AFCEE
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Seneca Army
Depot Activity
Romulus NY

COMPLETION REPORT
BUILDING CLEANING AND BUILDING DEMOLITION
SENECA ARMY DEPOT ACTIVITY

DRAFT
FINAL

PARSONS

NOVEMBER
2008

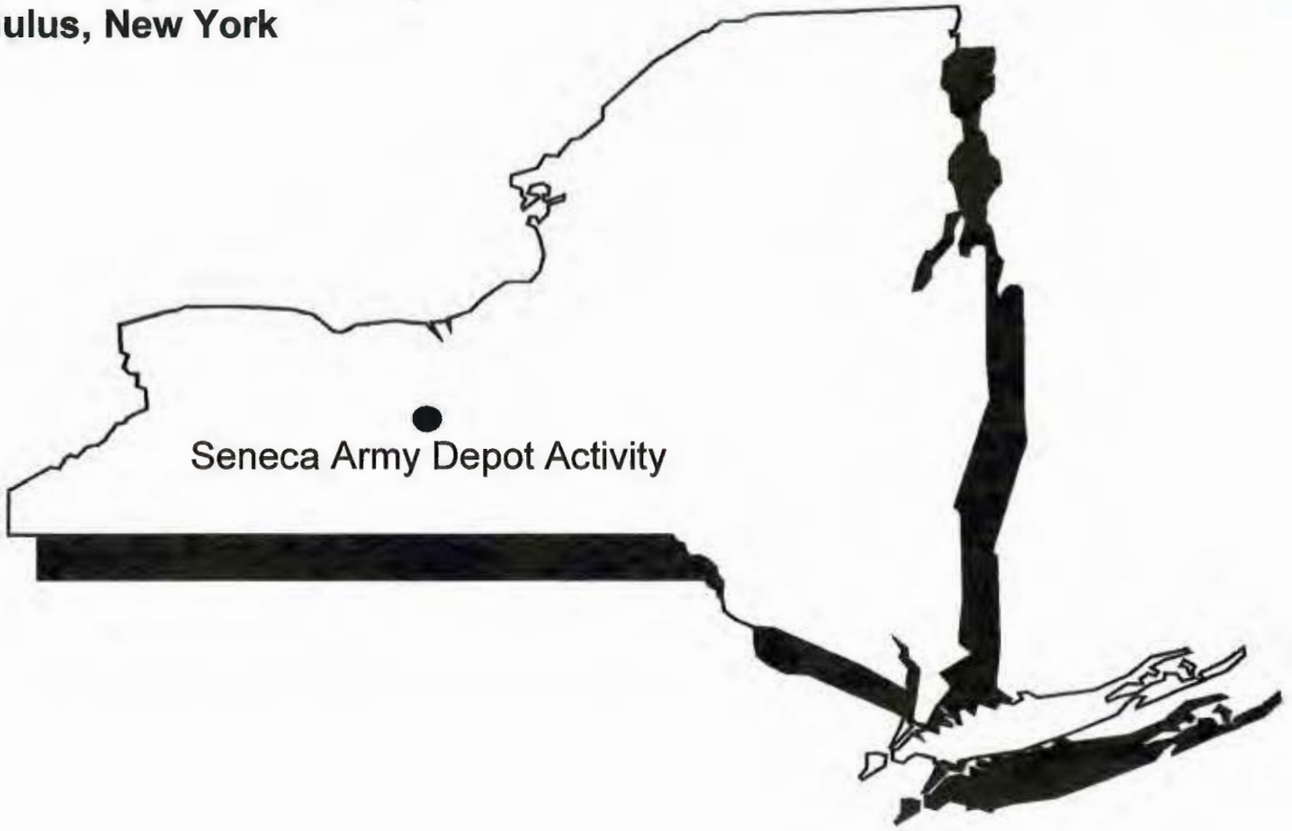
US Army Corps of Engineers

Air Force Center for Engineering and the Environment

00822

CD189

Seneca Army Depot Activity
Romulus, New York



DRAFT FINAL COMPLETION REPORT FOR BUILDING CLEANING AND BUILDING DEMOLITION

SENECA ARMY DEPOT ACTIVITY

AFCEE CONTRACT NO. FA8903-04-D-8675
TASK ORDER NO. 0031
CDRL A001D
EPA SITE ID# NY0213820830
NY SITE ID# 8-50-006

PARSONS
NOVEMBER 2008

DRAFT FINAL

COMPLETION REPORT

FOR BUILDING CLEANING AND BUILDING DEMOLITION

SENECA ARMY DEPOT ACTIVITY, ROMULUS, NEW YORK

Prepared for:

AIR FORCE CENTER FOR ENGINEERING AND THE ENVIRONMENT
BROOKS CITY-BASE, TEXAS

and

SENECA ARMY DEPOT ACTIVITY
ROMULUS, NEW YORK

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Contract Number FA8903-04-D-8675
Task Order No. 0031
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November 2008

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1.0 INTRODUCTION

This report describes and summarizes the building demolition activities that were performed at the Seneca Army Depot Activity (SEDA or the Depot) in Seneca County New York during 2007 by Parsons Infrastructure & Technology Group Inc (Parsons). This report also describes and presents the results of building cleaning and confirmational sampling operations that were performed in several abandoned buildings located in SEAD-4, the Ammunition Washout Facility, where polychlorinated biphenyls and other hazardous substances were found at concentrations sufficient to pose potential human health risks to current or future owners or occupants. Building demolition and building cleaning operations activities completed were conducted under Contract FA8903-04-D-8675 Task Orders 26 and 31, issued by the Air Force Center for Engineering and the Environment (AFCEE) on behalf of the United States Army, Corps of Engineers.

Demolition work performed under the Contract included the demolition of unused, abandoned buildings that were present at the SEDA. The work was necessitated because the buildings and structures had become a safety hazard for potential current or future occupants and reusers of land within the Depot. Buildings and other structures selected for demolition were located within varying portions of the Depot, and some were located within historic solid waste management units (SWMUs) that are, or were, subject to investigation and other potential actions that required under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (CERCLA), 42 U.S.C. Section 9601, et seq. and the National Oil and Hazardous. **Table 1-1** presents the list of buildings and structures that were demolished as part of the demolition work performed at the Depot and provides information of where the buildings or structures were previously located. **Figure 1-1** shows the former locations of the demolished buildings.

2.0 BUILDING DEMOLITION

2.1 Scope of Demolition Activity

Demolition activities were conducted and completed to achieve Remedy in Place (RIP) for various unsafe, abandoned buildings and structures on the SEDA property.

The Clean Air Act (CAA) Section 112 required the establishment of National Emission Standards for Hazardous Air Pollutants (NESHAP), and these were promulgated under Title 40 Code of Federal Regulations (CFR) Part 61. The standards promulgated for demolition and renovation projects are listed in Subpart 40 CFR 61.145.

Prior to initiating the demolition work, Parsons performed an asbestos survey all targeted buildings and structures between June 28 and August 29, 2006. The survey and material sampling were performed by Mr. Dan Douglass of Parsons, an Asbestos Inspector certified by the New York State Department of Labor (NYSDOL) and the U.S. Environmental Protection Agency (USEPA). The survey at the Depot was completed in accordance with federal regulations and conforms to sampling protocols detailed in the Asbestos Hazard Emergency Response Act (AHERA). Compliance with sate asbestos regulations (i.e., New York State Industrial Code Rule 56) was not required, as SEDA is a federal facility. The asbestos survey report was used as the basis for Parsons' subsequent preparation and submittal of the USEPA's NESHAP 10-day notification. A copy of the asbestos survey report is attached as **Appendix A** to this document.

Parsons also performed a pre-demolition utilities survey of all of the buildings and structures planned for demolition. Utility service (i.e., electric, gas, telephone, water and sewer service) disconnects previously performed were re-verified and all overhead lines in the proposed work areas were confirmed to be de-energized prior to the initiation of any demolition work.

The pre-demolition inspection also focused on identifying locations of mercury vapor lights, mercury containing switches, and estimating the quantity of fluorescent light tubes and assessing whether fluorescent light fixture ballasts contained polychlorinated biphenyls (PCBs). Identified fluorescent light tubes, mercury vapor lights, and mercury thermostats were removed prior to the demolition of each of the buildings and structures. These materials were separated and either placed in storage for subsequent disposal by the Army (fluorescent lights) or disposed off-site (mercury vapor lights and mercury contain thermostats). Ballasts from the fluorescent light fixtures identified during the demolition work were determined not to contain PCBs.

Some of the historic piping and tanks found in Buildings 311, 2074, and 2075 were suspected to contain explosive residues, based on discussions with the Army, and observations made during pre-demolition building inspections. These features were removed from the buildings prior to the initiation of demolition operations at these locations and transported to the Open Burning Grounds at the Depot where they were thermally treated in accordance with the UXO regulations for the site.

Water identified in building basements and sumps was pumped into a frac tank where it was accumulated prior to testing and off-site disposal at the Seneca County Wastewater Authority.

Friable asbestos material was removed and transported off-site for disposal prior to the initiation of demolition work. Non-friable Category I material defined as asbestos containing packings, gaskets, resilient floor covering, and asphalt roofing product material was left in place, and wrecked with the building. Non-friable Category II transite material found on the walls and roofs of several buildings (i.e., Buildings 311, 340, 349, 2075 and 2079) was removed with the demolition process since the buildings were determined to be structurally unsound prohibiting safe entry and manual removal of the material. During this process perimeter air monitoring was conducted to verify that asbestos material was not released from the demolition site.

Structures found to have lead contamination were demolished in accordance with regulations in 29 CFR Part 192.62.

Excavators equipped with buckets, grapples, shears and hydraulic hammers were used to demolish the buildings and structures at the Depot. Dust control was maintained throughout the process by using a water mist that was applied as necessary.

The buildings were either demolished to slab-on-grade (SOG) if the building were constructed on a slab, or to the existing grade surrounding the former structure if basements or subsurface pits were found beneath the buildings. In situations where SOG demolition was performed, the slab was broom cleaned at the end of the demolition operations and the recovered debris was added to the waste material scheduled for disposal off-site.

The basement beneath Building S-311 and subsurface pits located at Building 2207 (solid waste incinerator at Ash Landfill) were fractured to allow percolation and drainage of future storm event water that may impact on and infiltrate through the former building site. Once the integrity of basement and pit structures were breached, the subsurface void space was filled with clean, pulverized rubble and demolition debris (i.e., hard fill) to an elevation of 12 to 18 inches below surrounding grade level. The rubble filled area was then topped with clean fill that was compacted by heavy equipment track-walking during final site restoration and grading operations. All of the demolition sites were graded to promote positive drainage, and the disturbed areas were seeded and mulched to return them to their original conditions.

A summary of the materials of construction identified in each of the buildings, the types of asbestos and other hazardous and toxic materials identified in the building, and scope of the completed work performed at each building is provided in **Table 2-1**.

2.2 Disposal Quantities

Generated material and debris from the demolition operations was either recycled or disposed of in an approved C&D landfill. Quantities of material generated by the demolishing process are listed in the following sections.

2.2.1 General Building Debris

Approximately 5,318 tons (300 loads) of general building debris including material such as wood, roofing material, plaster, drywall, insulation, and other general interior debris was generated and shipped off-site

during the demolition of buildings and structures at the Depot. The total listed includes the exterior block from the warehouses Buildings 340, 345 and 349, which was coated with lead paint and asbestos contaminated mastic. All of this material was disposed at a licensed C&D landfill. A full listing of the C&D disposal quantities is provided in **Appendix B**.

2.2.2 Hard-fill

This includes all clean concrete and masonry. This material was used was pulverized and broken up to the extent possible prior to its use as common fill in the basements and pits found at building locations on the site. Approximately 1,000 tons (50 loads) of hard-fill was transported off-site for recycle.

2.2.3 Metals

Nearly 630 tons of metal including structural steel, piping, etc. was recovered during the building demolition process and shipped off-site to a recycling facility in 42 loads.

2.2.4 Non-friable Asbestos

Category I and II asbestos containing material including roofing, flashing, mastic, and transite material were demolished with the building and are included in the material quantities included in Section 2.2.1, above.

2.2.5 Friable Asbestos

Approximately 600 linear feet of friable asbestos pipe insulation was found in Building 311 and approximately five linear feet were found in Building 335. Additionally, 20 linear feet of friable asbestos rope gasket material was removed from Building 2207 and recovered prior to the demolition of the buildings. All of this asbestos material was removed and disposed by a licensed asbestos contractor.

2.2.6 Water

Roughly 4,500 gallons of water was recovered and pumped into a frac tank from building basements and sumps. This water was characterized and then disposed of at the Seneca County Sewer Authority Facility.

2.2.7 Mercury Containing Wastes

Thermostats containing mercury were removed from buildings prior to demolition and disposed off-site.

2.2.8 Fluorescent Tubes

Fluorescent light tubes, if identified, were recovered from of the buildings and structures and placed into storage with other fluorescent lights in storage at the Depot pending disposal off-site.

3.0 SEAD-4 BUILDING CLEANING

3.1 Background Information

During the SEAD-4 Remedial Investigation (RI) in 1998, samples of dirt, dust, and debris were collected inside of six buildings (i.e., Buildings 2073, 2076, 2078, 2079, 2084, and 2085) and these samples were analyzed for the full suite of Target Compound List VOCs, SVOCs, and PCBs/Pesticides, as well as Target Analyte List metals constituents. Each of these buildings was found to be in deteriorating condition as a result of being abandoned and not maintained since the 1960s when the operations at the Munitions Washout Facility (SEAD-4) were terminated.

The results of sample analyses indicated that a variety of hazardous substances were present in the debris, at levels ranging from low level part per billion values to 12,000 parts per million for lead (other non-hazardous metals, e.g., iron, calcium, magnesium, were detected at higher concentrations). Subsequently, these data were included in the risk assessments that were performed for the site and the results of the human health risk assessment indicated many of the identified contaminants were significant factors contributing to the excess cancer risk (i.e., 3×10^{-4} versus EPA's recommended range of $10^{-4} - 10^{-6}$) and elevated hazard index levels (i.e., 20, versus EPA's threshold value of 1) identified for potential future occupants of the buildings. The identified risks were driven primarily by dermal contact with indoor dust and debris and ingestion of indoor dust. The primary contaminants found that contributed to the identified risk were aroclor-1254 which was found in five of the samples at concentrations up to 91 parts per million, and aroclor-1260 which was found in four of the collected debris samples. Other hazardous substances contributing lesser amounts to the identified risk were found in each of the samples collected from the six buildings.

Based on these finding, the Army decided that the dusts and debris should be removed from the buildings, prior to their release and any future reuse. Building 2079 was subsequently demolished due to the determination that this building was not longer structurally sound and safe and therefore, uninhabitable. As is indicated in Section 2 of this document, this building was included in those that were demolished in 2007, with all debris shipped off-site for recycle or disposal at a licensed C & D landfill.

3.2 Building Decontamination

Between January 7 and 9, floors and trenches of the five buildings remaining at SEAD-4 (i.e., Buildings 2073, 2076, 2078, 2084, and 2085) were broom cleaned and then vacuumed to remove accumulated dust, dirt, and debris that had accumulated during their years of abandonment and neglect. Debris accumulated within the buildings included dirt and dust, broken glass, flaking paint, broken pieces of wood, floor tile and masonry, animal droppings, and other miscellaneous debris.

Debris and other waste materials recovered during the cleaning of the five buildings were collected and characterized for disposal. The results of these analyses are presented in **Table 3-1**. The waste materials were subsequently disposed off-site at a licensed facility.

Additionally, wipe samples were collected from floor drains within three buildings (Buildings 2073, 2076, and 2084and analyzed for PCBs and all total PCB results were less than the EPA limit of 10 µg/wipe (or 10 µg/100 cm^2), which is defined in 40 C.F.R. § 761.120 - 761.135 as the requirement for decontamination of PCB contaminated solid surfaces to achieve unrestricted use. The results of these analyses are presented in **Table 3-2**. The wipe sampling locations and corresponding sample numbers within Buildings 2073, 2076 and 2084 are shown on **Figure 3-1**, **3-2**, and **3-3**, respectively

The interim action of cleaning the remaining buildings (2073, 2076, 2078, 2084 and 2085) to eliminate dust, dirt, and debris, followed by the collection and analysis of PCB wipe samples demonstrates and documents the successful completion of one of the components of the SEAD-4 remedy that was presented in the SEAD-4 Proposed Plan (Parsons, 2007).

LIST OF TABLES

Table 1-1
Former Locations of Demolished Buildings

Building Cleaning and Demolition Report
Seneca Army Depot Activity – Romulus, NY

Building Designation	Building Name	Location (if applicable)
128	Quonset Hut	PID Area (near SEAD-59/71 and SEAD-5)
139	Office Trailer (12' x 50')	PID Area
309	Addition	PID Area
311	Old Deactivation Furnace	In PID Area, in SEAD-16
335	Fire Station	PID Area
340	Warehouse	PID Area
345	Warehouse	PID Area
349	Warehouse	PID Area
367	New Deactivation Furnace	In SEAD-17
2074	Collapsed Building	In SEAD-4
2075	Process Building	In SEAD-4
2077	General Purpose Storage	In SEAD-4
2079	Powerhouse and Stack	In SEAD-4
2081	Water Tank	In SEAD-4
2105	Barn	Near SEAD-57
2106	Trailer (10' x 50')	Near SEAD-57
2110	Barn	In SEAD-70
2207	Abandoned Solid Waste Incinerator	In Ash Landfill OU (SEAD-15)
S01	Trailer (8' x 35')	In Munitions Igloo Storage Area

Table 2-1
Building Summary

Building Cleaning and Demolition
Seneca Army Depot Activity - Romulus, NY

Building Designation	Building Name	Area in square feet (sf)	Type of Construction	Scope	Asbestos Survey Results	RCRA/TSCA/Non-Hazardous/C&D Wastes
S01	Trailer 8 feet (ft) x 35 ft	280	Sheet metal (SM)/wood frame.	Demolished completely.	None	
128	Quonset Hut	5,155	Structural Steel	Demolished to top of grade wall.		
139	Office Trailer 12 ft x 50 ft	600	SM with wood frame.	Demolished completely.	None	Mercury Thermostat
309	Rear Addition	2,736	Wood frame.	Demolished to slab on grade (SOG).	Roof non-friable potentially asbestos-containing material (PACM)	
311	Abandoned Deactivation Furnace, Old Popping Plant.	9,599	Concrete masonry unit (CMU) and wood roof.	Demolished to grade. Basement water was removed and disposed. Basement filled with clean, recycled hard-fill.	Non friable asbestos window caulk, roofing transite ceiling panels. Friable pipe insulations 600 lf.	Possible explosive residue in pipe (pink water). Pipe manually removed and set to OB Grounds for thermal treatment
335	Fire Station	3,795	All wood.	Demolished to Grade.	Friable asbestos pipe insulation 5 linear feet (lf)	Mercury Thermostat
340	Warehouse	90,000	CMU/wood roof.	Demolished to SOG.	Non friable mastic on exterior wall and built up (BU) roof. Transite panels in valve room 350 sf.	Exterior paint, lead over non-friable mastic. All to C&D landfill.
345	Warehouse	45,000	CMU/wood roof.	Demolished to SOG.	Non friable mastic on exterior wall and BU roof.	Exterior paint, lead over non-friable mastic. All to C&D landfill.

Table 2-1 (continued)
Building Summary

Building Cleaning and Demolition
Seneca Army Depot Activity - Romulus, NY

Building Designation	Building Name	Area in square feet (sf)	Type of Construction	Scope	Asbestos Survey Results	RCRA/TSCA/Non-Hazardous/C&D Wastes
349	Warehouse	90,000	CMU/wood roof.	Demolished to SOG.	Non friable mastic on exterior wall and BU roof. Transite panels in valve room 350 sf.	Exterior paint, lead over non-friable mastic. All to C&D landfill.
367	Deactivation Furnace, New Popping Plant.	2,240	Structural Steel.	Demolished to SOG.	None	
2074	Collapsed Building	100	Wood.	Demolished to SOG.	None	
2075	Process Building	150	CMU with concrete. Wood frame roof.	Demolished to SOG.	Transite on 50% of roof.	
2077	Power House and Stack	3,828	CMU/Brick and wood roof.	Demolished completely. Pits were broken and filled with recycled clean hard-fill.	Non-friable asbestos roof, 390 sf.	
2079	Boiler House	1,640	Structural steel, CMU, and wood.	Demolished to SOG.	Transite roof.	Mercury Thermostat.
2081	Water Storage Tank	1,950	Structural Steel.	Demolished to grade.	None	
2105	Barn	23,520	All wood.	Demolished to grade.	Roof non-friable PACM.	
2106	Trailer 10 ft x 50 ft	500	SM/wood frame.	Demolished completely.	None	
2110	Barn	23,520	All wood.	Demolished to grade.	Roof non-friable PACM.	
2207	Abandoned Solid Waste Incinerator	3,828	Structural Steel.	Demolished to SOG. Pits were broken and filled with recycled clean hard-fill.	Two friable asbestos door gaskets, 20 linear feet. Roof non-friable PACM	

Table 3-1
Building Debris Waste Characterization Results

Building Cleaning and Building Demolition Report
Seneca Army Depot Activity - Romulus, NY

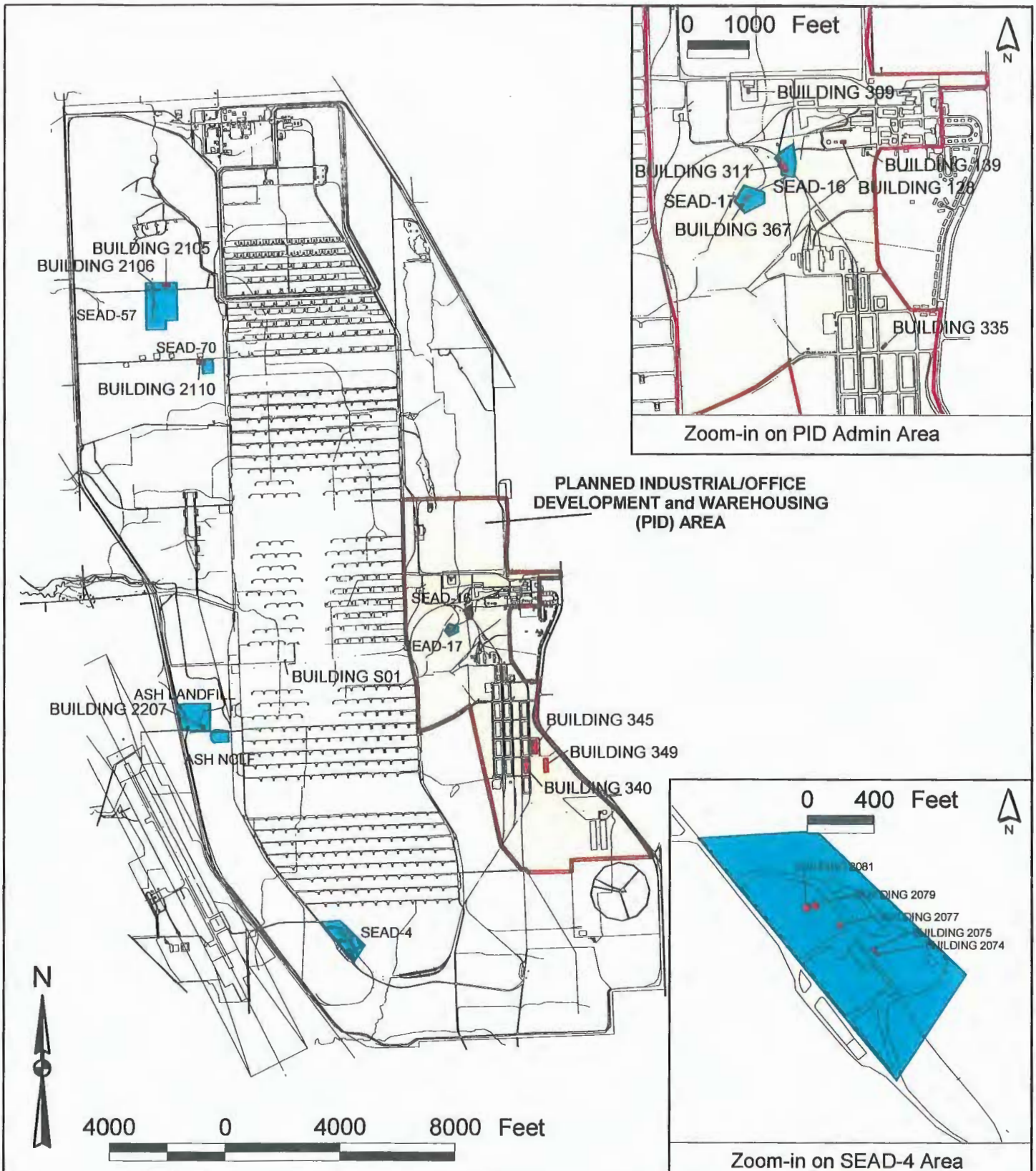
Facility		SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4
Location ID		BLDG-2073-FL	BLDG-2076-FL	BLDG-2076	BLDG-2078-FL	BLDG-2084-FL	BLDG-2085-FL
Maxtrix		DEBRIS	DEBRIS	DCS-SOIL	DEBRIS	DEBRIS	DEBRIS
Sample ID		S4B2073-D50001	S4B2076-D50002	S4B2076-D50006	S4B2078-D50003	S4B2084-D50004	S4B2085-D50005
Sample Depth to Top of Sample		0	0	0	0	0	0
Sample Depth to Bottom of Sample		0	0	0	0	0	0
Sample Date		2/5/2008	2/5/2008	2/19/2008	2/5/2008	2/5/2008	2/5/2008
QC Code		SA	SA	SA	SA	SA	SA
Study ID		BLDG DEMO	BLDG DEMO	BLDG DEMO	BLDG DEMO	BLDG DEMO	BLDG DEMO
Parameter	Units						
Aroclor-1016	UG/KG	1000 U	2000 U		510 U	36 U	16 U
Aroclor-1221	UG/KG	1000 U	2000 U		510 U	36 U	16 U
Aroclor-1232	UG/KG	1000 U	2000 U		510 U	36 U	16 U
Aroclor-1242	UG/KG	1000 U	2000 U		510 U	36 U	16 U
Aroclor-1248	UG/KG	1000 U	2000 U		510 U	36 U	16 U
Aroclor-1254	UG/KG	6700	2000 U		5300	530	16 U
Aroclor-1260	UG/KG	3600	2000 U		510 U	36 U	16 U
Flashpoint	°F	>176	>176		>176	>176	>176
Reactive Cyanide	MG/KG	10 U	10 U		10 U	10 U	10 U
Reactive Sulfide	MG/KG	10 U	10 U		10 U	10 U	10 U
TCLP Arsenic	MG/L	0.028	0.042		1.5	0.022	0.01 U
TCLP Barium	MG/L	0.29	1.3		0.16	0.23	0.56
TCLP Cadmium	MG/L	0.22	0.096		0.34	0.29	0.0056
TCLP Chromium	MG/L	0.09	0.17		0.023	0.095	0.029
TCLP Lead	MG/L	0.52	4.5	I	5	0.42	0.15
TCLP Mercury	MG/L	0.0002 U	0.0038		0.00045	0.0002 U	0.0002 U
TCLP Selenium	MG/L	0.015 U	0.015 U		0.015 U	0.015 U	0.015 U
TCLP Silver	MG/L	0.003 U	0.003 U		0.003 U	0.003 U	0.003 U

Table 3-2
Building Wipe Sample Results

Building Cleaning and Building Demolition Report
Seneca Army Depot Activity - Romulus NY

Facility		SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4	SEAD-4
Location ID		BLDG-2073-FL-NE-DRAIN	BLDG-2073-FL-NW-DRAIN	BLDG-2073-FL-SE-DRAIN	BLDG-2073-FL-SW-DRAIN	BLDG-2076-FL-N-TRENCH	BLDG-2076-FL-S-TRENCH	BLDG-2084-FL-S-TRENCH
Maxtrix		WIPE	WIPE	WIPE	WIPE	WIPE	WIPE	WIPE
Sample ID		S4B2073-W50006	S4B2073-W50007	S4B2073-W50008	S4B2073-W50009	S4B2076-W50012	S4B2084-W50010	S4B2076-W50011
Sample Depth to Top of Sample		0	0	0	0	0	0	0
Sample Depth to Bottom of Sample		0	0	0	0	0	0	0
Sample Date		1/8/2008	1/8/2008	1/8/2008	1/8/2008	1/8/2008	1/8/2008	1/8/2008
QC Code		SA	SA	SA	SA	SA	SA	SA
Study ID		BLDG DEMO	BLDG DEMO	BLDG DEMO	BLDG DEMO	BLDG DEMO	BLDG DEMO	BLDG DEMO
Parameter	Units							
Aroclor-1016	UG/WIPE	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1221	UG/WIPE	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1232	UG/WIPE	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1242	UG/WIPE	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1248	UG/WIPE	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254	UG/WIPE	7.2	2.8	1.1	1.7	1 U	1 U	1 U
Aroclor-1260	UG/WIPE	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total PCBs	UG/WIPE	7.2	2.8	1.1	1.7	1 U	1 U	1 U

LIST OF FIGURES



LEGEND

- Demolished Building
- Approximate Extent of SWMUs
- PID Area

O:\Seneca\PBC II\Building_Demo\buld_demo_site_map.apr\Building Demolition Figure 1

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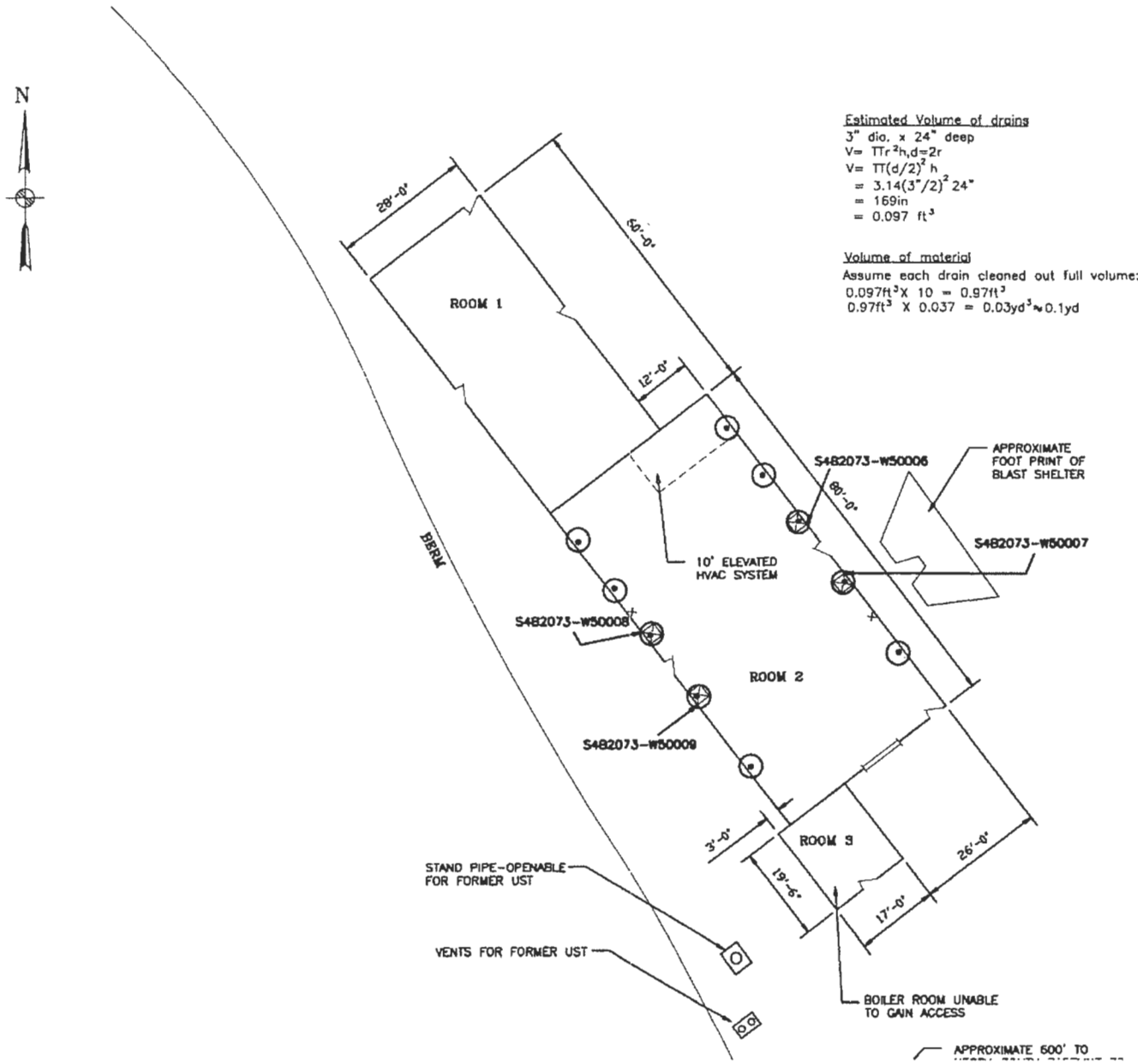
SENECA ARMY DEPOT ACTIVITY
Building Demolition Completion Report

Figure 1-1
Former Locations of Demolished Buildings

October 2008



Estimated Volume of drains
3" dia. x 24" deep
$V = \pi r^2 h, d = 2r$
$V = \pi (d/2)^2 h$
$= 3.14(3"/2)^2 24"$
$= 169in$
$= 0.097\ ft^3$

Volume of material
Assume each drain cleaned out full volume:
$0.097ft^3 X\ 10 = 0.97ft^3$
$0.97ft^3\ X\ 0.037 = 0.03yd^3 \approx 0.1yd$

LEGEND:

⊙ FLOOR DRAIN LOCATIONS & AREA OF PROPOSED CLEANUP.

☒ 1 WIPE SAMPLE COLLECTED FROM THE FLOOR DRAINS.

PARSONS

CLIENT/PROJECT TITLE

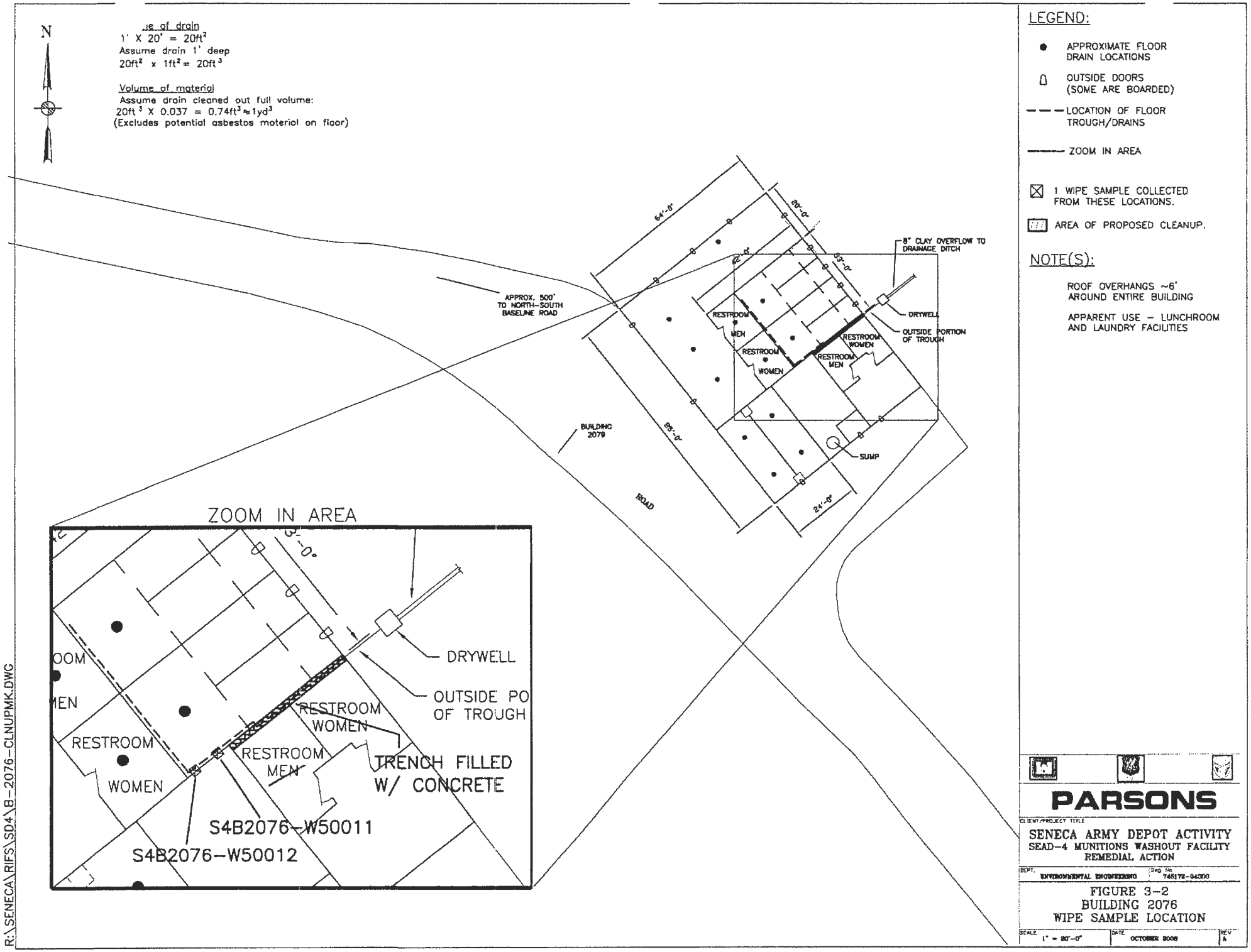
SENECA ARMY DEPOT ACTIVITY
SEAD-4 MUNITIONS WASHOUT FACILITY
REMEDIAL ACTION

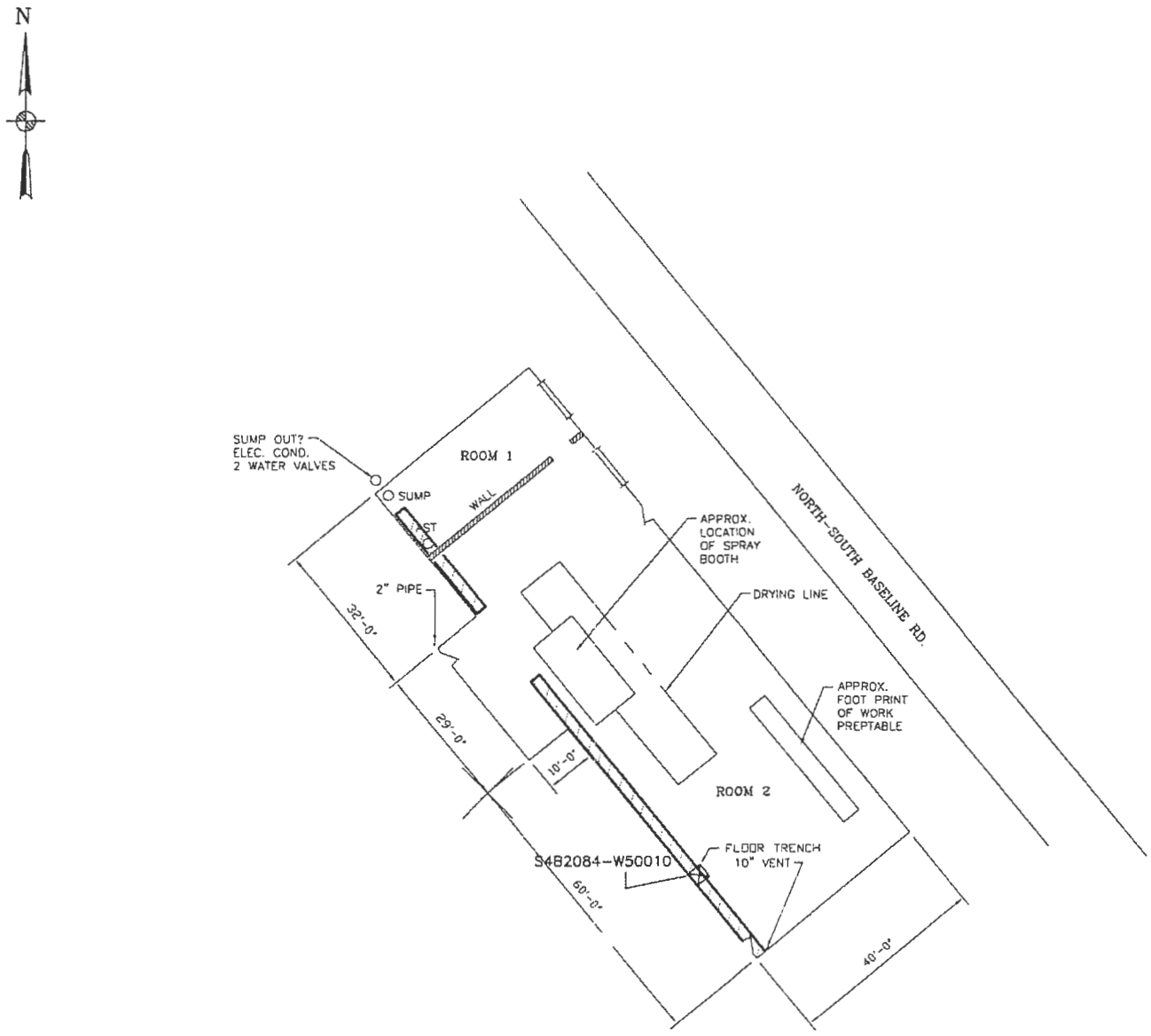
DEPT. ENVIRONMENTAL ENGINEERING | Dwg No. 745172-04300

FIGURE 3-1
BUILDING 2073
WIPE SAMPLE LOCATIONS

SCALE 1" = 20'-0" | DATE OCTOBER 2008 | REV A

R:\SENECA\SD4\B-2073MK_LETTER.DWG


N
ue of drain
1' X 20' = 20ft²
Assume drain 1' deep
20ft² x 1ft² = 20ft³
Volume of material
Assume drain cleaned out full volume:
20ft³ X 0.037 = 0.74ft³ ≈ 1yd³
(Excludes potential asbestos material on floor)
APPROX. 500' TO NORTH-SOUTH BASELINE ROAD
BUILDING 2079
ROAD
8" CLAY OVERFLOW TO DRAINAGE DITCH
DRYWELL
OUTSIDE PORTION OF TROUGH
SUMP
RESTROOM MEN
RESTROOM WOMEN
RESTROOM WOMEN
RESTROOM MEN
64'-0"
20'-0"
42'-0"
53'-0"
95'-0"
24'-0"
ZOOM IN AREA
3'-0"
DRYWELL
OUTSIDE PO
OF TROUGH
RESTROOM WOMEN
RESTROOM MEN
RESTROOM
WOMEN
TRENCH FILLED W/ CONCRETE
S4B2076-W50011
S4B2076-W50012
LEGEND:
APPROXIMATE FLOOR DRAIN LOCATIONS
OUTSIDE DOORS (SOME ARE BOARDED)
LOCATION OF FLOOR TROUGH/DRAINS
ZOOM IN AREA
1 WIPE SAMPLE COLLECTED FROM THESE LOCATIONS.
AREA OF PROPOSED CLEANUP.
NOTE(S):
ROOF OVERHANGS ~6' AROUND ENTIRE BUILDING
APPARENT USE - LUNCHROOM AND LAUNDRY FACILITIES
PARSONS
CLIENT/PROJECT TITLE
SENECA army DEPOT ACTIVITY
SEAD-4 MUNITIONS WASHOUT FACILITY
REMEDIAL ACTION
DEPT. ENVIRONMENTAL ENGINEERING
Dwg No. 745172-04300
FIGURE 3-2
BUILDING 2076
WIPE SAMPLE LOCATION
SCALE 1" = 20'-0"
DATE OCTOBER 2009
REV A
R:\SENECA\RIFS\SD4\B-2076-CLNUPMK.DWG



LEGEND:

⊠ 1 WIPE SAMPLE COLLECTED FROM FLOOR TRENCH.

AREA OF PROPOSED CLEANUP.

NOTE(S):

BUILDING APPEARS TO HAVE BEEN USED FOR RE-PAINTING ORDINACE SHELLS

Area of trench
Approx. 1' X 95' = 95ft^2
Assume 7" depth = 55ft^3

Volume of material
Assume removal of material from complete trench:
55ft^3 X 0.037 = 2.05 ≈ 2.0yd^3

PARSONS

PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY
SEAD-4 MUNITIONS WASHOUT FACILITY
REMEDIAL ACTION

DEPT. ENVIRONMENTAL ENGINEERING | Dwg No. 745179-04300

FIGURE 3-3
BUILDING 2084
WIPE SAMPLE LOCATION

SCALE 1" = 20'-0" | DATE OCTOBER 2008 | REV A

R:\SENECA\RIFS\SD4\B-2084-LETTER.DWG

LIST OF APPENDICES

APPENDIX A

ASBESTOS SURVEY

PARSONS

290 Elwood Davis Road, Suite 312, Liverpool, New York 13088 • (315) 451-9560 • Fax (315) 451-9570 • www.parsons.com

November 10, 2006

Mr. Tom Andrews
Parsons
Seneca Army Depot
State Route 96
Romulus, New York 14541

Subject: Asbestos-Containing Materials Survey at Seneca Army Depot

Dear Mr. Andrews:

This letter report provides details regarding a survey for asbestos-containing materials (ACM) recently completed for the Seneca Army Depot.

Introduction

A survey to determine the presence of asbestos-containing materials (ACM) was conducted for twenty structures at the former Seneca Army Depot in Romulus, New York. Parsons preformed the pre-demolition surveys.

Asbestos Survey

A survey determining the presence of ACM prior to building demolition is required by the U.S. Environmental Protection Agency (EPA). Parsons conducted this survey between June 28 and August 29, 2006. The survey and material sampling were performed by Dan Douglass, an Asbestos Inspector certified by the New York State Department of Labor (NYSDOL) and the EPA. A copy of the certification is attached.

The survey at the Seneca facility was completed in accordance with federal regulations and conforms to sampling protocol detailed in the Asbestos Hazard Emergency Response Act (AHERA). Compliance with state asbestos regulations (i.e., New York State Industrial Code Rule 56) is not required at federal facilities such as the former Seneca Army Depot.

The Seneca facility consists of 20 structures scheduled for demolition that were surveyed, including Building Numbers 128, 139, 307, 309, 311, 340, 345, 349, 355, 367, 2074, 2075, 2077, 2079, 2085, 2105, 2106, 2110, 2207 and S-01.

Asbestos-Containing Materials

Federal and state regulations consider building materials with one percent asbestos or less as non-ACM. Materials containing greater than one percent asbestos are regulated as ACM. Samples of suspect building materials must undergo laboratory analysis to determine asbestos content. Any suspect material is classified a presumed asbestos-containing material (PACM) unless laboratory analysis proves it to be non-ACM.

Four varieties of asbestos are generally identified during analysis. Chrysotile is the most common type, with Amosite, Anthrophyllite and Crocidolite found less frequently.

Building Inspection

At each building the inspection process included the identification of suspect-ACM and the collecting of bulk samples as appropriate. Assessments were made of both the interiors and exteriors of buildings, including roofs, where accessible. Areas not accessible were noted, with suspect materials identified as presumed ACM (PACM).

Sampled Materials

Suspect-ACM was sampled during the survey to confirm the presence or absence of asbestos. Suspect ACM was grouped by homogeneous material (defined as continuously applied material having the same appearance and texture) to identify sampling areas and to determine appropriate sample locations and quantities.

Materials Not Sampled

Materials noted during the survey considered non-suspect-ACM include:

- Fiberglass and rubber insulating materials
- Concrete, brick and mortar
- Steel and metal components
- Glass and plastic

Sample Collection

Representative bulk samples of suspect-ACM were collected randomly from homogeneous surfaces. The number of samples collected was determined by the type and quantity of the material. Sample locations were selected so that they represent the defined sample area. Unique sample identification numbers were written on sample containers and on labels placed at the sample location.

Sample Analysis

Laboratory services were provided by EMSL Analytical of Carle Place, New York. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA). Sample analysis was conducted using Polarized Light Microscopy (PLM) in accordance with New York State ELAP 198.1 or 198.6 Method. Analysis of some samples of suspect-ACM collected in series may not have been performed, as no further analysis is required following one positive result.

Survey Results

ACM was identified in 11 buildings, including Buildings 128, 311, 340, 345, 349, 355, 2075, 2079, 2105, 2110 and 2207. Materials identified as ACM include the following:

- Coating on exterior walls (Bldg. 340, 345 and 349)
- Black coating on interior walls (Bldg. 128)
- Transite panels on walls, ceilings or roofs (Bldg. 311, 340, 349, 2075 and 2079)
- Roof flashing (Bldg. 345 and 349)
- Roofing materials (Bldg. 311, 340, 345, 349, 2079, 2105, 2110 and 2207)
- Gasket material (Bldg. 2207)
- Window caulk (Bldg. 311)
- Pipe insulation (Bldg. 311 and 355)

No ACM was identified in Buildings 139, 307, 309, 367, 2074, 2077, 2085, 2106 and S-01.

Survey results for each surveyed structure are summarized below with tables that include the sample identification number, material description, location of material, friability and condition of ACM's, asbestos content and estimated quantities. Materials determined to be asbestos-containing are highlighted in bold font, followed by non-ACM. Materials that were not sampled but known to contain asbestos are also included. (na indicates Not Applicable).

Building 128

Building 128 is a one-story metal Quonset hut on a concrete slab with 5,155 square feet of space and is approximately 60 years old. The building is used for storage.

One suspect asbestos-containing material was sampled at the site. Results are summarized in the table below.

Sample ID No.	Description	Location, Friability, Condition	Asbestos Content	Approximate Quantity
128-TC-1	**Black tar-like coating on lower 2 feet of metal wall, above concrete.**	**Interior; Non-friable; Good condition.**	**7.5% Chrysotile**	**600 Square Feet (SF)**

Building 139

Building 139 is a vacant double-wide mobile home formerly used as an office. The structure is in fair condition, contains 1,440 square feet of space and is approximately 30 years old.

Seven suspect asbestos-containing materials were sampled at the site. Results are summarized in the table below.

Sample ID No.	Description	Location	Asbestos Content	Approximate Quantity
139-LF-1	Gold/yellow/brown linoleum and associated mastic	East side	None detected	na
139-LF-2	Yellow/black random pattern linoleum and associated mastic	West side	None detected	na
139-LF-3	Yellow/tan linoleum and associated mastic	West bathroom	None detected	na
139-FT-1	12" x 12" tan tile and associated mastic	South room, west side	None detected	na
139-BM-1	Black baseboard with tan mastic	Throughout	None detected	na
139-SR-1	Ceiling sheetrock	Throughout	None detected	na
139-SR-2			None detected	na
139-SR-3			None detected	na
139-RS-1	Gray roof shingle	Roof	None detected	na

Building 307

Building 307 is a storage shed made of wood and metal on a concrete slab, with a metal roof. The building is in fair condition and is approximately 50 years old.

No suspect asbestos-containing materials were identified in the building.

Building 309

Building 309 is a vacant wood framed building on a concrete slab formerly used as a brig. The building is in fair condition, contains 2,736 square feet of space and is approximately 60 years old.

Nine suspect asbestos-containing materials were sampled at the site. Results are summarized in the table below.

Sample ID No.	Description	Location	Asbestos Content	Approximate Quantity
309-FT-1	12" x 12" Lt. gray/ white floor tile	Interior	None detected	na
309-FT-1 (mastic)	Black mastic on gray floor tile	Interior	None detected	na
309-LF-1	Gray linoleum	Interior	None detected	na
309-VB-1	Black tar-paper vapor barrier	Behind exterior wood siding	None detected	na
309-WG-1	Gray window glazing	Exterior windows	None detected	na
140603428-0004	Tan/brown floor tile	Interior	None detected	na
140603428-0004A	Black mastic on above floor tile	Interior	None detected	na
140603428-0005	Roofing materials	Roof	None detected	na
140603428-0001	Ceiling tiles	Throughout bldg.	None detected	na

Building 311

Building 311 is the vacant old popping plant. The one-story masonry structure is in very poor condition and contains 9,600 square feet of space. Some sections of the interior were inaccessible due to a partially collapsed roof; the basement boiler room was flooded. The survey included one masonry out-building.

Seven asbestos-containing materials were collected at the site; one additional material (transite) is known to contain asbestos.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
S-311-WC-1	**Gray window caulk, Poor condition.**	**At window frames Non-friable**	**11.7% Chrysotile**	**500 LF**
140502264-0014	**Pipe Insulation, Poor condition.**	**On 4" lines, throughout building. Friable**	**29% Chrysotile, 29% Amosite**	**200 LF**
140502264-0022	**Roofing materials, Poor condition.**	**Roof Non-friable**	**5.6% Chrysotile**	**9,600 SF**
(Not sampled)	**Transite ceiling panels, plus broken pieces on floor; Poor**	**Back room Non-friable**	**PACM**	**300 SF**
140502264-0005	Gypsum board	Throughout building	None detected	na
140502264-0001	Fiberboard	Throughout building	None detected	na
S-311-SR-1	Wallboard	Out-building	None detected	na
S-311-SR-2			None detected	na
S-311-SR-3			None detected	na

Building 340

Building 340 is a vacant warehouse with masonry walls and wood roof decking on a concrete slab. The building is in poor condition, contains 225,000 square feet of space and is approximately 60 years old.

Two suspect asbestos-containing materials were sampled at the site; one additional material (transite) is assumed to contain asbestos. One roofing sample was collected from a portion of the collapsed roof. Collection of additional roofing samples was not possible due to unsafe conditions and inaccessibility of the remainder of the intact roof. As one negative result may not be representative of the entire roof, roofing materials are considered PACM.

Sampling results are summarized in the table below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
340-WC-1	Tar-like wall coating painted white, Good condition.	Exterior walls Non-friable	14.3% Chrysotile	28,800 SF
(Not sampled)	Transite wall panels, Fair condition.	Sprinkler room Non-friable	PACM	350 SF
340-RF-1	Built-up roofing materials, Fair condition	Roof Non-friable	PACM	225,000 SF

Building 345

Building 345 is a vacant warehouse with masonry walls and wood roof decking on a concrete slab. The building is in poor condition, contains 225,000 square feet of space and is approximately 60 years old.

Two suspect asbestos-containing materials were sampled at the site. Exterior wall coating on this building is similar to ACM coating found on two nearby warehouses (340 and 349). The coating was not sampled on Building 345 but is presumed to be ACM. One roofing sample was collected from a portion of the collapsed roof. Collection of additional roofing samples was not possible due to unsafe conditions and inaccessibility of the remainder of the intact roof. As one negative result may not be representative of the entire roof, roofing materials are considered PACM.

Survey results are summarized in the table below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
345-FL-1	Roof flashing, Fair condition.	Roof Non-friable	17.1% Chrysotile	1,000 LF
345-RF-1	Built-up roofing materials, Fair condition.	Roof Non-friable	PACM	225,000 SF
(Not sampled)	Wall coating, Good condition.	Exterior walls Non-friable	PACM	14,400 SF

Building 349

Building 349 is a vacant warehouse with masonry walls and wood roof decking on a concrete slab. The building is in poor condition, contains 225,000 square feet of space and is approximately 60 years old.

Four suspect asbestos-containing materials were sampled at the site; one additional material (transite) is known to contain asbestos. One roofing sample was collected from a portion of the collapsed roof. Collection of additional roofing samples was not possible due to unsafe conditions and inaccessibility of the remainder of the intact roof. As one negative result may not be representative of the entire roof, roofing materials are considered PACM.

Results are summarized in the table below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
349-FL-1	Roof flashing, Fair condition.	Roof Non-friable	4.6% Chrysotile	1,000 SF
(Not sampled)	Transite wall panels Fair condition.	Sprinkler room Non-friable	PACM	350 SF
140603428-0003	Wall coating, Good condition.	Exterior walls Non-friable	7.7% Chrysotile	28,800 SF
140603428-0002	Roofing	Roof	PACM	225,000 SF
349-VB-1	Black vapor barrier at roofing	Roof	None detected	na

Building 355

Building 355 is the vacant fire station, with wood construction on a concrete slab. The building is in poor condition, contains 3,800 square feet of space and is approximately 60 years old.

Eight suspect asbestos-containing materials were noted at the site and are summarized in the table below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
S355-PI-1	**Gray cardboard-like pipe insulation, Fair condition.**	**Boiler room Friable**	**2.2% Chrysotile**	**5 LF**
S355-PI-2				
S355-PI-3				
S355-RS-1	Gray roof shingles	Roof	None detected	na
S355-WG-1	Gray window glazing	Window panes	None detected	na
S355-FM-1	Black flooring mastic	Rear half of bldg	<1% Anthrophylite	na
S355-VB-1	Black tar paper vapor barrier	Behind exterior siding	None detected	na
S355-SR-1	Wall sheetrock	Boiler rooms	None detected	na
S355-SR-2			None detected	na
S355-SR-3			None detected	na
140502264-0007	Ceiling tiles	Ceiling	None detected	na
140502264-0017	Roofing material	Roof	None detected	na

Note: Lab reports show ID numbers as 5355 instead of S355, in some instances.

Building 367

Building 367 is the vacant popping plant, with metal construction on a concrete slab. The building is in fair condition, contains 2,240 square feet of space and is approximately 50 years old.
One suspect asbestos-containing material was noted at the site. Sampling results are summarized in the table below.

Sample ID No.	Description	Location	Asbestos Content	Approximate Quantity
367-GK-1	White rope-like gasket material on Unit SC-2	Exterior pad	None detected	na

Building 2074

Building 2074 is a totally collapsed wood structure with no suspect asbestos-containing material noted. It contained approximately 100 square feet of space.

Building 2075

Building 2075 is a vacant wood structure on a concrete slab. The building is in poor condition, contains about 100 square feet of space and is approximately 60 years old. The roof is partially transite paneling and partially shingles.

Two suspect asbestos-containing materials were noted at the site; one material (transite) is known to contain asbestos. Sampling results are summarized in the table below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
(not sampled)	**Corrugated transite roof panels, Fair condition.**	**Roof Non-friable**	**PACM**	**100 SF**
2075-RF-1	Black roof shingles	Exterior	None detected	na

Building 2077

Building 2077 is an abandoned masonry structure on a concrete slab. The building is in poor condition, contains 390 square feet of space and is approximately 60 years old. The interior of the building was inaccessible due to a collapsed roof and dense vegetation surrounding the structure. No suspect-ACM samples were collected due to the building's inaccessibility.

Building 2079

Building 2079 is an abandoned building, with wood and masonry construction on a concrete slab. The building is in fair condition, contains 1,640 square feet of space and is approximately 60 years old.

Four suspect materials were noted at the site and results are summarized in the table below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
(Not sampled)	**Corrugated transite roof panels, Fair condition.**	**Roof Non-friable**	**PACM**	**1,800 SF**
140502264-0018	**Roofing, Poor condition.**	**Roof Non-friable**	**2.0 % Chrysotile**	**400 SF**
140502264-0003	Insulation, tan	Boiler #1	None detected	na
140502264-0011			None detected	na
140502264-0012			None detected	na
140502264-0009	Insulation, yellow	Boiler #2	None detected	na
140502264-0010			None detected	na
140502264-0015			None detected	na

Building 2085

Building 2085 is the abandoned boiler plant, with masonry construction on a concrete slab. The building is in poor condition, contains approximately 2,000 square feet of space and is about 50 years old.

One asbestos-containing material was noted at the site and is summarized in the table below.

Sample ID No.	Description	Location	Asbestos Content	Approximate Quantity
140502264-0006	Boiler setting	Boiler room	None detected	na

Building 2105

Building 2105 is a partially collapsed wood barn, originally consisting of 23,520 square feet of space. The remaining structure is in very poor condition.

One roofing sample was collected from a portion of the collapsed roof. Collection of additional roofing samples was not possible due to unsafe conditions and inaccessibility of the remainder of the intact roof. As one negative result may not be representative of the entire roof, roofing materials are considered PACM. Results are summarized below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
140502264-0020	**Roofing materials, Fair condition**	**Roof Non-friable**	**PACM**	**25,520 SF**

Building 2106

Building 2106 is an abandoned mobile home in very poor condition with extensive water damage. The damage limited access to the structure. The trailer contains 500 square feet of space and is approximately 40 years old.

One asbestos-containing material was noted at the site and is summarized in the table below.

Sample ID No.	Description	Location	Asbestos Content	Approximate Quantity
2106-LIN-1	Brown linoleum	Interior	None detected	na

Building 2110

Building 2110 is a collapsed wood barn, originally consisting of 23,520 square feet of space. There is little of the structure that remains standing.

One roofing sample was collected from a portion of the collapsed roof. Collection of additional roofing samples was not possible due to unsafe conditions and inaccessibility of the remainder of the intact roof. As one negative result may not be representative of the entire roof, roofing materials are considered PACM. Results are summarized in the table below.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
140502264-0021	**Roofing materials, Fair condition**	**Roof Non-friable**	**PACM**	**25,520 SF**

Building 2207

Building 2207 is a vacant two-story incinerator building, with metal construction on a concrete slab. The building is in fair condition, contains 3,828 square feet of space and is approximately 40 years old. The roof and second floor of the building were inaccessible due to darkness and unsafe conditions.

Five asbestos-containing materials were sampled at the site; results are summarized in the table below. Roofing material was inaccessible and is presumed to be ACM.

Sample ID No.	Description, Condition	Location, Friability	Asbestos Content	Approximate Quantity
140502264-0013	**Incinerator door gasket, Fair condition.**	**At incinerator Non-friable**	**44% Chrysotile**	**10 LF**
(Not sampled)	**Roofing materials, Unknown condition.**	**Roof Non-friable**	**PACM**	**4,000 SF**
140502264-0008	Fire brick	Boilers	None detected	na
140502264-0002	Door insulation	Door	None detected	na
140502264-0004	Insulation behind skin of incinerator.	At incinerator	None detected	na
140502264-0023			None detected	na
2207-PI-1	Gray mudded fitting insulation on fiberglass lines.	Middle area.	None detected	na
2207-PI-2			None detected	na
2207-PI-3			None detected	na

Building S-01

Building S-01 is an abandoned mobile home in very poor condition with heavy damage from exposure to the elements. Access was limited to the interior due to the condition of the trailer. The structure is estimated to be 40 years old and contains 240 square feet of space.

One asbestos-containing material was noted at the site and is summarized in the table below. Non-suspect wood fiber ceiling tiles were present in the unit.

Sample ID No.	Description	Location	Asbestos Content	Approximate Quantity
S-01-LIN-1	Tan/yellow linoleum	Interior	None detected	na

Attachments

The following items are attached to this letter report:

- EPA Certification of Asbestos Building Inspector.
- Laboratory reports and chain-of-custody forms.

PARSONS

Sincerely,

Dan Douglass
Senior Scientist

EPA Certification of Asbestos Building Inspector

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JAMES R DOUGLASS

CLASS(EXPIRES)

C A/TC(11/06) D W/SP(11/06)

H P/W (11/06)

CERT# 95-01295

MUST BE CARRIED ON ASBESTOS PROJECTS

DMV# 217734101
EYES BLU
HAIR BRO
HGT 6' 00"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161 BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

Laboratory Reports and Chain-of-Custody Forms

Griffiss AFB OBGW Document Schedule as of 04MAY07 (Rev)

	Document	Draft to USACE and AFRPA	Draft Comments due from USACE and AFRPA	Draft Submitted to Regulators for Comment	Regulator Comments on Draft Submittal Due	Regulator Comments on Draft Submittal Received	Final Submittal	Regulator Final Review - Approved Document
1	OBGW Sites Proposed Plan Proposed Plan Public Meeting	11/10/06	11/20/06	12/12/06	1/17/07	1/17/07	5/18/07	6/18/07 7/9/07
2	PDI 2 Technical Memo	05/07/07	05/15/07				5/20/07	
3	SVI Report	02/05/07	02/15/07	3/9/07	4/9/07	4/19/07		
4	Baseline Monitoring Report	06/01/07	6/15/07				7/1/07	
5	30% Design (Work Plan)	06/15/07	06/30/07	7/1/07	8/1/07		8/15/07	9/15/07
6	OBGW Sites ROD	07/15/07	08/01/07	10/1/07	11/1/07		11/15/07	12/15/07
7	Remedial Design	10/30/07	11/30/07	12/15/07	1/15/08		2/1/08	3/1/08
8	Remedial Action Work Plan	10/30/07	11/30/07	12/15/07	1/15/08		2/1/08	3/1/08
9	AOC-9 Additional PDI Letter Plan	05/25/07	06/01/07				6/6/07	
10	AOC-9 Additional PDI Report	09/01/07	09/15/07				9/20/07	
11	AOC -9 Suplemental FS	11/01/07	11/15/07	12/1/07	1/10/08		1/20/08	2/20/08
12	AOC -9 Proposed Plan	03/01/08	03/15/08	4/1/08	5/1/08		5/15/08	6/15/08
13	AOC-9 30% Design	03/01/08	03/15/08	4/1/08	5/1/08		5/15/08	6/15/08
14	AOC-9 ROD	08/15/08	09/01/08	11/1/08	12/1/08		12/15/08	1/15/09
15	AOC-9 Remedial Design	01/01/09	01/15/09	2/1/09	3/1/09		3/15/09	4/15/09

Note: This schedule is based on a separate regulatory path for AOC 9.

EMSL Analytical, Inc.
208 Stone Hinge Lane, Carle Place, NY 11514
Phone: (516) 997-7251 Fax: (516) 997-7528 Email: carleplacelab@emsl.com

Attn: **Dan Douglass**
Parsons Engineering Science
290 Elwood Davis Road, 3rd Floor
Suite 312
Liverpool, NY 13088
Fax: (315) 451-9570 Phone: (315) 451-9560
Project: 745172-03200 Seneca

Customer ID: PARS53
Customer PO:
Received: 08/30/06 9:32 AM
EMSL Order: 060507066

EMSL Proj:
Analysis Date: 9/4/2006
Report Date: 9/13/2006

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
5311-SR - 1 *060507066-0001*	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
5311-SR - 2 *060507066-0002*	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
5311-SR - 3 *060507066-0003*	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
139- SR - 1 *7066-0004*	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
139- SR - 2 *060507066-0005*	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
139- SR - 3 *060507066-0006*	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
5335 - PI -1 *060507066-0007*	Pipe Insulation	Pink Fibrous Homogeneous	80.00% Cellulose	17.80% Non-fibrous (other)	2.20% Chrysotile
5335 - PI -2 *060507066-0008*	Pipe Insulation				Not Analyzed
5335 - PI -3 *060507066-0009*	Pipe Insulation				Not Analyzed

Analyst(s)
Fahrudin Lalic (16)

Michelle McGowan
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.
Analysis performed by EMSL Long Island (NVLAP #101048-10), NY ELAP #11469, LELAP #04144

*PointCount-1

EMSL Analytical, Inc.
208 Stone Hinge Lane, Carle Place, NY 11514
Phone: (516) 997-7251 Fax: (516) 997-7528 Email: carleplacelab@emsl.com

Attn: **Dan Douglass**
Parsons Engineering Science
290 Elwood Davis Road, 3rd Floor
Suite 312
Liverpool, NY 13088

Fax: (315) 451-9570 Phone: (315) 451-9560
Project: 746172-03200 Seneca

Customer ID: PARS53
Customer PO:
Received: 08/30/06 9:32 AM
EMSL Order: 060607066

EMSL Proj:
Analysis Date: 9/4/2006
Report Date: 9/13/2006

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
5335 - SR - 1 060607066-0010	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
5335 - SR - 2 060607066-0011	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
5335 - SR - 3 060607066-0012	Sheetrock	Tan Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
[illegible] - 1 060607066-0013	Pipe Insulation	Gray Fibrous Homogeneous	40.00% Glass	60.00% Non-fibrous (other)	None Detected
2207 - PI - 2 060607066-0014	Pipe Insulation	Gray Fibrous Homogeneous	40.00% Glass	60.00% Non-fibrous (other)	None Detected
2207 - PI - 3 060607066-0015	Pipe Insulation	Gray Fibrous Homogeneous	40.00% Glass	60.00% Non-fibrous (other)	None Detected
367 - GK - 1 060607066-0021	Gasket Rope	Gray Fibrous Homogeneous	100.00% Glass	0.00% Non-fibrous (other)	None Detected

Analyst(s)
Fahrudin Lafic (16)

Michelle McGowan
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Samples received in good condition unless otherwise noted.

Test performed by EMSL Long Island (NVLAP #101048-10), NY ELAP #11469, LELAP #04144

F [illegible]ntCount-1

THIS IS THE LAST PAGE OF THE REPORT.

Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
~~490 Rowley Road~~
~~Depew, NY 14043~~
CAZIC PLACE NY

Phone: (716) 691-0030
Fax: (716) 691-0394
http://www.emsl.com

Please print all information legibly.

Company:	Parsons	*Bill To:*	Parsons
Address1:	290 Elwood Davis Rd.	*Address1:*	290 Elwood Davis Rd.
Address2:	Suite 312	*Address2:*	Suite 312
City, State:	Liverpool, NY	*City, State:*	Liverpool, NY
Zip/Post Code:	13088	*Zip/Post Code:*	13088
Country:		*Country:*	
Contact Name:	Dan Douglass	*Attn:*	Dan Douglass
Phone:	315-451-9560	*Phone:*	315-451-9560
Fax:	315-451-9570	*Fax:*	315-451-9570
Email: RESULTS:	dan.douglass@parsons.com	*Email:*	dan.douglass@persons.com
EMSL Rep:	Ellen Podell	*P.O. Number:*	745172-03200
Project Name/Number:	SENECA		

ALSO TO: TOM.ANDREWS@PARSONS.COM.

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EMSL ANALYTICAL, INC.
CAZIC PLACE, NY
06 AUG 30 AM 9:32

MATRIX			TURNAROUND			
☐ Air	☐ Soil	☐ Micro-Vac	☐ 3 Hours	☐ 6 Hours	☐ Same Day or 12 Hours*	☐ 24 Hours (1 day)
☐ Bulk	☐ Drinking Water		☐ 48 Hours (2 days)	☐ 72 Hours (3 days)	☐ 96 Hours (4 days)	☒ 120 Hours (5 days)
☐ Wipe	☐ Wastewater		☐ 144+ hours (6-10 days)			

BY THU 9/7/06

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

*12 hours (must arrive by 11:00a.m. Mon -Fri), Please Refer to Price Quote

PCM - Air	TEM Air	TEM WATER
☐ NIOSH 7400(A) Issue 2: August 1994	☐ AHERA 40 CFR, Part 763 Subpart E	☐ EPA 100.1
☐ OSHA w/TWA	☐ NIOSH 7402	☐ EPA 100.2
☐ Other:	☐ EPA Level II	☐ NYS 198.2
PLM - Bulk	**TEM BULK** (NO)	**TEM Microvac/Wipe**
☒ EPA 600/R-93/116	☐ Drop Mount (Qualitative)	☐ ASTM D 5755-95 (quantitative method)
☐ EPA Point Count	☐ Chatfield SOP - 1988-02	☐ Wipe Qualitative
☐ NY Stratified Point Count	☐ TEM NOB (Gravimetric) NYS 198.4	
☐ PLM NOB (Gravimetric) NYS 198.1	☐ EMSL Standard Addition:	**XRD**
☐ NIOSH 9002:		☐ Asbestos
☐ EMSL Standard Addition:	**PLM Soil**	☐ Silica NIOSH 7500
SEM Air or Bulk	☐ EPA Protocol Qualitative	
☐ Qualitative	☐ EPA Protocol Quantitative	**OTHER**
☐ Quantitative	☐ EMSL MSD 9000 Method fibers/gram	☐

NOTE: PLM ONLY - NO TEM

06607066

Chain of Custody

EMSL Analytical, Inc.
~~499 Rowley Road~~
~~Depew, NY 14043~~

TCLP

Asbestos Lab Services

Phone: (716) 681-0030
Fax: (716) 681-0394
http://www.emsl.com

Please print all information legibly.

Client Sample # (s)_____ - _____ Total Samples #:_____

Relinquished:_____ Date:_____ Time:_____

Received:_____ Date: 8/30/06 Time: 9:32 AM

Relinquished:_____ Date:_____ Time:_____

Received:_____ Date:_____ Time:_____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
309-FT-1	FLOOR TILE + MASTIC.	
309-LF-1	LINOLEUM FLOORING	
309-VB-1	VAPOR BARRIER - WALL.	
309-WG-1	WINDOW GLAZING	
128-TC-1	WALL TAR COATING.	
-GK-1	GASKET ROPE	
S311-WC-1	WINDOW CAULK	
[redacted]	SHEETROCK (FRIABLE)	STOP AT 1ST POSITIVE
S311-SR-2	↓	↓
[redacted]	friable	
2075-RF-1	ROOFING ~~SHINGLES~~	
139-LF-1	LINOLEUM FLOORING / MASTIC	
139-LF-2	↓	
139-LF-3	↓	
139-FT-1	FLOOR TILE + MASTIC	
139-BM-1	BASEBOARD MASTIC	
[redacted]	SHEETROCK Friable	
[redacted]	↓	- STOP 1ST POS.
139-RS-1	ROOF SHINGLES	

RECEIVED
EMSL ANALYTICAL, INC.
CHARLESTON, SC
SEP 05 2006

160

Asbestos Lab Services

Phone: (716) 651-0030
Fax: (716) 651-0394
http://www.omni.com

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Client Sample # (s) _____ - _____ Total Samples #: _____

Relinquished: _____ Date: _____ Time: _____

Received: _____ Date: 8/30/06 Time: 9:32 AM

Relinquished: _____ Date: _____ Time: _____

Received: _____ Date: _____ Time: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
345-FL-1	ROOF FLASHING	
345-RF-1	ROOFING	
349-FL-1	ROOF FLASHING	
349-VB-1	VAPOR BARRIER	
340-RF-1	ROOFING	
3-WC-1	WALL COATING.	
9335-RS-1	ROOF SHINGLES	
[redacted]		
[redacted]		STOP 1ST POS.
[redacted]		
[redacted]		STOP 1ST POS.
[redacted]		
S335-WG-1	WINDOW GLAZING	
S335-FM-1	FLOOR MASTIC/LAYER	
S335-VB-1	VAPOR BARRIER	
[redacted]		STOP @ 1ST POSITIVE.
[redacted]		

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ISL ANALYTICAL INC
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19

Asbestos Lab Services

Phone: (716) 631-0030
Fax: (716) 631-0394
http://www.ealsl.com

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Client Sample # (s) _____ - _____ Total Samples #: 41

Relinquished: _____ Date: 8/29/06 Time: _____

Received: _____ Date: 8/30/06 Time: 9:32 AM

Relinquished: _____ Date: _____ Time: _____

Received: _____ Date: _____ Time: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
S01-LIN-1	LINOLEUM FLOORING	
2106-LIN-1	" "	
	PLM ONLY — DO NOT GO TO TEM	

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EMSL ANALYTICAL, INC
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EMSL Analytical, Inc.
208 Stone Hinge Lane, Carle Place, NY 11514
Phone: (516) 997-7251 Fax: (516) 997-7528 Email: carleplacelab@emsl.com

Attn: **Dan Douglass**
Parsons Engineering Science
290 Elwood Davis Road, 3rd Floor
Suite 312
Liverpool, NY 13088
Fax: (315) 451-9570 Phone: (315) 451-9560
Project: 745172-03200 Seneca

Customer ID: PARS53
Customer PO:
Received: 08/30/06 9:32 AM
EMSL Order: 060607066
EMSL Proj:
Analysis Date: 9/4/2006
Report Date: 9/13/2006

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
309 - FT - 1 060607066-0016	Floor Tile & Mastic		100.0	None	Inconclusive: No Asbestos Detected
309 - FT - 1 Mastic 060607066-0016A	Floor Tile & Mastic		100.0	None	Inconclusive: No Asbestos Detected
309 - LF - 1 060607066-0017	Linoleum Flooring		100.0	None	Inconclusive: No Asbestos Detected
09 - VB - 1 060607066-0018	Vapor Barrier - Wall		100.0	None	Inconclusive: No Asbestos Detected
09 - WG -1 060607066-0019	Window Glazing		100.0	None	Inconclusive: No Asbestos Detected
128 - TC - 1 060607066-0020	Wall Tar Coating		92.5	None	7.5 Chrysotile 7.5 Total All Types
S - 311 -WC - 1 060607066-0022	Window Caulk		88.3	None	11.7 Chrysotile 11.7 Total All Types
2075 - RF-1 060607066-0023	Roofing		100.0	None	Inconclusive: No Asbestos Detected
139 - LF - 1 060607066-0024	Linoleum Flooring / Mastic		100.0	None	Inconclusive: No Asbestos Detected
139 - LF - 2 060607066-0025	Linoleum Flooring / Mastic		100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
Fahrudin Lalic (26)

Michelle McGowan
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. The above test report relates only to the items tested. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Samples received in good condition unless otherwise noted.

ACCREDITATIONS: AIHA #102344, NVLAP #101048-10 and NY STATE ELAP #11469, LELAP #04144

EMSL Analytical, Inc.
208 Stone Hinge Lane, Carle Place, NY 11514
Phone: (516) 997-7251 Fax: (516) 997-7528 Email: carleplacelab@emsl.com

Attn: **Dan Douglass**
Parsons Engineering Science
290 Elwood Davis Road, 3rd Floor
Suite 312
Liverpool, NY 13088

Fax: (315) 451-9570 Phone: (315) 451-9560
Project: 746172-03200 Seneca

Customer ID: PARS53
Customer PO:
Received: 08/30/06 9:32 AM
EMSL Order: 060607065

EMSL Proj:
Analysis Date: 9/4/2006
Report Date: 9/13/2006

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
139 - LF - 3 *060607065-0026*	Linoleum Flooring / Mastic		100.0	None	Inconclusive: No Asbestos Detected
139 - FT - 1 *060607065-0027*	Floor Tile / Mastic		100.0	None	Inconclusive: No Asbestos Detected
139 - BM - 1 *060607065-0028*	Baseboard / Mastic		100.0	None	Inconclusive: No Asbestos Detected
'S - 1 *065-0029*	Roof Shingles		100.0	None	Inconclusive: No Asbestos Detected
345 - FL- 1 *060607065-0030*	Roof Flashing		82.9	None	17.1 Chrysotile 17.1 Total All Types
345 - RF- 1 *060607065-0031*	Roofing		100.0	None	Inconclusive: No Asbestos Detected
349 - FL- 1 *060607065-0032*	Roof Flashing		95.4	None	4.6 Chrysotile 4.6 Total All Types
349 - VB - 1 *060607065-0033*	Vapor Barrier		100.0	None	Inconclusive: No Asbestos Detected
340 - RF - 1 *060607065-0034*	Roofing		100.0	None	Inconclusive: No Asbestos Detected
340 - WC - 1 *060607065-0035*	Wall Coating		85.7	None	14.3 Chrysotile 14.3 Total All Types

Analyst(s)
Fahrudin Lafic (28)

Michelle McGowan
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. The above test report relates only to the items tested. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Samples received in good condition unless otherwise noted.
**ACCREDITATIONS: AIHA #102344, NVLAP #101048-10 and NY STATE ELAP #11459, LELAP #04144

EMSL Analytical, Inc.
208 Stone Hinge Lane, Carle Place, NY 11514
Phone: (516) 997-7251 Fax: (516) 997-7526 Email: carleplace.lab@emsl.com

Attn: **Dan Douglass**
Parsons Engineering Science
290 Elwood Davis Road, 3rd Floor
Suite 312
Liverpool, NY 13088
Fax: (315) 451-9570 Phone: (315) 451-9560
Project: 746172-03200 Seneca

Customer ID: PARS53
Customer PO:
Received: 08/30/06 9:32 AM
EMSL Order: 060607066

EMSL Proj:
Analysis Date: 9/4/2006
Report Date: 9/13/2006

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
S335 - RS - 1 *060607066-0036*	Roof Shingle		100.0	None	Inconclusive: No Asbestos Detected
S335 - WG - 1 *060607066-0037*	Window Glazing		100.0	None	Inconclusive: No Asbestos Detected
S335 - FM - 1 *060607066-0038*	Floor Mastic / Layer		100.0	None	Inconclusive : <1 Anthophyllite <1 Total All Types
335 - VB - 1 *60607066-0039*	Vapor Barrier		100.0	None	Inconclusive: No Asbestos Detected
11- Lin - 1 *607066-0040*	Linoleum Flooring		100.0	None	Inconclusive: No Asbestos Detected
2106 - Lin - 1 *060607066-0041*	Linoleum Flooring		100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
Fahrudin Lalic (26)

Michelle McGowan
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted LA Testing maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by LA Testing. The above test report relates only to the items tested. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Samples received in good condition unless otherwise noted.

ACCREDITATIONS: AIHA #102344, NVLAP #101048-10 and NY STATE ELAP #11409, LELAP #04144

THIS IS THE LAST PAGE OF THE REPORT.

Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
~~490 Rowley Road~~ CARLE PLACE NY
~~Depew, NY 14043~~

Phone: (716) 691-0030
Fax: (716) 651-0394
http://www.emsl.com

Please print all information legibly.

Company:	Parsons	*Bill To:*	Parsons
Address1:	290 Elwood Davis Rd.	*Address1:*	290 Elwood Davis Rd.
Address2:	Suite 312	*Address2:*	Suite 312
City, State:	Liverpool, NY	*City, State:*	Liverpool, NY
Zip/Post Code:	13088	*Zip/Post Code:*	13088
Country:		*Country:*	
Contact Name:	Dan Douglass	*Attn:*	Dan Douglass
Phone:	315-451-9560	*Phone:*	315-451-9560
Fax:	315-451-9570	*Fax:*	315-451-9570
Email: RESULTS:	dan.douglass@parsons.com	*Email:*	dan.douglass@parsons.com
EMSL Rep:	Ellen Podell	*P.O. Number:*	745172-03200
Project Name/Number:	SENECA		

ALSO TO: → TOM.ANDREWS@PARSONS.COM.

RECEIVED
EMSL ANALYTICAL, INC
CARLE PLACE, NY
06 AUG 31 PM 12:20

MATRIX			TURNAROUND			
☐ Air	☐ Soil	☐ Micro-Vac	☐ 3 Hours	☐ 6 Hours	☐ Same Day or 12 Hours*	☐ 24 Hours (1 day)
☒ [illegible]	☐ Drinking Water		☐ 48 Hours (2 days)	☐ 72 Hours (3 days)	☐ 96 Hours (4 days)	☒ 120 Hours (5 days)
☐ Wipe	☐ Wastewater		☐ 144+ hours (6-10 days)			

BY THU 9/7/06

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

*12 hours (must arrive by 11:00a.m. Mon.-Fri.), Please Refer to Price Quote

PCM - Air	TEM Air	TEM WATER
☐ NIOSH 7400(A) Issue 2: August 1994	☐ AHERA 40 CFR, Part 763 Subpart E	☐ EPA 100.1
☐ OSHA w/TWA	☐ NIOSH 7402	☐ EPA 100.2
☐ Other:	☐ EPA Level II	☐ NYS 198.2
PLM - Bulk	**TEM BULK** (NO)	**TEM Microvac/Wipe**
☒ EPA 600/R-93/116	☐ Drop Mount (Qualitative)	☐ ASTM D 5755-95 (quantitative method)
☐ EPA Point Count	☐ Chatfield SOP - 1988-02	☐ Wipe Qualitative
☐ NY Stratified Point Count	☐ TEM NOB (Gravimetric) NYS 198.4	
☐ PLM NOB (Gravimetric) NYS 198.1	☐ EMSL Standard Addition:	**XRD**
☐ NIOSH 9002:		☐ Asbestos
☐ EMSL Standard Addition:	**PLM Soil**	☐ Silica NIOSH 7500
SEM Air or Bulk	☐ EPA Protocol Qualitative	
☐ Qualitative	☐ EPA Protocol Quantitative	**OTHER**
☐ Quantitative	☐ EMSL MSD 9000 Method fibers/gram	☐

NOTE: PLM ONLY - NO TEM

00007066

Chain of Custody

EMSL Analytical, Inc.
~~490 Rowley Road~~
~~Depew, NY 14043~~

'7166

Page 2 of ~~2~~ 4

Asbestos Lab Services

Phone: (716) 631-0030
Fax: (716) 631-0394
http://www.eqsl.com

Plea_ print all information legibly.

Client Sample # (s)_____ - _____ Total Samples #:_____

Relinquished:_____ Date:_____ Time:_____

Received:_____ Date: 8/30/06 Time: 9:32AM

Relinquished:_____ Date:_____ Time:_____

Received:_____ Date:_____ Time:_____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
309-FT-1	FLOOR TILE + MASTIC.	
309-LF-1	LINOLEUM FLOORING	
309-VB-1	VAPOR BARRIER - WALL.	
309-WG-1	WINDOW GLAZING	
128-TC-1	WALL TAR COATING.	
7-GK-1	GASKET ROPE	
S311-WC-1	WINDOW CAULK	
[redacted]	[redacted]	
S311-SR-2	↓ ↓	STOP AT 1ST POSITIVE
[redacted]	friable	
2075-RF-1	ROOFING ~~SHINGLES~~	
139-LF-1	LINOLEUM FLOORING / MASTIC	
139-LF-2	↓	
139-LF-3	↓	
139-FT-1	FLOOR TILE & MASTIC	
139-BM-1	BASEBOARD MASTIC	
[redacted]	friable	
[redacted]	STOP 1ST POS.	
139-RS-1	ROOF SHINGLES.	

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8/28/2006

TL'do

Asbestos Lab Services

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http://www.emsl.com

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Client Sample # (s) _____ - _____ Total Samples #: _____

Relinquished: _____ Date: _____ Time: _____

Received: _____ Date: 8/30/06 Time: 9:32 AM

Relinquished: _____ Date: _____ Time: _____

Received: _____ Date: _____ Time: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
345-FL-1	ROOF FLASHING	
345-RF-1	ROOFING	
349-FL-1	ROOF FLASHING	
349-VB-1	VAPOR BARRIER	
340-RF-1	ROOFING	
S - WC-1	WALL COATING.	
9335-RS-1	ROOF SHINGLES	
[redacted]		
[redacted]	↓	STOP 1ST POS
[redacted]		
[redacted]		
[redacted]		STOP 1ST POS.
[redacted]		
S 335-WG-1	WINDOW GLAZING	
S335-FM-1	FLOOR MASTIC/LAYER	
S335-VB-1	VAPOR BARRIER	
[redacted]		STOP @ 1ST POSITIVE.
[redacted]		

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CARLE PLACE

19

'06

Asbestos Lab Services

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Fax: (716) 681-0394
http://www.emsl.com

Please print all information legibly.

Client Sample # (s) ______ - ______

Total Samples #: (41)

Relinquished: [signature] Date: 8/29/06 Time: ______

Received: [signature] Date: 8/30/06 Time: 9:32 Am

Relinquished: ______ Date: ______ Time: ______

Received: ______ Date: ______ Time: ______

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (If applicable)
501-LIN-1	LINOLEUM FLOORING	
2106-LIN-1	" "	
✓		
	PLM ONLY — DO NOT GO TO TEM	

RECEIVED
EMSL ANALYTICAL INC
CINNAMINSON, NJ
06 AUG 30 AM 9:32

(2)

EMSL Analytical, Inc.
480 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: Tom Andrews
Parsons Inc.
180 Lawrence Bell Drive
Suite 104
Williamsville, NY 14221

Fax: (716) 633-7195 Phone: (716) 633-7074
Project: Unknown

Customer ID: PARS62A
Customer PO:
Received: 08/18/06 1:36 PM
EMSL Order: 140603428

EMSL Proj:
Analysis Date: 8/28/2006
Report Date: 8/28/2006

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	%	ASBESTOS TYPES	% TOTAL ASBESTOS
57 *140603428-0002*	roof	Black/Brown	100.0	None		No Asbestos Detected	
60 *140603428-0003*	paint	Gray/White	92.3	None	7.7	Chrysotile	7.7
61 *140603428-0004*	floor tile	Tan/Brown	100.0	None		No Asbestos Detected	
140603428-0004A	mastic	Black/Tan	100.0	None		No Asbestos Detected	
62 *140603428-0005*	roof	Black	100.0	None		No Asbestos Detected	

Analyst(s)
Ken Najuch (5)

Rhonda McGee
or other approved signatory

NYITNOB-2

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: Tom Andrews
Parsons Inc.
180 Lawrence Bell Drive
Suite 104
Williamsville, NY 14221

Fax: (716) 633-7195 Phone: (716) 633-7074
Project: Unknown

Customer ID: PARS52A
Customer PO:
Received: 08/18/06 1:36 PM
EMSL Order: 140603428

EMSL Proj:
Analysis Date: 8/24/2006
Report Date: 8/28/2006

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
58 *140603428-0001*	bldg 309	Gray Fibrous Homogeneous	2.00% Cellulose	98.00% Non-fibrous (other)	None Detected

Analyst(s)

Rhonda McGee (1)

Rhonda McGee

or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

Analysis performed by EMSL Buffalo (NVLAP #200055-0), NY ELAP #11606

MPointCount-1

THIS IS THE LAST PAGE OF THE REPORT.

14060342.8

EMSL Analytical, Inc. Chemistry Lab 3 Cooper St, Westmont, NJ 08108 TEL: (856) 858-4800 FAX: (856) 858-4571	Chain of Custody / Analysis Request Form Print ALL Information. Put N/A in blanks not applicable	EMSL Project # Account Rep: Indicate State where samples collected:

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: Tim Andrews	Name: M. Switzer PO#:	Date Results needed by:
Company: PARSONS	Company: PARSONS	*Standard 6-10 days or 2 weeks [X] *11-15 days or 3 weeks [ ] *16-21 days or 4 weeks [ ]
Address: 180 Lawrence Bell Dr. #104	Address: 290 Elwood Davis Road	The following turnaround times require lab approval:
City: Williamsville	City: Liverpool	[ ] *4-5 days or 1 week [ ] 72 Hrs [ ] 48 Hrs
State: NY ZIP 14221	State: NY ZIP 13088	[ ] 24 Hrs Approved by:
TEL: 716-633-3014 FAX: 716-633-9155	TEL: 315-451-9760 FAX: 315-451-9570	*same price and tat for weeks or days
Sampled by: (Signature)	# of Samples in Shipment: 5	Date of Sample Shipment:

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location/Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	Asbestos	Lead				
1.	57	Bldg 349-Roof		X					X						8/11		X					
2.	"57	" 309-Ceiling		X	NO				X						"		X					
3.	60	" 349 Exp Joints		X					X						"		X	X				
4.	61	" 309 Floor Tile		X					X						"		X		+ mastic			
5.	62	" 309 Roof		X					X						"		X					
6.																						
7.																						
8.																						
9.														TEM	NOB							
10.																						

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
			RECEIVED		8/15/06 1:36 pm	Drop off

Comments:

Please indicate reporting requirements: [X] 1. Results Only [ ] 2. Results and QC [ ] 3. Reduced Deliverables [ ] 4. Disk Deliverable

APPENDIX B

C & D DISPOSAL LOGS

Seneca Army Depot

Demolition Contract Disposal Log for C&D Waste

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
1	10/8/07	Seneca Meadows	16.62		16.62	
2	10/8/07	Seneca Meadows	11.41		28.03	
3	10/8/07	Seneca Meadows	11.77	39.80	39.80	3
4	10/9/07	Seneca Meadows	20.29		60.09	
5	10/9/07	Seneca Meadows	13.84		73.93	
6	10/9/07	Seneca Meadows	18.40		92.33	
7	10/9/07	Seneca Meadows	23.74		116.07	
8	10/9/07	Seneca Meadows	30.90	107.17	146.97	5
9	10/10/07	Seneca Meadows	20.40		167.37	
10	10/10/07	Seneca Meadows	30.48		197.85	
11	10/10/07	Seneca Meadows	29.65		227.50	
12	10/10/07	Seneca Meadows	32.37		259.87	
13	10/10/07	Seneca Meadows	14.96		274.83	
14	10/10/07	Seneca Meadows	20.48		295.31	
15	10/10/07	Seneca Meadows	20.48	168.82	315.79	7
16	10/11/07	Seneca Meadows	23.19		338.98	
17	10/11/07	Seneca Meadows	23.08		362.06	
18	10/11/07	Seneca Meadows	19.49		381.55	
19	10/11/07	Seneca Meadows	20.49		402.04	
20	10/11/07	Seneca Meadows	13.83		415.87	
21	10/11/07	Seneca Meadows	14.64		430.51	
22	10/11/07	Seneca Meadows	14.64		445.15	
23	10/11/07	Seneca Meadows	22.25	151.61	467.40	8
24	10/16/07	Seneca Meadows	22.59		489.99	
25	10/16/07	Seneca Meadows	20.35		510.34	
26	10/16/07	Seneca Meadows	25.47	68.41	535.81	3
27	10/17/07	Seneca Meadows	26.47		562.28	
28	10/17/07	Seneca Meadows	11.51	37.98	573.79	2
29	10/22/07	Seneca Meadows	11.28	11.28	585.07	1
30	10/23/07	Seneca Meadows	9.61		594.68	
31	10/23/07	Seneca Meadows	18.61	28.22	613.29	2
32	10/24/07	Seneca Meadows	24.94	24.94	638.23	1
33	11/5/07	Seneca Meadows	19.55	19.55	657.78	1

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
34	11/7/07	Seneca Meadows	21.03	21.03	678.81	1
35	11/14/07	Seneca Meadows	25.29	25.29	704.10	1
36	11/19/07	Seneca Meadows	23.70	23.70	727.80	1
37	11/20/07	Ontario County	13.01		740.81	
38	11/20/07	Ontario County	16.06		756.87	
39	11/20/07	Ontario County	14.18		771.05	
40	11/20/07	Ontario County	21.68		792.73	
41	11/20/07	Ontario County	10.80		803.53	
42	11/20/07	Ontario County	17.96	93.69	821.49	6
43	11/21/07	Ontario County	17.09		838.58	
44	11/21/07	Ontario County	10.21		848.79	
45	11/21/07	Ontario County	16.94		865.73	
46	11/21/07	Ontario County	10.43		876.16	
47	11/21/07	Ontario County	14.30		890.46	
48	11/21/07	Ontario County	11.31	80.28	901.77	6
49	11/23/07	Ontario County	20.22		921.99	
50	11/23/07	Ontario County	14.82	35.04	936.81	2
51	11/26/07	Ontario County	27.83		964.64	
52	11/26/07	Ontario County	19.58		984.22	
53	11/26/07	Ontario County	12.72		996.94	
54	11/26/07	Ontario County	25.06		1,022.00	
55	11/26/07	Ontario County	19.96	105.15	1,041.96	5
56	11/27/07	Ontario County	19.69		1,061.65	
57	11/27/07	Ontario County	28.44		1,090.09	
58	11/27/07	Ontario County	12.11		1,102.20	
59	11/27/07	Ontario County	32.79		1,134.99	
60	11/27/07	Ontario County	35.83		1,170.82	
61	11/27/07	Ontario County	18.70		1,189.52	
62	11/27/07	Ontario County	20.02	167.58	1,209.54	7
63	11/28/07	Ontario County	21.93		1,231.47	
64	11/28/07	Ontario County	12.17		1,243.64	
65	11/28/07	Ontario County	25.00		1,268.64	
66	11/28/07	Ontario County	29.46		1,298.10	
67	11/28/07	Ontario County	25.99		1,324.09	
68	11/28/07	Ontario County	19.29		1,343.38	

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
69	11/28/07	Ontario County	21.95		1,365.33	
70	11/28/07	Ontario County	23.59		1,388.92	
71	11/28/07	Ontario County	24.45		1,413.37	
72	11/28/07	Ontario County	23.82		1,437.19	
73	11/28/07	Ontario County	19.90	247.55	1,457.09	11
74	11/29/07	Ontario County	33.47		1,490.56	
75	11/29/07	Ontario County	13.14		1,503.70	
76	11/29/07	Ontario County	22.47		1,526.17	
77	11/29/07	Ontario County	19.78		1,545.95	
78	11/29/07	Ontario County	26.60		1,572.55	
79	11/29/07	Ontario County	14.44		1,586.99	
80	11/29/07	Ontario County	17.76		1,604.75	
81	11/29/07	Ontario County	10.41	158.07	1,615.16	8
82	11/30/07	Ontario County	16.78		1,631.94	
83	11/30/07	Ontario County	16.63		1,648.57	
84	11/30/07	Ontario County	9.71		1,658.28	
85	11/30/07	Ontario County	13.17		1,671.45	
86	11/30/07	Ontario County	18.35		1,689.80	
87	11/30/07	Ontario County	29.54		1,719.34	
88	11/30/07	Ontario County	14.47		1,733.81	
89	11/30/07	Ontario County	29.54		1,763.35	
90	11/30/07	Ontario County	14.47		1,777.82	
91	11/30/07	Ontario County	19.20		1,797.02	
92	11/30/07	Ontario County	21.80		1,818.82	
93	11/30/07	Ontario County	20.37		1,839.19	
94	11/30/07	Ontario County	9.96		1,849.15	
95	11/30/07	Ontario County	30.73	264.72	1,879.88	14
96	12/3/07	Ontario County	22.06		1,901.94	
97	12/3/07	Ontario County	16.55		1,918.49	
98	12/3/07	Ontario County	19.49		1,937.98	
99	12/3/07	Ontario County	18.06		1,956.04	
100	12/3/07	Ontario County	21.35		1,977.39	
101	12/3/07	Ontario County	18.37		1,995.76	
102	12/3/07	Ontario County	25.49		2,021.25	
103	12/3/07	Ontario County	21.29		2,042.54	

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
104	12/3/07	Ontario County	18.04		2,060.58	
105	12/3/07	Ontario County	11.66		2,072.24	
106	12/3/07	Ontario County	18.25		2,090.49	
107	12/3/07	Ontario County	12.69	223.30	2,103.18	12
108	12/4/07	Ontario County	24.40		2,127.58	
109	12/4/07	Ontario County	21.57		2,149.15	
110	12/4/07	Ontario County	21.00		2,170.15	
111	12/4/07	Ontario County	26.72		2,196.87	
112	12/4/07	Ontario County	32.78		2,229.65	
113	12/4/07	Ontario County	19.49		2,249.14	
114	12/4/07	Ontario County	16.61		2,265.75	
115	12/4/07	Ontario County	18.85		2,284.60	
116	12/4/07	Ontario County	20.50		2,305.10	
117	12/4/07	Ontario County	22.44	224.36	2,327.54	10
118	12/5/07	Ontario County	19.22		2,346.76	
119	12/5/07	Ontario County	22.33		2,369.09	
120	12/5/07	Ontario County	28.73		2,397.82	
121	12/5/07	Ontario County	20.71		2,418.53	
122	12/5/07	Ontario County	25.94		2,444.47	
123	12/5/07	Ontario County	21.42		2,465.89	
124	12/5/07	Ontario County	19.04		2,484.93	
125	12/5/07	Ontario County	14.25		2,499.18	
126	12/5/07	Ontario County	12.70		2,511.88	
127	12/5/07	Ontario County	19.54		2,531.42	
128	12/5/07	Ontario County	18.98		2,550.40	
129	12/5/07	Ontario County	13.42	236.28	2,563.82	12
130	12/6/07	Ontario County	31.35		2,595.17	
131	12/6/07	Ontario County	25.29		2,620.46	
132	12/6/07	Ontario County	17.69		2,638.15	
133	12/6/07	Ontario County	29.89	104.22	2,668.04	4
134	12/10/07	Ontario County	14.50		2,682.54	
135	12/10/07	Ontario County	13.02		2,695.56	
136	12/10/07	Ontario County	10.33		2,705.89	
137	12/10/07	Ontario County	18.34		2,724.23	
138	12/10/07	Ontario County	15.15		2,739.38	

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
139	12/10/07	Ontario County	14.75		2,754.13	
140	12/10/07	Ontario County	14.20		2,768.33	
141	12/10/07	Ontario County	11.15		2,779.48	
142	12/10/07	Ontario County	17.48		2,796.96	
143	12/10/07	Ontario County	15.48		2,812.44	
144	12/10/07	Ontario County	16.27		2,828.71	
145	12/10/07	Ontario County	13.24		2,841.95	
146	12/10/07	Ontario County	14.03		2,855.98	
147	12/10/07	Ontario County	12.23		2,868.21	
148	12/10/07	Ontario County	12.35		2,880.56	
149	12/10/07	Ontario County	11.62		2,892.18	
150	12/10/07	Ontario County	11.93		2,904.11	
151	12/10/07	Ontario County	11.48		2,915.59	
152	12/10/07	Ontario County	16.04		2,931.63	
153	12/10/07	Ontario County	14.74		2,946.37	
154	12/10/07	Ontario County	13.99		2,960.36	
155	12/10/07	Ontario County	16.31		2,976.67	
156	12/10/07	Ontario County	14.17		2,990.84	
157	12/10/07	Ontario County	15.89		3,006.73	
158	12/10/07	Ontario County	15.82		3,022.55	
159	12/10/07	Ontario County	13.75		3,036.30	
160	12/10/07	Ontario County	15.09		3,051.39	
161	12/10/07	Ontario County	15.17		3,066.56	
162	12/10/07	Ontario County	10.39		3,076.95	
163	12/10/07	Ontario County	12.89		3,089.84	
164	12/10/07	Ontario County	12.60		3,102.44	
165	12/10/07	Ontario County	12.24		3,114.68	
166	12/10/07	Ontario County	16.24		3,130.92	
167	12/10/07	Ontario County	14.09		3,145.01	
168	12/10/07	Ontario County	15.09		3,160.10	
169	12/10/07	Ontario County	16.35		3,176.45	
170	12/10/07	Ontario County	16.15		3,192.60	
171	12/10/07	Ontario County	15.66	540.22	3,208.26	38
172	12/11/07	Ontario County	15.36		3,223.62	
173	12/11/07	Ontario County	14.73		3,238.35	

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
174	12/11/07	Ontario County	16.53		3,254.88	
175	12/11/07	Ontario County	12.50		3,267.38	
176	12/11/07	Ontario County	14.98		3,282.36	
177	12/11/07	Ontario County	17.17		3,299.53	
178	12/11/07	Ontario County	15.79		3,315.32	
179	12/11/07	Ontario County	12.67		3,327.99	
180	12/11/07	Ontario County	16.74		3,344.73	
181	12/11/07	Ontario County	16.46		3,361.19	
182	12/11/07	Ontario County	17.01		3,378.20	
183	12/11/07	Ontario County	18.03		3,396.23	
184	12/11/07	Ontario County	14.49		3,410.72	
185	12/11/07	Ontario County	11.53		3,422.25	
186	12/11/07	Ontario County	15.79		3,438.04	
187	12/11/07	Ontario County	16.63		3,454.67	
188	12/11/07	Ontario County	17.84		3,472.51	
189	12/11/07	Ontario County	14.67		3,487.18	
190	12/11/07	Ontario County	17.48		3,504.66	
191	12/11/07	Ontario County	15.58		3,520.24	
192	12/11/07	Ontario County	17.38		3,537.62	
193	12/11/07	Ontario County	15.62		3,553.24	
194	12/11/07	Ontario County	14.63		3,567.87	
195	12/11/07	Ontario County	14.75		3,582.62	
196	12/11/07	Ontario County	12.51		3,595.13	
197	12/11/07	Ontario County	14.69		3,609.82	
198	12/11/07	Ontario County	13.13		3,622.95	
199	12/11/07	Ontario County	16.19		3,639.14	
200	12/11/07	Ontario County	17.73		3,656.87	
201	12/11/07	Ontario County	17.91		3,674.78	
202	12/11/07	Ontario County	18.34		3,693.12	
203	12/11/07	Ontario County	17.47		3,710.59	
204	12/11/07	Ontario County	16.55		3,727.14	
205	12/11/07	Ontario County	16.80		3,743.94	
206	12/11/07	Ontario County	17.42		3,761.36	
207	12/11/07	Ontario County	17.38		3,778.74	
208	12/11/07	Ontario County	15.50		3,794.24	

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
209	12/11/07	Ontario County	14.64		3,808.88	
210	12/11/07	Ontario County	16.11		3,824.99	
211	12/11/07	Ontario County	15.98		3,840.97	
212	12/11/07	Ontario County	15.77		3,856.74	
213	12/11/07	Ontario County	14.47		3,871.21	
214	12/11/07	Ontario County	15.87		3,887.08	
215	12/11/07	Ontario County	17.73		3,904.81	
216	12/11/07	Ontario County	16.56		3,921.37	
217	12/11/07	Ontario County	15.66		3,937.03	
218	12/11/07	Ontario County	14.70		3,951.73	
219	12/11/07	Ontario County	10.68	754.15	3,962.41	48
220	12/12/07	Ontario County	17.22		3,979.63	
221	12/12/07	Ontario County	15.63		3,995.26	
222	12/12/07	Ontario County	16.90		4,012.16	
223	12/12/07	Ontario County	16.11		4,028.27	
224	12/12/07	Ontario County	17.89		4,046.16	
225	12/12/07	Ontario County	16.06		4,062.22	
226	12/12/07	Ontario County	16.09		4,078.31	
227	12/12/07	Ontario County	15.86		4,094.17	
228	12/12/07	Ontario County	16.68		4,110.85	
229	12/12/07	Ontario County	16.80		4,127.65	
230	12/12/07	Ontario County	18.05		4,145.70	
231	12/12/07	Ontario County	17.11		4,162.81	
232	12/12/07	Ontario County	20.20		4,183.01	
233	12/12/07	Ontario County	17.51		4,200.52	
234	12/12/07	Ontario County	15.21		4,215.73	
235	12/12/07	Ontario County	19.24		4,234.97	
236	12/12/07	Ontario County	17.65		4,252.62	
237	12/12/07	Ontario County	18.43		4,271.05	
238	12/12/07	Ontario County	17.92		4,288.97	
239	12/12/07	Ontario County	17.96		4,306.93	
240	12/12/07	Ontario County	15.02		4,321.95	
241	12/12/07	Ontario County	17.07		4,339.02	
242	12/12/07	Ontario County	16.79		4,355.81	
243	12/12/07	Ontario County	17.52		4,373.33	

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
244	12/12/07	Ontario County	17.22		4,390.55	
245	12/12/07	Ontario County	18.76		4,409.31	
246	12/12/07	Ontario County	18.34		4,427.65	
247	12/12/07	Ontario County	12.44		4,440.09	
248	12/12/07	Ontario County	17.14		4,457.23	
249	12/12/07	Ontario County	17.08		4,474.31	
250	12/12/07	Ontario County	17.74		4,492.05	
251	12/12/07	Ontario County	15.21		4,507.26	
252	12/12/07	Ontario County	16.65		4,523.91	
253	12/12/07	Ontario County	15.08		4,538.99	
254	12/12/07	Ontario County	14.58		4,553.57	
255	12/12/07	Ontario County	15.95		4,569.52	
256	12/12/07	Ontario County	17.03		4,586.55	
257	12/12/07	Ontario County	18.22		4,604.77	
258	12/12/07	Ontario County	17.45		4,622.22	
259	12/12/07	Ontario County	17.57		4,639.79	
260	12/12/07	Ontario County	18.80		4,658.59	
261	12/12/07	Ontario County	17.56		4,676.15	
262	12/12/07	Ontario County	12.83		4,688.98	
263	12/12/07	Ontario County	14.12		4,703.10	
264	12/12/07	Ontario County	13.82		4,716.92	
265	12/12/07	Ontario County	15.81		4,732.73	
266	12/12/07	Ontario County	13.48		4,746.21	
267	12/12/07	Ontario County	16.90		4,763.11	
268	12/12/07	Ontario County	16.67		4,779.78	
269	12/12/07	Ontario County	13.51		4,793.29	
270	12/12/07	Ontario County	14.76		4,808.05	
271	12/12/07	Ontario County	17.74		4,825.79	
272	12/12/07	Ontario County	16.25		4,842.04	
273	12/12/07	Ontario County	19.14		4,861.18	
274	12/12/07	Ontario County	17.59		4,878.77	
275	12/12/07	Ontario County	14.30		4,893.07	
276	12/12/07	Ontario County	16.80	947.46	4,909.87	57
277	12/13/07	Ontario County	17.56		4,927.43	
278	12/13/07	Ontario County	18.25		4,945.68	

#	Date	Disposal Facility	Weight tons	Tons/Date	Acc. Tons	Loads/date
279	12/13/07	Ontario County	17.47		4,963.15	
280	12/13/07	Ontario County	17.63		4,980.78	
281	12/13/07	Ontario County	17.67		4,998.45	
282	12/13/07	Ontario County	18.06		5,016.51	
283	12/13/07	Ontario County	14.88		5,031.39	
284	12/13/07	Ontario County	18.70		5,050.09	
285	12/13/07	Ontario County	17.49		5,067.58	
286	12/13/07	Ontario County	16.84		5,084.42	
287	12/13/07	Ontario County	19.09		5,103.51	
288	12/13/07	Ontario County	17.03		5,120.54	
289	12/13/07	Ontario County	18.32		5,138.86	
290	12/13/07	Ontario County	13.01		5,151.87	
291	12/13/07	Ontario County	14.47		5,166.34	
292	12/13/07	Ontario County	18.65		5,184.99	
293	12/13/07	Ontario County	16.86		5,201.85	
294	12/13/07	Ontario County	17.40		5,219.25	
295	12/13/07	Ontario County	18.47		5,237.72	
296	12/13/07	Ontario County	16.49		5,254.21	
297	12/13/07	Ontario County	16.68		5,270.89	
298	12/13/07	Ontario County	14.87		5,285.76	
299	12/13/07	Ontario County	15.48		5,301.24	
300	12/13/07	Ontario County	16.93	408.30	5,318.17	24
		Average C&D	17.73	tns/ld		
		Seneca Meadows	638.23	total tons		
		Ontario County	4,679.94	total tons		

APPENDIX C

AIR MONITORING RESULTS

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

PERSONAL AIR SAMPLING REPORT

Client: Sessler Wrecking

Job No.: 19632-07

Location: SADA Building 2106

Page: 1 of 2

Client Job No: Not Provided

Lab ID No.	Date Sampled	Worker Name	Social Sec. Number	Elapsed (Minutes)	Flow (L/min)	Total (L)	Fibers (PER 100)	Fibers PER mm2	Fibers PER cc
114451	10/9/2007	Jeff Sessler	N/A	600	2.0	1200.0	7.5	9.6	<0.01

ELAP ID No.: 10958

The sampling data was supplied by the client. PARADIGM Environmental Services, Inc. does not guarantee the reliability of the client's data. Samples were analyzed according to the OSHA Reference method.

Comments:

Date Analyzed: 10/10/2007

Microscope: Olympus BH-2 #221113

Analyst: *D. Bell*

Laboratory Results Approved By:

Asbestos Technical Director Mary Dohr

PAGE 02/02

PARADIGM ENVIRONMENTAL SERVICES, INC.

178 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
SADA Bldg. 2105

CHAIN OF CUSTODY

19632-07

REPORT TO:		INVOICE TO:			
COMPANY:	Sessler Wrecking	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	1257 Rt. 96N	ADDRESS:			
CITY:	Waterloo STATE: NY ZIP: ####	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	315-539-3153 FAX: 315-539-3967	PHONE:	FAX:	STD	OTHER
ATTN:	Chris Shaffer	ATTN:		X 1	2 3 5
COMMENTS:	Personal asbestos air sample			Quotation #	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBER	REMARKS: Fibers/sq mm filters	REMARKS: Fibers/cc	PARADIGM LAB SAMPLE NUMBER
1	10/09/07				Personal asbestos air from Jeff Sessler			7.5	6.01	114451
2					on-7:30 am } Duration = 600					
3					off-5:30 pm }					
4					flow-2 l/min } Volume = 1200					
5										
6										
7										
8										
9										
10										

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

Chris Shaffer	10/09/07 11:30am	Total Cost:	
Sampled By	Date/Time		
Relinquished By	10/10/07 Date/Time		
Received By	10/10/07 1440 Date/Time	P.I.F.	
Received @ Lab By	10/10/07 Date/Time		

10/11/2007 08:37 15856473311

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

PERSONAL AIR SAMPLING REPORT

Client: Sessler Wrecking
Job No.: 22125-07

Location: 1257 Route 96N Waterloo, NY BLDG. 2207
Page: 1 of 2

Client Job No: Not Provided

Lab ID No.	Date Sampled	Worker Name	Social Sec. Number	Elapsed (Minutes)	Flow (L/min)	Total (L)	Fibers (PER 100)	Fibers PER mm2	Fibers PER cc
127507	11/1/2007	J. Sessler	Not Provided	450	2.0	900.0	8	10.2	<0.01

ELAP ID No.: 10958

The sampling data was supplied by the client. PARADIGM Environmental Services, Inc. does not guarantee the reliability of the client's data. Samples were analyzed according to the OSHA Reference method.

Comments:

Date Analyzed: 11/15/2007
Microscope: Olympus BH-2 #221113
Analyst: D. Bell

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

PAGE 03/03

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
Persons BADA bldg. 2207

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Sessler Wrecking	COMPANY: Same	LAB PROJECT #: / CLIENT PROJECT #:
ADDRESS: 1257 Rt. 96N	ADDRESS:	
CITY: Waterloo STATE: NY ZIP: 13165	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 315-539-3353 FAX: 315-539-3987	PHONE: FAX:	STD / OTHER
ATTN: Chris Shaffer	ATTN:	X 1 2 3 5
COMMENTS: Personal asbestos air sample		Quotation #

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBER	Volume	REMARKS		PARADIGM LAB SAMPLE NUMBER
1	11/1/07				Personal asbestos air from Jeff Sessler				fibers/100 fields	fibers/cc	
2		12:50?			on-10:00 am > 900			900	8	2.01	
3					off-5:30 pm						
4					Box-2 filters						
5											
6											
7											
8											
9											
10											

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

Jeff Sessler — 11/01/07 10:00am
Sampled By — Date/Time

[signature] — 11/15/07 10:15
Relinquished By — Date/Time

[signature] — 11/15/07
Received By — Date/Time

Received @ Lab By — Date/Time

Analyzed by: [signature] 11/15/07

Total Cost:

P.I.F.

11/15/2007 15:38 15856473311

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

PERSONAL AIR SAMPLING REPORT

Client: Sessler Wrecking

Bldg 340 & 345

Job No.: 0139-08

Location: 1257 Rt. 96 N
Waterloo, New York

Page: 1 of 2

Client Job No: Not Provided

Lab ID No.	Date Sampled	Worker Name	Social Sec. Number	Elapsed (Minutes)	Flow (L/min)	Total (L)	Fibers (PER 100)	Fibers PER mm2	Fibers PER cc
973	11/19/2007	J. Sessler	Not Provided	240	2.0	480.0	5	<7.0	<0.01
974	11/26/2007	J. Sessler	Not Provided	510	2.0	1020.0	0.5	<7.0	<0.01

ELAP ID No.: 10958

The sampling data was supplied by the client. PARADIGM Environmental Services, Inc. does not guarantee the reliability of the client's data. Samples were analyzed according to the OSHA Reference method.

Comments:

Date Analyzed: 1/7/2008
Microscope: Olympus BH-2 #221113
Analyst: *B. Liberatore*

Laboratory Results Approved By:
Asbestos Technical Director Mary Dohr

File ID: 139-08.xls

1/29/2008

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997

SADA warehouses

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	Sessler Wrecking	COMPANY:	Same	LAB PROJECT #: 0139-08	CLIENT PROJECT #:
ADDRESS:	1257 Rt. 96N	ADDRESS:			
CITY: Waterloo	STATE: NY ZIP: ###	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE: 315-539-3353	FAX: 315-539-3967	PHONE:	FAX:	STD	OTHER
ATTN: Chris Shaffer		ATTN:		X 1 ☐ 2 ☐ 3 ☐ 5	☐
COMMENTS: Personal lead air sample				Quotation #	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	11/19/07				Personal asbestos air from Jeff Sessler			fibers/fields	
2	0973				on-1:00 pm			5	
3	BLDG 3/5				off-5:00 pm				
4					flow -2 liters				
5									
6	11/26/07				Personal asbestos air from Jeff Sessler				
7	974				on-7:00 am			0.5	
8	BLDG 3/5				off-3:30 pm				
9					flow -2 liters				
10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

Sampled By: Sessler — Date/Time:

Relinquished By: CHRIS SHAFFER — Date/Time: 12/14/07

Received By: — Date/Time: 1/4/08 10:32

Received @ Lab By: — Date/Time: 1/7/08

Analyzed: Krian Derstine 1/7/08

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 585-647-2530 FAX 585-647-3311

PERSONAL AIR SAMPLING REPORT

Client: Sessler Wrecking

Location: 1257 Route 96N Waterloo, NY

Client Job No: Not Provided

TB-D6's 2074, 2075

Job No.: 22124-07

Page: 1 of 2

Lab ID No.	Date Sampled	Worker Name	Social Sec. Number	Elapsed (Minutes)	Flow (L/min)	Total (L)	Fibers (PER 100)	Fibers PER mm2	Fibers PER cc
127505	11/12/2007	J. Sessler	Not Provided	150	2.0	300.0	0.5	<7.0	<0.01
127506	11/13/2007	J. Sessler	Not Provided	630	2.0	1260.0	6.5	8.3	<0.01

ELAP ID No.: 10958

The sampling data was supplied by the client. PARADIGM Environmental Services, Inc. does not guarantee the reliability of the client's data. Samples were analyzed according to the OSHA Reference method.

Comments:

Date Analyzed: 11/15/2007
Microscope: Olympus BH-2 #221113
Analyst: *D. Bell*

Laboratory Results Approved By: _____
Asbestos Technical Director Mary Dohr

PAGE 03/03

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
Parsons SAIC bldg. 2287,2074, 2075

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:			
COMPANY:	Sessler Wrecking	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	1257 Rt. 96N	ADDRESS:			
CITY:	Waterloo STATE: NY ZIP: 666	CITY:	STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)	
PHONE:	315-539-3353 FAX: 315-539-3567	PHONE:	FAX:	STD	OTHER
ATTN:	Chris Shaffer	ATTN:		X 1	2 3 5
COMMENTS:	Personal asbestos air sample			Quotation #	

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	Volume	REMARKS: fibers/100 fields	REMARKS: fibers/cc	PARADIGM LAB SAMPLE NUMBER
1	11/12/07				Background Air			200	0.5	2.01	
2	127 505				on-3:00 pm						
3					off-5:30 pm						
4					flow -2 liters						
5	11/13/07				Personal asbestos air from Jeff Sessler						
6	506				on-7:00 am			1260	6.5	2.01	
7					off-5:30 pm						
8					flow -2 liters						
9											
10											

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments:		

Jeff Sessler 11/[illegible]/07 10:00am
Sampled By Date/Time

Chris Shaffer 11/15/07 10:15
Relinquished By Date/Time

Total Cost:

Received By Date/Time

P.I.F.

Received @ Lab By 11/15/07
Date/Time

Analyzed by: 11/15/07

11/20/2007 10:40 15856479311