphenol	mg/kg	0.37		100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4-methylphenol	mg/kg	0.0019	1000	100	<0.033U	-	-	-	-	-	-	-	-	-	-	-	-	<0.035U	-	-	-	-	-	-	-	-	
	Acenaphthene	mg/kg	0.00036	1000	100	0.057J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Acenaphthylene	mg/kg	0.00043	1000	100	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Anthracene	mg/kg	0.00037	1000	100	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Benz(a)anthracene	mg/kg	0.00048	11	1	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Benzo(a) pyrene	mg/kg	0.00038	1.1	1	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Benzo(b)fluoranthene	mg/kg	0.0006	11	1	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Benzo(g,h,i)perylene	mg/kg	0.00038	1000	100	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Benzo(k)fluoranthene	mg/kg	0.00077	110	3.9	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Chrysene	mg/kg	0.00045	110	3.9	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dibenz(a,h)anthracene	mg/kg	0.00042	1.1	0.33	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Dibenzofuran	mg/kg	0.0019	1000	59	0.14J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Fluoranthene	mg/kg	0.00041	1000	100	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Fluorene	mg/kg	0.0005	1000	100	0.048J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Hexachlorobenzene	mg/kg	0.0004	12	1.2	<0.03U	-	-	-	-	-	-	-	-	-	-	-	-	<0.032U	-	-	-	-	-	-	-	-	
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.00039	11	0.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Naphthalene	mg/kg	0.00033	1000	100	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Pentachlorophenol	mg/kg	0.0017	55	6.7	<0.71U	-	-	-	-	-	-	-	-	-	-	-	-	<0.75U	-	-	-	-	-	-	-	-	
	Phenanthrene	mg/kg	0.0006	1000	100	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Phenol	mg/kg	0.00045	1000	100	<0.05U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Pyrene	mg/kg	0.00038	1000	100	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
J - estimated value
U - non-detect
- - not analyzed
mg/kg - milligram per kilogram
ft bgs - feet below ground surface
PCBs - polychlorinated biphenyls
SVOCs - Semi-volatile Organic Compounds
Concentrations detected above restricted use Soil Cleanup Objectives (SCOs) presented in 6 NYCRR Subpart 375 are presented in light grey.
Restricted use for Southern Tier Commerce Center (STCC) is Industrial. Restricted use for Elmira High School (EHS) is Restricted-Residential.
Total PCB concentrations detected above New York State hazardous waste threshold (6 NYCRR Part 371.4 (e)) are presented in dark grey

Table 2
Summary of Proposed Soil Sampling
Former Sperry Remington Site (#808043)
Elmira, New York

Location	Depth (ft)	Sampling Interval						
		0-1 ft bgs	1-2 ft bgs	2-4 ft bgs	4-6 ft bgs	6-8 ft bgs	8-10 ft bgs	10-12 ft bgs
OS-SB-03	2	PCBs, M	PCBs	N/A	N/A	N/A	N/A	N/A
OS-SB-04	12	PCBs, M	PCBs	PCBs	PCBs	PCBs	PCBs	PCBs
OS-SB-05	12	PCBs, M	PCBs	PCBs	PCBs	PCBs	PCBs	PCBs
OS-SB-06	12	PCBs, M	PCBs	PCBs	PCBs	PCBs	PCBs	PCBs
OS-SB-07	12	PCBs, M	PCBs	PCBs	PCBs	PCBs	PCBs	PCBs
OS-SB-08	12	PCBs, M	PCBs	PCBs	PCBs	PCBs	PCBs	PCBs
OS-SB-09	12	PCBs, M	PCBs	PCBs	PCBs	PCBs	PCBs	PCBs
OS-SB-10	12	PCBs, M	PCBs	PCBs	PCBs	PCBs	PCBs	PCBs
OS-SB-11	12	PCBs, M	H	H	H	H	H	H
OS-SB-12	12	PCBs, M	H	H	H	H	H	H

Notes:

ft - feet

ft bgs - feet below ground surface

PCBs - polychlorinated biphenyls analysis

M - metals analysis

H -hold for PCB analysis

N/A not applicable