

FINAL REMOVAL ASSESSMENT SAMPLING TRIP REPORT

SITE NAME: 18 Mile Creek Site
DC No.: RST2-02-F-2281
TDD No.: TO-0027-0122

SAMPLING DATES: November 15 and 16, 2012

EPA ID NO.: NYN000206456

1. Site Location: 198-300 Mill Street, Lockport, Niagara County, New York
(Refer to Attachment A, Figure 1 - Site Location Map)

2. Sample Summary:

On November 15 and 16, 2012, Weston Solutions, Inc., Removal Support Team 2 (RST 2) collected a total of 28 bulk samples from locations at the former Flintkote Building located on the 18 Mile Creek Site (the Site). The 28 bulk samples were submitted to EMSL Analytical, Inc. (EMSL) for asbestos analysis via Polarized Light Microscopy (PLM) by NYS ELAP Method 198.1 for friable asbestos, NYS ELAP Method 198.6 for non-friable asbestos, and asbestos analysis via Transmission Electron Microscopy (TEM) by NYS ELAP Method 198.4. Refer to Attachment B, Table 1 for the Sample Collection Information and Results Summary.

3. Laboratory Receiving Samples:

Sample Matrix	Analyses	Laboratory
Bulk	Asbestos	EMSL Analytical, Inc. 490 Rowley Road Depew, New York 14043

4. Sample Dispatch Data:

On November 16, 2012, RST 2 hand-delivered 28 bulk samples to the EMSL laboratory located in Depew, New York, for asbestos analysis under Chain of Custody Record No.: 2-111612-145002-0001. Refer to Attachment C for a copy of the Chain of Custody Record.

5. On-Site Personnel:

Name	Representing	Duties On-Site
Terry Kish	EPA, Region II	On-Scene Coordinator (OSC)
Michael Garibaldi	RST 2	Site Project Manager, Site Health & Safety, Sample Collection, Sample Management, Site QA/QC
Matthew Joyce	Paradigm Environmental Services, Inc./ Envoy Environmental Consultants, Inc.	Asbestos Inspector, Sample Collection, Site Documentation

6. Site Background and Description:

The Site is an abandoned industrial property approximately six acres in size located in a primarily residential area at 198-300 Mill Street in the City of Lockport, Niagara County, New York. The Site is situated along the eastern bank of 18 Mile Creek and is bordered by commercial property to the north, vacant land to the south, Mill Street to the east, and 18 Mile Creek to the west.

In March 2012, the Site was added to the National Priorities List (NPL). Among many other properties, the NPL listing includes the former Flintkote property. The former Flintkote property includes a badly deteriorated building which used to derive power from the adjacent 18 Mile Creek. Anecdotal information indicates that polychlorinated biphenyl (PCB) containing wastes may have been discharged in such a manner that a significant source of PCBs remains underneath the building. The condition of the building prevents such an assessment, thus the building will be demolished.

7. Removal Assessment Summary:

On November 15 and 16, 2012, RST 2 conducted a Removal Assessment of the Site including a pre-demolition asbestos survey and bulk asbestos sampling of the former Flintkote Building. Prior to the site work, RST 2 prepared and submitted a Site-Specific Health and Safety Plan (HASP) and Quality Assurance Project Plan (QAPP) to the U.S. Environmental Protection Agency (EPA) On-Scene Coordinator (OSC). RST 2 subcontracted a local environmental firm, # Paradigm Environmental Services, Inc. (Paradigm), to provide a New York State Department of Labor (DOL) certified Asbestos Inspector to conduct a limited asbestos survey at the former Flintkote Building in accordance with the NYS Code Rule 56 and the asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAPS). The Asbestos Inspector was provided by Envoy Environmental Consultants, Inc., a subcontractor for Paradigm.

RST 2 met with the Asbestos Inspector and the EPA OSC at the Site and held a tailgate health and safety and site operations briefing each day prior to commencing the asbestos survey and bulk sampling activities. During the asbestos survey, the Asbestos Inspector identified the Suspect Asbestos-Containing Material (SACM) locations for bulk sampling at the former Flintkote Building. RST 2 collected bulk samples of the SACM throughout the interior and exterior of the former Flintkote Building including pipe insulation, floor, wall and ceiling tile/debris, process waste, boiler jacket, fire brick, ash/residue, flashing, roofing tile, and other suspect materials. All samples were collected by hand using dedicated nitrile gloves and immediately transferred into double plastic bags and labeled for the laboratory asbestos analysis.

RST 2 collected a total of 28 bulk samples of SACM identified by the Asbestos Inspector from the former Flintkote Building. The bulk samples were submitted to an RST 2-procured laboratory for asbestos analysis using a screening data with definitive confirmation analytical objective. Samples that were analyzed for PLM and reported at less than one percent were also analyzed for TEM. The screening data was used to identify and confirm the presence of asbestos at the Site. Following the sampling activities, RST 2 completed sample management using

EPA's Scribe Sample Management software. From this system, sample labels and the chain of custody forms were prepared and printed. Refer to Attachment D for a copy of the validated laboratory data.

Upon completion of the asbestos survey, Paradigm prepared an asbestos survey report detailing the identification, location, and approximate quantities of the SACM found at the Site as well as the condition of the materials including whether they are friable or non-friable. Refer to Attachment E for a copy of the Asbestos Survey Report.

8. Analytical Results Discussion:

Based on the analytical results, elevated percentages of chrysotile asbestos were detected in bulk materials sampled at the Site. Analytical results for asbestos via PLM of the bulk samples were non-detected except for Sample Nos. P001-BULK-007-001 (1.1% chrysotile), P001-BULK-016-001 (10.7% chrysotile), P001-BULK-024-001 (36.4% chrysotile), and P001-BULK-028-001 (9.3% chrysotile). Analytical results of the bulk samples for asbestos via TEM were non-detected except for Sample No. P001-BULK-019-001 (<1.0% Anthophyllite).

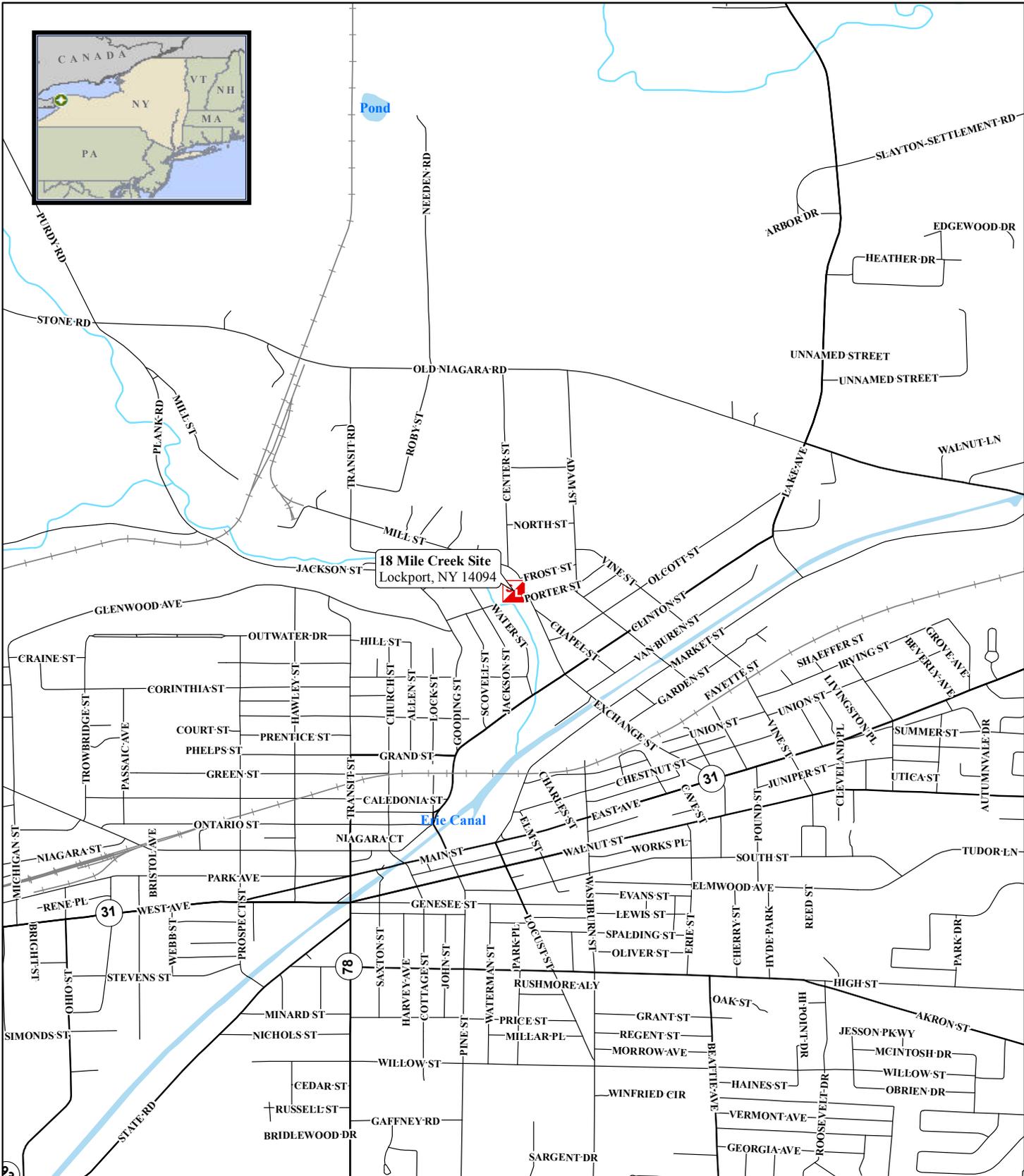
For reference purposes of this report, Attachment A contains the Site Location Map (Figure 1); Attachment B contains the Sample Collection Information and Results Summary (Table 1); Attachment C contains the Chain of Custody Record; Attachment D contains the validated laboratory data; Attachment E contains the Asbestos Survey Report; and Attachment F contains the Photo Documentation Log.

9. Report Prepared by: Michael Garibaldi Date: 1/29/13
Michael Garibaldi
RST 2 Site Project Manager

Report Reviewed by: Timothy Benton Date: 1/29/13
Timothy Benton, CHMM
RST 2 Operations Leader

ATTACHMENT A

Figure 1: Site Location Map



Legend

S1 Site Location

Note: Former Flintkote Building/Property Site

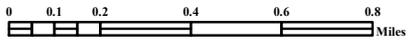


Weston Solutions, Inc.
Northeast Division

In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 1:
Site Location Map
18 MILE CREEK SITE
LOCKPORT, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072



DATE MODIFIED: 11/6/2013

GIS ANALYST:	T. BENTON
EPA OSC:	T. KISH
RST SPM:	M. GARIBALDI
FILENAME:	SITE LOCATION MAP.MXD

ATTACHMENT B

Table 1: Sample Collection Information and Results Summary

**Table 1 - Sample Collection Information and Results Summary
18 Mile Creek Site - Removal Assessment, November 15 - 16, 2012
Lockport, New York**

RST 2 Sample ID	Sample Date	Sample Time	Sample Matrix	Sample Description/Location	Analytical Parameter	Result (Asbestos)
P001-BULK-001-001	11/15/2012	0940	SACM	residue from column, Area E basement	Asbestos, PLM	No Asbestos Detected
P001-BULK-002-001	11/15/2012	0948	SACM	residue from column, Area E basement	Asbestos, PLM	No Asbestos Detected
P001-BULK-003-001	11/15/2012	1000	SACM	process waste/lint, Area E basement	Asbestos, PLM	None Detected
P001-BULK-004-001	11/15/2012	1012	SACM	cloth/fabric-overhead, Area E, 1st floor	Asbestos, PLM	None Detected
P001-BULK-005-001	11/15/2012	1025	SACM	debris waste from baghouse, Area E	Asbestos, PLM	None Detected
P001-BULK-006-001	11/15/2012	1033	SACM	concrete chip, roofing panel, Area D	Asbestos, PLM	None Detected
P001-BULK-007-001	11/15/2012	1045	SACM	roofing material, Area D, 1st floor	Asbestos, PLM	1.1% Chrysotile
P001-BULK-008-001	11/15/2012	1054	SACM	pipe insulation, Area D basement	Asbestos, PLM	No Asbestos Detected
P001-BULK-009-001	11/15/2012	1107	SACM	pipe insulation, Area C basement	Asbestos, PLM	No Asbestos Detected
P001-BULK-010-001	11/15/2012	1118	SACM	pipe gasket, Area D basement	Asbestos, PLM	No Asbestos Detected
P001-BULK-011-001	11/15/2012	1125	SACM	wall lint, Area D sub-basement	Asbestos, PLM	None Detected
P001-BULK-012-001	11/15/2012	1137	SACM	ash/debris inside boiler, Area F2	Asbestos, PLM	None Detected
P001-BULK-013-001	11/15/2012	1133	SACM	fire brick inside boiler, Area F2	Asbestos, PLM	None Detected
P001-BULK-014-001	11/15/2012	1146	SACM	boiler jacket insulation, Area F2	Asbestos, PLM	None Detected
P001-BULK-015-001	11/15/2012	1151	SACM	boiler jacket insulation, Area F2	Asbestos, PLM	No Asbestos Detected
P001-BULK-016-001	11/15/2012	1202	SACM	roofing material, Area F2, catwalk	Asbestos, PLM	10.7% Chrysotile
P001-BULK-017-001	11/15/2012	1210	SACM	plaster, Area F2, catwalk	Asbestos, PLM	None Detected
P001-BULK-018-001	11/15/2012	1236	SACM	fire brick, stack/ Silo exterior	Asbestos, PLM	None Detected
P001-BULK-019-001	11/15/2012	1345	SACM	window glazing, Area A basement	Asbestos, PLM	No Asbestos Detected
P001-BULK-020-001	11/15/2012	1412	SACM	pipe insulation, Area A, ceiling	Asbestos, PLM	No Asbestos Detected
P001-BULK-021-001	11/15/2012	1425	SACM	pipe mastic, Area A basement	Asbestos, PLM	No Asbestos Detected
P001-BULK-022-001	11/15/2012	1438	SACM	anti-vibration cloth, Area C basement	Asbestos, PLM	None Detected
P001-BULK-023-001	11/16/2012	0926	SACM	wall plaster, Area B basement	Asbestos, PLM	None Detected
P001-BULK-024-001	11/16/2012	0954	SACM	pipe insulation, Area C basement	Asbestos, PLM	36.4% Chrysotile
P001-BULK-025-001	11/16/2012	1015	SACM	floor tile, Area A, 1st floor	Asbestos, PLM	No Asbestos Detected
P001-BULK-026-001	11/16/2012	1017	SACM	mastic- floor tile, Area A 1st floor	Asbestos, PLM	No Asbestos Detected
P001-BULK-027-001	11/16/2012	1035	SACM	roofing tile, Area E	Asbestos, PLM	No Asbestos Detected
P001-BULK-028-001	11/16/2012	1050	SACM	flashing/roofing, Area D, exterior	Asbestos, PLM	9.3% Chrysotile

PLM - Polarized Light Microscopy

**Table 1 - Sample Collection Information and Results Summary
18 Mile Creek Site - Removal Assessment, November 15 - 16, 2012
Lockport, New York**

RST 2 Sample ID	Sample Date	Sample Time	Sample Matrix	Sample Description/Location	Analytical Parameter	Result (Asbestos)
P001-BULK-001-001	11/15/2012	0940	SACM	residue from column, Area E basement	Asbestos, TEM	No Asbestos Detected
P001-BULK-002-001	11/15/2012	0948	SACM	residue from column, Area E basement	Asbestos, TEM	No Asbestos Detected
P001-BULK-007-001	11/15/2012	1045	SACM	roofing material, Area D, 1st floor	Asbestos, TEM	Not Analyzed
P001-BULK-008-001	11/15/2012	1054	SACM	pipe insulation, Area D basement	Asbestos, TEM	No Asbestos Detected
P001-BULK-009-001	11/15/2012	1107	SACM	pipe insulation, Area C basement	Asbestos, TEM	No Asbestos Detected
P001-BULK-010-001	11/15/2012	1118	SACM	pipe gasket, Area D basement	Asbestos, TEM	No Asbestos Detected
P001-BULK-015-001	11/15/2012	1151	SACM	boiler jacket insulation, Area F2	Asbestos, TEM	No Asbestos Detected
P001-BULK-016-001	11/15/2012	1202	SACM	roofing material, Area F2, catwalk	Asbestos, TEM	Not Analyzed
P001-BULK-019-001	11/15/2012	1345	SACM	window glazing, Area A basement	Asbestos, TEM	<1% Anthophyllite
P001-BULK-020-001	11/15/2012	1412	SACM	pipe insulation, Area A, ceiling	Asbestos, TEM	No Asbestos Detected
P001-BULK-021-001	11/15/2012	1425	SACM	pipe mastic, Area A basement	Asbestos, TEM	No Asbestos Detected
P001-BULK-025-001	11/16/2012	1015	SACM	floor tile, Area A, 1st floor	Asbestos, TEM	No Asbestos Detected
P001-BULK-026-001	11/16/2012	1017	SACM	mastic- floor tile, Area A 1st floor	Asbestos, TEM	No Asbestos Detected
P001-BULK-027-001	11/16/2012	1035	SACM	roofing tile, Area E	Asbestos, TEM	No Asbestos Detected
P001-BULK-028-001	11/16/2012	1050	SACM	flashing/roofing, Area D, exterior	Asbestos, TEM	Not Analyzed

TEM - Transmission Electron Microscopy

ATTACHMENT C

Chain of Custody Record

Weston Solutions, Inc.- RST 2
 EPA Contract Number: EP-W-06-072
 Hand-delivered
 Date: 11/16/2012

CHAIN OF CUSTODY RECORD
 RFP# 247
 Contact Name: Mike Garibaldi
 Contact Phone: 908-565-2971

141205681
 No: 2-111612-145002-0001
 Cooler #: 1
 Lab: EMSL Analytical, Inc.
 Lab Phone: 716-651-0030

Lab #	Sample #	Location	Collected	Sample Time	Sample Type	Collection Method	Numb Cont	Container	Analyses
	P001-BULK-001-001	P001-BULK-001	11/15/2012	09:40	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-002-001	P001-BULK-002	11/15/2012	09:48	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-003-001	P001-BULK-003	11/15/2012	10:00	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-004-001	P001-BULK-004	11/15/2012	10:12	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-005-001	P001-BULK-005	11/15/2012	10:25	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-006-001	P001-BULK-006	11/15/2012	10:33	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-007-001	P001-BULK-007	11/15/2012	10:45	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-008-001	P001-BULK-008	11/15/2012	10:54	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-009-001	P001-BULK-009	11/15/2012	11:07	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-010-001	P001-BULK-010	11/15/2012	11:18	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-011-001	P001-BULK-011	11/15/2012	11:25	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-012-001	P001-BULK-012	11/15/2012	11:37	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-013-001	P001-BULK-013	11/15/2012	11:33	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-014-001	P001-BULK-014	11/15/2012	11:46	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-015-001	P001-BULK-015	11/15/2012	11:51	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-016-001	P001-BULK-016	11/15/2012	12:02	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-017-001	P001-BULK-017	11/15/2012	12:10	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-018-001	P001-BULK-018	11/15/2012	12:36	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-019-001	P001-BULK-019	11/15/2012	13:45	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N

Special Instructions: Analyze samples at 1 week turnaround time for written results.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all analysis	Mike Garibaldi	11/16/12									
	Jr	11/16/12			6:05pm						

Weston Solutions, Inc. - RST 2
 EPA Contract Number: EP-W-06-072
 Hand-delivered
 Date: 11/16/2012

CHAIN OF CUSTODY RECORD

RFP# 247
 Contact Name: Mike Garibaldi
 Contact Phone: 908-565-2971

141205681

No: 2-111612-145002-0001

Cooler #: 1
 Lab: EMSL Analytical, Inc.
 Lab Phone: 716-651-0030

Lab #	Sample #	Location	Collected	Sample Time	Sample Type	Collection Method	Numb Cont	Container	Analyses
	P001-BULK-020-001	P001-BULK-020	11/15/2012	14:12	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-021-001	P001-BULK-021	11/15/2012	14:25	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-022-001	P001-BULK-022	11/15/2012	14:38	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-023-001	P001-BULK-023	11/16/2012	09:26	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-024-001	P001-BULK-024	11/16/2012	09:54	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-025-001	P001-BULK-025	11/16/2012	10:15	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-026-001	P001-BULK-026	11/16/2012	10:17	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-027-001	P001-BULK-027	11/16/2012	10:35	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-028-001	P001-BULK-028	11/16/2012	10:50	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N

Special Instructions: Analyze samples at 1 week turnaround time for written results.

SAMPLES TRANSFERRED FROM
 CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analysis	Mike Garibaldi	11/16/12									
	JR	11/16/12			6:55 PM						

ATTACHMENT D

Validated Laboratory Data



Weston Solutions, Inc.
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax 732-225-7037
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

RST 2-02-F-2259

TRANSMITTAL MEMO

To: Mr. Terry Kish, On-Scene Coordinator
Removal Action Branch
U.S. EPA, Region II

From: Smita Sumbaly, Data Reviewer
RST 2, Region II

Subject: 18 Mile Creek Site
Data Validation Assessment

Date: January 17, 2013

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

Asbestos PLM	28 Samples
Asbestos TEM	12 Samples
- Matrices and Number of Samples

Asbestos Bulk	28 Samples
---------------	------------
- Sampling Dates: November 15 and 16, 2012

The final data assessment narrative and original analytical data package are attached.

cc: RST 2 SPM: Michael Garibaldi
RST 2 SITE FILE TDD #: TO-0027-0122
RST 2 ANALYTICAL TDD #: TO-0027-0124
TASK#: 6148



U. S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: January 17, 2013

TO: Terry Kish, OSC
U. S. EPA, Region II

FROM: Smita Sumbaly
RST 2 Data Reviewer

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to EPA standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Blanks
Spectra Matching Quality	DFTPP and BFB Tuning
Surrogate Spikes	Chromatography
Matrix Spikes/Duplicates	Holding Times
Calibration	Compound ID (HSL, TIC)

Any statistical measures used to support the following conclusions are attached so that the review may be reviewed by others.

Summary of Results

	I <u>Asbestos</u> <u>PLM</u>	II <u>Asbestos</u> <u>TEM</u>
Acceptable as Submitted	<u>X</u>	<u>X</u>
Acceptable with Comments	_____	_____
Unacceptable, Action Pending	_____	_____
Unacceptable	_____	_____

Data Reviewed by: Smita Sumbaly  Date: 1/17/2013

Approved By:  Date: 1/17/13

Area Code/Phone No.: (732) 585-4410

NARRATIVE

PCS No. 6148

SITE NAME: 18 mile Creek Site
198-300 Mill Road, Lockport
Niagara County, New York

Laboratory Name: EMSL Analytical, Inc., 490 Rowley Road, Depew, New York

INTRODUCTION:

The laboratory's portion consists of 28 Bulk Presumed Asbestos Containing Materials (PACM) samples, for Asbestos analyses. All samples were collected on November 15 and 16, 2012. The laboratory Order Number is: 141205681.

The laboratory reported No problem(s) with the receipt of these samples.

The laboratory reported No problems with the analyses of PLM or TEM Asbestos.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Appropriate Form Is and Chain of Custody have been copied from the original data package and appended to the data assessment narrative for reference.

I. Asbestos:

- Y Holding Time
- Y Replicate Results
- Y Refractive Index Oil Calibration Worksheet
- Y Daily PLM Checklist
- Y Data Completeness

Comments:

1. Refer to Data Assessment Narrative.

Title: Evaluation of Asbestos Data
Data Assessment Narrative

RFP #: 247/Task#: 6148

Site: 18 Mile Creek Site

Contractor: WESTON-RST 2

Reviewer: SMITA SUMBALY

Matrix/No. of Samples: Bulk/28

A.2.1 Validation Flags-

The following flags have been applied in red by the data validator and must be considered by the data user.

J-

This flag indicates the result qualified as estimated.

Red- Line-

A red-line drawn through a sample result indicates an unusable value. The red-lined data are known to contain significant errors based on documented information and must not be used by the data user.

Fully Usable Data-

The results that do not carry "J" or "red-line" are fully usable.

A.2.2 The data assessment is given below and on the attached sheets.

On November 15 and 16, 2012, U.S. EPA Region II, RST 2 personnel collected 28 bulk samples, from the 18 Mile Creek Site, 198-300 Mill Street, Lockport, Niagara County, New York. On November 16, 2012, all the samples were hand-delivered to EMSL Analytical laboratory, 490 Rowley Road, Depew, New York. The laboratory verified that the samples were received intact and properly custody sealed.

Thirteen friable bulk PACM samples were analyzed by Polarized Light Microscopy (PLM) using the procedures from the PLM NYS ELAP 198.1 Method. Data was reported as percent asbestos. The quantification limit for the method is <1.0%.

Fifteen non-friable bulk PACM samples were analyzed by Polarized Light Microscopy (PLM) using the procedures from the PLM NYS ELAP 198.6 Method. Data was reported as percent asbestos. Out of 15 non-friable samples, 12 samples were reported as <1.0% or Inconclusive, therefore laboratory performed the confirmation analysis by Transmission Electron Microscopy (TEM) using the procedure from TEM NYS ELAP 198.4 Method. The quantification limit for the method is <1.0%.

Title: Evaluation of Asbestos Data
Data Assessment Narrative

A.2.2 Continuation:

Client identification (ID) and laboratory ID numbers are as follows:

<u>Client ID No.</u>	<u>Laboratory ID No.</u>	<u>Matrix</u>	<u>Sampling Date</u>	<u>Analysis</u>
<u>EMSL Order No.: 141205681</u>				
P001-BULK-003-001	141205681-0003	Bulk	11/15/2012	Asbestos PLM
P001-BULK-004-001	141205681-0004	Bulk	11/15/2012	Asbestos PLM
P001-BULK-005-001	141205681-0005	Bulk	11/15/2012	Asbestos PLM
P001-BULK-006-001	141205681-0006	Bulk	11/15/2012	Asbestos PLM
P001-BULK-011-001	141205681-0011	Bulk	11/15/2012	Asbestos PLM
P001-BULK-012-001	141205681-0012	Bulk	11/15/2012	Asbestos PLM
P001-BULK-013-001	141205681-0013	Bulk	11/15/2012	Asbestos PLM
P001-BULK-014-001	141205681-0014	Bulk	11/15/2012	Asbestos PLM
P001-BULK-017-001	141205681-0017	Bulk	11/15/2012	Asbestos PLM
P001-BULK-018-001	141205681-0018	Bulk	11/15/2012	Asbestos PLM
P001-BULK-022-001	141205681-0022	Bulk	11/15/2012	Asbestos PLM
P001-BULK-023-001	141205681-0023	Bulk	11/16/2012	Asbestos PLM
P001-BULK-024-001	141205681-0024	Bulk	11/16/2012	Asbestos PLM
P001-BULK-001-001	141205681-0001	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-002-001	141205681-0002	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-007-001	141205681-0007	Bulk	11/15/2012	Asbestos PLM
P001-BULK-008-001	141205681-0008	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-009-001	141205681-0009	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-010-001	141205681-0010	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-015-001	141205681-0015	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-016-001	141205681-0016	Bulk	11/15/2012	Asbestos PLM
P001-BULK-019-001	141205681-0019	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-020-001	141205681-0020	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-021-001	141205681-0021	Bulk	11/15/2012	Asbestos PLM/TEM
P001-BULK-025-001	141205681-0025	Bulk	11/16/2012	Asbestos PLM/TEM
P001-BULK-026-001	141205681-0026	Bulk	11/16/2012	Asbestos PLM/TEM
P001-BULK-027-001	141205681-0027	Bulk	11/16/2012	Asbestos PLM/TEM
P001-BULK-028-001	141205681-0028	Bulk	11/16/2012	Asbestos PLM

Asbestos PLM analysis of Bulk by NY State ELAP 198.1:

Thirteen friable bulk samples were analyzed by PLM using the procedures from the PLM NYS ELAP 198.1 Method. All PLM data was reported on a percent asbestos basis. The quantification limit of this Method is <1%. All PLM samples were reported as non-detected, except sample No. P001-BULK-024-001 was reported as 36.40% Chrysotile asbestos.

Title: Evaluation of Asbestos Data
Data Assessment Narrative

ASBESTOS – PLM BULK SAMPLE TABULATED RESULTS-198.1

Client Sample ID Number	Laboratory Sample ID Number	Percent Fibrous	Percent Non-Fibrous	Asbestos Percent Type
EMSL Order No.: 141205681				
P001-BULK-003-001	141205681-0003	80.00% Cellulose	20.00% Non-fibrous	None Detected
P001-BULK-004-001	141205681-0004	80.00% Cellulose	20.00% Non-fibrous	None Detected
P001-BULK-005-001	141205681-0005	70.00% Cellulose	30.00% Non-fibrous	None Detected
P001-BULK-006-001	141205681-0006	-	100.00% Non-fibrous	None Detected
P001-BULK-011-001	141205681-0011	60.00% Synthetic	40.00% Non-fibrous	None Detected
P001-BULK-012-001	141205681-0012	-	100.00% Non-fibrous	None Detected
P001-BULK-013-001	141205681-0013	-	100.00% Non-fibrous	None Detected
P001-BULK-014-001	141205681-0014	-	100.00% Non-fibrous	None Detected
P001-BULK-017-001	141205681-0017	-	100.00% Non-fibrous	None Detected
P001-BULK-018-001	141205681-0018	-	100.00% Non-fibrous	None Detected
P001-BULK-022-001	141205681-0022	80.00% Cellulose	20.00% Non-fibrous	None Detected
P001-BULK-023-001	141205681-0023	-	100.00% Non-fibrous	None Detected
P001-BULK-024-001	141205681-0024	-	63.60% Non-fibrous	36.40% Chrysotile

Asbestos PLM analysis of Bulk by NY State ELAP 198.6:

Fifteen non-friable bulk samples were analyzed by PLM using the procedures from the PLM NYS ELAP 198.6 Method. All PLM data was reported on a percent asbestos basis. The quantification limit of this Method is <1%. Out of fifteen samples, twelve samples were reported as Inconclusive: no asbestos detected; and three samples were reported as 1.1% to 10.7% Chrysotile asbestos.

For QC purposes, the laboratory analyzed two intra-analysis, PLM analyst accuracy report/chart, PLM calibration and contamination record, calibration of common RI oil, and all QC results are acceptable.

Title: Evaluation of Asbestos Data
Data Assessment Narrative

ASBESTOS – PLM BULK SAMPLE TABULATED RESULTS-198.6

Client Sample ID Number	Laboratory Sample ID Number	Matrix Material	Percent Non-Fibrous	Asbestos Percent Type
EMSL Order No.: 141205681				
P001-BULK-001-001	141205681-0001	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-002-001	141205681-0002	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-007-001	141205681-0007	98.9% Other	None	1.1% Chrysotile 1.1% Total
P001-BULK-008-001	141205681-0008	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-009-001	141205681-0009	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-010-001	141205681-0010	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-015-001	141205681-0015	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-016-001	141205681-0016	89.3% Other	None	10.7% Chrysotile 10.7% Total
P001-BULK-019-001	141205681-0019	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-020-001	141205681-0020	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-021-001	141205681-0021	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-025-001	141205681-0025	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-026-001	141205681-0026	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-027-001	141205681-0027	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-028-001	141205681-0028	90.7% Other	None	9.3% Chrysotile 9.3% Total

Method 198.6 "Polarized-light microscopy 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." **Samples with inconclusive results must not be interpreted as being non-ACM.**

Title: Evaluation of Asbestos Data
Data Assessment Narrative

Asbestos TEM analysis of Bulk by NY State ELAP 198.4:

Out of fifteen non-friable bulk samples, twelve samples were reported as less than 1% asbestos or inconclusive. Laboratory performed the confirmation analysis on twelve samples by TEM using the procedures from the TEM NYS ELAP 198.4 Method. All TEM data was reported on a percent asbestos basis. The quantification limit of this Method is <1%. Out of twelve samples, eleven samples were reported as no asbestos detected and one sample was reported as <1% Anthophyllite.

For QC purposes, the laboratory analyzed a two intra-analysis, TEM calibration, TEM Bulk Analyst accuracy report/chart and all QC results are acceptable.

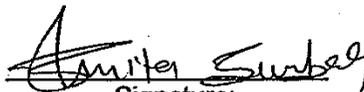
ASBESTOS – TEM BULK SAMPLE TABULATED RESULTS-198.4

Client Sample ID Number	Laboratory Sample ID Number	Matrix Material	Percent Non-Fibrous	Asbestos Percent Type
EMSL Order No.: 141205681				
P001-BULK-001-001	141205681-0001	100% Other	None	No Asbestos Detected
P001-BULK-002-001	141205681-0002	100% Other	None	No Asbestos Detected
P001-BULK-008-001	141205681-0008	100% Other	None	No Asbestos Detected
P001-BULK-009-001	141205681-0009	100% Other	None	No Asbestos Detected
P001-BULK-010-001	141205681-0010	100% Other	None	No Asbestos Detected
P001-BULK-015-001	141205681-0015	100% Other	None	No Asbestos Detected
P001-BULK-019-001	141205681-0019	100% Other	None	<1% Anthophyllite
P001-BULK-020-001	141205681-0020	100% Other	None	No Asbestos Detected
P001-BULK-021-001	141205681-0021	100% Other	None	No Asbestos Detected
P001-BULK-025-001	141205681-0025	100% Other	None	No Asbestos Detected
P001-BULK-026-001	141205681-0026	100% Other	None	No Asbestos Detected
P001-BULK-027-001	141205681-0027	100% Other	None	No Asbestos Detected

A.2.3 Contract Problem/Non-Compliance:

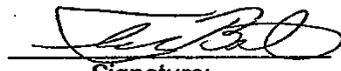
None

Contractor Reviewer:


Signature:

1/17/13
Date:

Verified by:


Signature:

1/17/13
Date:

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1. PLM Report

2. PLM Narrative

PLM Narrative

PLM Samples were prepped and analyzed via the NYSDOH-ELAP 198.1 method.

Samples were prepped for analysis using scalpel and forceps as well as appropriate RI Oil. Suspect asbestos fibers were identified using dispersion staining and the samples were quantified using visual estimation. NYS Stratified Point Count was performed according to NYSDOH-ELAP 198.1.

There were no problems encountered in the course of this project and no corrective actions taken.

Type of scopes used are Nikon Optiphot and Leica DM EP

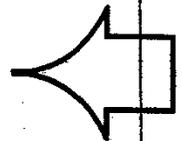
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 Analysis Date: 11/23/2012
 Collected: 11/15/2012



Project: RFP No. 247 / Side ID #ZZ / TDD# TO-0027-00xx / RST Contract #EP-W-06-072 (No. 2-111612-145002-0001)

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P001-BULK-003-001 141205681-0003	P001-BULK-003	Brown Fibrous Homogeneous	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
P001-BULK-004-001 141205681-0004	P001-BULK-004	Brown Fibrous Homogeneous	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
P001-BULK-005-001 141205681-0005	P001-BULK-005	Gray Fibrous Homogeneous	70.00% Cellulose	30.00% Non-fibrous (other)	None Detected
P001-BULK-006-001 141205681-0006	P001-BULK-006	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
P001-BULK-011-001 141205681-0011	P001-BULK-011	Black Fibrous Homogeneous	60.00% Synthetic	40.00% Non-fibrous (other)	None Detected
P001-BULK-012-001 141205681-0012	P001-BULK-012	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected

Analyst(s)

Taron Williams (13)

Rhonda McGee

Rhonda McGee, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 11/23/2012 10:29:40

Test Report PLMPTC-7.25.0 Printed: 1/8/2013 10:54:36 AM

R2-0014057



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Analysis Date: 11/23/2012
Collected: 11/15/2012

Project: RFP No. 247 / Side ID #ZZ / TDD# TO-0027-00xx / RST Contract #EP-W-06-072 (No. 2-111612-145002-0001)

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P001-BULK-013-001 141205681-0013	P001-BULK-013	Brown Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
P001-BULK-014-001 141205681-0014	P001-BULK-014	Yellow Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
P001-BULK-017-001 141205681-0017	P001-BULK-017	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
P001-BULK-018-001 141205681-0018	P001-BULK-018	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
P001-BULK-022-001 141205681-0022	P001-BULK-022	Black Fibrous Homogeneous	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
P001-BULK-023-001 141205681-0023	P001-BULK-023	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected

Analyst(s)

Taron Williams (13)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

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Test Report PLMPTC-7.25.0 Printed: 1/8/2013 10:54:36 AM



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Project: RFP No. 247 / Side ID #ZZ / TDD# TO-0027-00xx / RST Contract #EP-W-06-072 (No. 2-111612-145002-0001)

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P001-BULK-024-001 141205681-0024	P001-BULK-024	White Fibrous Homogeneous		63.60% Non-fibrous (other)	36.40% Chrysotile

Analyst(s)

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Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 11/23/2012 10:29:40

7. PLM NOB Narrative

PLM NOB Narrative

PLM NOB samples were prepped and analyzed via the NYSDOH-ELAP 198.6 method.

Organic reduction is performed on the sample by ashing (using a muffle furnace) followed by acid digestion to remove the carbonate mineral. Mass determinations are recorded after each step – determining the % loss for each type of matrix materials. The reduced sample is analyzed for asbestos following PLM analysis.

There were no problems encountered in the course of this project and no corrective actions taken.

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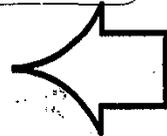
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Project: RFP No. 247 / Side ID #ZZ / TDD# TO-0027-00xx / RST Contract #EP-W-06-072 (No. 2-111612-145002-0001)

Test Report: 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
P001-BULK-001-001 141205681-0001	P001-BULK-001	Black Fibrous Heterogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-002-001 141205681-0002	P001-BULK-002	Black Fibrous Heterogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-007-001 141205681-0007	P001-BULK-007	Black Fibrous Heterogeneous	98.9% Other	None	1.1% Chrysotile 1.1% Total
P001-BULK-008-001 141205681-0008	P001-BULK-008	Black Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-009-001 141205681-0009	P001-BULK-009	Black Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-010-001 141205681-0010	P001-BULK-010	Rust Non-Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-015-001 141205681-0015	P001-BULK-015	Tan Non-Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-016-001 141205681-0016	P001-BULK-016	Black Fibrous Heterogeneous	89.3% Other	None	10.7% Chrysotile 10.7% Total

Analyst(s)

Rachel Giese (1)
 Taron Williams (14)

Rhonda McGee

Rhonda McGee, Laboratory Manager
 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 NYS ELAP 198.6 unless otherwise noted. EMSL 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 EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method limitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 11/23/2012 10:29:40

Test Report PLMNYN0B-7.27.8 Printed: 1/8/2013 3:02:24 PM

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 Fax:
 Received: 11/16/12 6:05 PM
 Analysis Date: 11/23/2012
 Collected: 11/15/2012

Project: RFP No. 247 / Side ID #ZZ / TDD# TO-0027-00xx / RST Contract #EP-W-06-072 (No. 2-111612-145002-0001)

Test Report: 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
P001-BULK-019-001 41205681-0019	P001-BULK-019	Gray Non-Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-020-001 41205681-0020	P001-BULK-020	Black Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-021-001 41205681-0021	P001-BULK-021	Black /Silver Non-Fibrous Heterogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-025-001 41205681-0025	P001-BULK-025	Gray Non-Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-026-001 41205681-0026	P001-BULK-026	Gray Non-Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-027-001 41205681-0027	P001-BULK-027	Black Fibrous Homogeneous	100% Other	None	Inconclusive: No Asbestos Detected
P001-BULK-028-001 41205681-0028	P001-BULK-028	Black Fibrous Homogeneous	90.7% Other	None	9.3% Chrysotile 9.3% Total

Analyst(s)

Rachel Giese (1)
 Taron Williams (14)

Rhonda McGee, Laboratory Manager
 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 ELAP unless otherwise noted. EMSL 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 EMSL. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method limitations. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 11/23/2012 10:29:40

Test Report PLMNNOB-7.27.8 Printed: 1/8/2013 3:02:24 PM

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R2-0014063

13. TEM NOB Narrative

TEM NOB Narrative

TEM NOB samples were prepped and analyzed via the NYSDOH-ELAP 198.4 method.

Organic reduction is performed on the sample by ashing (using a muffle furnace) followed by acid digestion to remove the carbonate mineral. Mass determinations are recorded after each step – determining the % loss for each type of matrix materials. The reduced sample is analyzed for asbestos following TEM analysis.

There were no problems encountered in the course of this project and no corrective actions taken.

Type of scope used are Hitachi H-600AB



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CustomerID: RFWES3
CustomerPO:
ProjectID: RFP 247

Mike Garibaldi
Weston Solutions (King Georges Post)
1090 King Georges Post Road
Suite 201
Edison, NJ 08837

Phone: (732) 585-4400
Fax:
Received: 11/16/12 6:05 PM
Analysis Date: 11/23/2012
Collected: 11/15/2012

Project: RFP No. 247 / Side ID #ZZ / TDD# TO-0027-00xx / RST Contract #EP-W-06-072 (No. 2-111612-145002-0001)

**Test Report: 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
P001-BULK-001-001 141205681-0001	P001-BULK-001	Black Fibrous Heterogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-002-001 141205681-0002	P001-BULK-002	Black Fibrous Heterogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-007-001 141205681-0007	P001-BULK-007	Not Analyzed				
P001-BULK-008-001 141205681-0008	P001-BULK-008	Black Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-009-001 141205681-0009	P001-BULK-009	Black Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-010-001 141205681-0010	P001-BULK-010	Rust Non-Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-015-001 141205681-0015	P001-BULK-015	Tan Non-Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-016-001 141205681-0016	P001-BULK-016	Not Analyzed				

Analyst(s)

Rachel Giese (12)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple fibers (i.e. Enoform, wallboard, etc.) are reported as a single sample.
Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 11/23/2012 10:29:40



EMSL Analytical, Inc.

490 Rowley Road, Depew, NY 14043
Phone/Fax: (716) 651-0030 / (716) 651-0394
<http://www.emsl.com> buffalolab@emsl.com

EMSL Order: 141205681
CustomerID: RFWE53
CustomerPO:
ProjectID: RFP 247

1: Mike Garibaldi
Weston Solutions (King Georges Post)
1090 King Georges Post Road
Suite 201
Edison, NJ 08837

Phone: (732) 585-4400
Fax:
Received: 11/16/12 6:05 PM
Analysis Date: 11/23/2012
Collected: 11/15/2012

Project: RFP No. 247 / Slide ID #ZZ / TDD# TO-0027-00xx / RST Contract #EP-W-06-072 (No. 2-111612-145002-0001)

**Test Report: 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
P001-BULK-019-001 141205681-0019	P001-BULK-019	Gray Non-Fibrous Homogeneous	100.0% Other	None	<1% Anthophyllite	<1
P001-BULK-020-001 141205681-0020	P001-BULK-020	Black Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-021-001 141205681-0021	P001-BULK-021	Black /Silver Non-Fibrous Heterogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-025-001 05681-0025	P001-BULK-025	Gray Non-Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-026-001 141205681-0026	P001-BULK-026	Gray Non-Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-027-001 141205681-0027	P001-BULK-027	Black Fibrous Homogeneous	100.0% Other	None	No Asbestos Detected	
P001-BULK-028-001 141205681-0028	P001-BULK-028					
Not Analyzed						

Analyst(s)

Rachel Giese (12)

Rhonda McGee, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple fibers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from 11/23/2012 10:29:40

3. Chain of Custody

Weston Solutions, Inc.- RST 2
 EPA Contract Number: EP-W-06-072
 Hand-delivered
 Date: 11/16/2012

CHAIN OF CUSTODY RECORD

RFP# 247

Contact Name: Mike Garibald
 Contact Phone: 908-565-2971

No: 2-111612-145002-0001

Cooler #: 1

Lab: EMSL Analytical, Inc.
 Lab Phone: 718-651-0030

141205681

Lab #	Sample #	Location	Collected	Sample Time	Sample Type	Collection Method	Numb Cont	Container	Analyses
	P001-BULK-001-001	P001-BULK-001	11/15/2012	09:40	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-002-001	P001-BULK-002	11/15/2012	09:48	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-003-001	P001-BULK-003	11/15/2012	10:00	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-004-001	P001-BULK-004	11/15/2012	10:12	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-005-001	P001-BULK-005	11/15/2012	10:25	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-006-001	P001-BULK-006	11/15/2012	10:33	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-007-001	P001-BULK-007	11/15/2012	10:45	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-008-001	P001-BULK-008	11/15/2012	10:54	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-009-001	P001-BULK-009	11/15/2012	11:07	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-010-001	P001-BULK-010	11/15/2012	11:18	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-011-001	P001-BULK-011	11/15/2012	11:25	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-012-001	P001-BULK-012	11/15/2012	11:37	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-013-001	P001-BULK-013	11/15/2012	11:33	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-014-001	P001-BULK-014	11/15/2012	11:46	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-015-001	P001-BULK-015	11/15/2012	11:51	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-016-001	P001-BULK-016	11/15/2012	12:02	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N
	P001-BULK-017-001	P001-BULK-017	11/15/2012	12:10	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-018-001	P001-BULK-018	11/15/2012	12:36	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-019-001	P001-BULK-019	11/15/2012	13:45	Field Sample	Grab	1	Plastic bag	Asbestos-PLM N

Special Instructions: Analyze samples at 1 week turnaround time for written results.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All Analysis	Mike Garibald	11/16/12									
	Jr	11/16/12			6:05 PM						

Weston Solutions, Inc.- RST 2
 EPA Contract Number: EP-W-06-072
 Hand-delivered
 Date: 11/16/2012

CHAIN OF CUSTODY RECORD
 RFP# 247
 Contact Name: Mike Garibaldi
 Contact Phone: 908-565-2971

141205681
 No: 2-111612-145002-0001
 Cooler #: 1
 Lab: EMSL Analytical, Inc.
 Lab Phone: 716-651-0030

Lab #	Sample #	Location	Collected	Sample Time	Sample Type	Collection Method	Numb Cont	Container	Analyses
	P001-BULK-020-001	P001-BULK-020	11/15/2012	14:12	Field Sample	Grab	1	Plastic bag	Asbestos-PLM <i>N</i>
	P001-BULK-021-001	P001-BULK-021	11/15/2012	14:25	Field Sample	Grab	1	Plastic bag	Asbestos-PLM <i>N</i>
	P001-BULK-022-001	P001-BULK-022	11/15/2012	14:38	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-023-001	P001-BULK-023	11/16/2012	09:28	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-024-001	P001-BULK-024	11/16/2012	09:54	Field Sample	Grab	1	Plastic bag	Asbestos-PLM
	P001-BULK-025-001	P001-BULK-025	11/16/2012	10:15	Field Sample	Grab	1	Plastic bag	Asbestos-PLM <i>N</i>
	P001-BULK-026-001	P001-BULK-026	11/16/2012	10:17	Field Sample	Grab	1	Plastic bag	Asbestos-PLM <i>N</i>
	P001-BULK-027-001	P001-BULK-027	11/16/2012	10:35	Field Sample	Grab	1	Plastic bag	Asbestos-PLM <i>N</i>
	P001-BULK-028-001	P001-BULK-028	11/16/2012	10:50	Field Sample	Grab	1	Plastic bag	Asbestos-PLM <i>N</i>

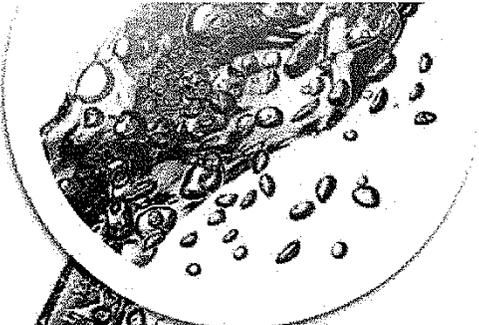
Special Instructions: Analyze samples at 1 week turnaround time for written results.

SAMPLES TRANSFERRED FROM
 CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
<i>All Analysis</i>	<i>Mike Garibaldi</i>	<i>11/16/12</i>									
	<i>Jr</i>	<i>11/16/12</i>			<i>6:57 AM</i>						

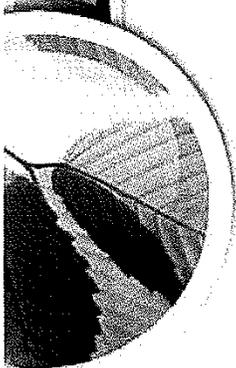
ATTACHMENT E

Asbestos Survey Report



Limited Visual Asbestos Survey
at
Flintkote Site
198-300 Mill Street
Lockport, New York
November 15 and 16, 2012

Date Amended January 25, 2013



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester,
New York 14608 (585) 647-2530

Prepared for:
Weston Solutions, Inc.
1090 King Georges Post Road, Suite 201
Edison, New Jersey 08837-3703
Job Number: 12-1082

R2-0014072

**FLINTKOTE SITE
198 AND 300 MILL STREET
LOCKPORT, NEW YORK**

TABLE OF CONTENTS

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** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Paradigm Job Number 12-1082

R2-0014073

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by **Weston Solutions, Inc.**, on **November 15 and 16, 2012** to conduct a visual inspection and to determine quantities of suspect asbestos containing materials located at the **Flintkote Site, 198 and 300 Mill Street, Lockport, New York**. **The premise of this investigation was to identify and quantify suspect asbestos containing materials located at the Flintkote Site and point out these materials to Weston Solutions personnel. Weston Solutions personnel then made sampling decisions and collected samples for independent analysis. This survey was amended on January 25, 2013 due to changes per the request of the client.**

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of suspect asbestos containing materials at the above referenced location. Envoy Environmental Consultants inspector Matt Joyce (AH#07-08652) conducted this inspection as directed by Paradigm Environmental Services, Inc. with the procedures and guidelines dictated by state and federal regulatory agencies. The inspector of selected materials for inclusion in this report through an understanding of the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

LIMITATIONS

The information provided in this report was compiled from field observations at the **Flintkote Site, 198 and 300 Mill Street, Lockport, New York**. Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the visual assessment that was performed at the above mentioned site on the above mentioned dates.

- **Sampling decisions and sample collections was made by Weston Solutions, Inc.**
- **A gasket sample was collected in Building D Basement; it has been brought to this client's attention that other gasket/flange materials maybe present inside pipe units**
- **Two light fixtures were tested at different areas of the site; gaskets inside the lights were metal.**
- **Window glaze has been quantified based on glaze as well as the glaze residue, which remains on the frames**
- **Due to unsafe surroundings, there was limited access around the exterior of the site**

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Paradigm Job Number 12-1082

R2-0014074

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a limited visual asbestos survey from **Flintkote Site, 198 and 300 Mill Street, Lockport, New York on November 15 and 16, 2012**. A New York State certified inspector visually assessed suspect asbestos containing materials from the above mentioned site. Samples collected and analysis was the responsibility of Weston Solutions, Inc.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.
- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.
- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

**** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.**

Paradigm Job Number 12-1082

R2-0014075

The following is a brief description of the space by space survey.

<i>Col. 1</i>	<i>Col. 2</i>	<i>Col. 3</i>	<i>Col. 4</i>	<i>Col. 5</i>	<i>Col. 6</i>	<i>Col.7</i>	<i>Col. 8</i>	<i>Col. 9</i>
<i>Area</i>	<i>Sample ID</i>	<i>Material Description</i>	<i>Location of Material</i>	<i>Condition</i>	<i>Friable Non-Friable NOB</i>	<i>SQ FT</i>	<i>Lin FT</i>	<i>Units</i>

1. Column 1: indicates the area and estimated square footage of the area referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the area indicated in column 1, by Weston personnel.
3. Column 3: gives a brief description of the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
4. Column 4: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
5. Column 5: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
 - a. **Good:** means material is intact with no visible damage.
 - b. **Fair:** means material contains fewer than 10% distributed damage or 25% localized damage.
 - c. **Poor:** means material contains over 10% distributed damage or 25% localized damage.
 Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
6. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
7. Column 9: indicates the square footage of ACM material found in the space.
8. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
9. Column 11: indicates the units of ACM material found in the space.

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Paradigm Job Number 12-1082

**SUSPECT ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
Flintkote Site
198-300 Mill Street, Lockport, New York**

Area	Sample ID	Material Description	Location of Material	Condition	Friable** Non-Friable NOB	SQ FT	Lin. FT	Units
Building A								
Basement 2925 square feet	019	Gray Window Glaze	Around Interior Window Frames	Poor	Non-Friable		256	
	020, 021	Black Pipe Wrap and Mastic	On Pipe Near Rear Entrance	Fair	Friable		20	
	001, 002	Tar/Vapor Barrier	Ceiling and Walls	Poor	Non-Friable	509		
	023	Wall Plaster	Walls	Poor	Non-Friable	330		
First Floor 1975 square feet	025, 026	Cream Floor Tile and Black Floor Tile Mastic	On Floor Throughout Mill Street Side of Building	Poor	Non-Friable	500		
Exterior	019	Window Glaze	Around Exterior Windows	Poor	Non-Friable		140	
	016	Roofing Material	Roof	Poor	Non-Friable	1975		
Building B								
Basement 750 square feet	023	Gray Wall Plaster	Walls	Poor	Non-Friable	4020		
	001, 002	Tar/Vapor Barrier	Throughout Area on Walls Behind Plaster	Poor	Non-Friable	U	U	U
First Floor 750 square feet	023	Gray Wall Plaster	Walls	Poor	Non-Friable	2020		
Second Floor	N/A	Assume All Suspect Asbestos Containing Materials	Area Inaccessible Due to Lack of Support Structure			U	U	U
Exterior	028	Flashing	On Mill Street Side of Exterior Brick Wall	Poor	Non-Friable	21		
	N/A	Assume All Suspect Asbestos Containing Materials	Roof Inaccessible Due to Unsafe Support Structure			U	U	U
Building C								
Basement 2125 square feet	009	Gray Pipe Wrap	On Pipe Near Fan Unit	Fair	Friable		12	
	022	Gray Vibration Cloth	Around Fan Unit	Fair	Friable	12		
	001, 002	Tar/Vapor Barrier	Throughout Area on Walls and Floors	Fair	Non-Friable	U	U	U
First Floor	003	Fabric Debris	Throughout Entire Area	Fair	Friable	U	U	U
	007	Roofing Material Debris	On Floor Throughout Area	Fair	Non-Friable	U	U	U
	N/A	Assume All Suspect Asbestos Containing Materials	Limited Accessible Due to Roof Collapsed			U	U	U
Machine Room 2310 square feet	024	Gray Pipe Insulation	On Pipes Near Silo	Fair	Friable		74	
	001, 002	Tar/Vapor Barrier	Throughout Area on Walls and Floors	Fair	Non-Friable	U	U	U
	003	Fabric Debris	Throughout Entire Area	Fair	Friable	U	U	U
Exterior	N/A	Mudded Joint Packing and Pipe Insulation	Debris on Ground Below Pipe Insulation that is Intact	Fair	Friable		135	
	N/A	Pipe Insulation	In Barrel on Ground	Fair	Friable		20	
Exterior	N/A	Assume All Suspect Asbestos Containing Materials	Area Inaccessible Due to Unsafe Support Structure			U	U	U

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-1082

SUSPECT ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
Flintkote Site
198-300 Mill Street, Lockport, New York

Area	Sample ID	Material Description	Location of Material	Condition	Friable** Non-Friable NOB	SQ FT	Lin. FT	Units
Building D								
Basement 3950 square feet	008	Gray Pipe Insulation	On Pipe Above Manhole	Poor	Friable		10	
	010	Red Gasket	Along Pipe Connecting Fitting	Fair	Friable		2	
	001, 002	Tar/Vapor Barrier	On Walls and Floor	Poor	Non-Friable	4815		
	003	Fabric Debris	Throughout Entire Area	Poor	Friable	U	U	U
Sub-Basement	011	Gray Fabric Debris	On Walls and Floor	Poor	Friable	U	U	U
	001, 002	Tar/Vapor Barrier	On Walls and Floor	Poor	Non-Friable	U	U	U
	N/A	Assume All Suspect Asbestos Containing Materials	Limited Access to Sub-Basement			U	U	U
Boiler Room 1205 square feet	012	Gray Debris	Inside Boiler Case	Poor	Friable	400		
	013	Gray Fire Brick	Inside Boiler Doors	Fair	Non-Friable	13		
	014	Light Gray Debris	Behind Boiler Metal Frame Work	Poor	Friable	1900		
	015	Yellow Debris	Behind Boiler Metal Frame Work	Poor	Friable	1900		
	016	Black Roofing	Roof and Ground Around Boiler Room	Poor	Non-Friable	1900		
	017	Gray Wall Plaster	Walls	Poor	Non-Friable	3600		
Building E								
First Floor 3980 square feet	006	Gray Ceiling Panel	Floor	Poor	Non-Friable	48		
	007	Black Roofing Debris	Floor	Poor	Non-Friable	1850		
Second Floor	N/A	Assume All Suspect Asbestos Containing Materials	Area Inaccessible Due to Lack of Support Structure			U	U	U
Exterior	028	Black Flashing	On Exterior Bricks	Poor	Non-Friable	45		
	019	Window Glaze	Around Windows	Poor	Non-Friable		160	
	N/A	Assume All Suspect Asbestos Containing Materials	Roof Inaccessible Due to Lack of Support Structure			U	U	U
Basement 4416 square feet	001, 002	Black Tar/Vapor Barrier	On Brick Walls and Floor	Poor	Non-Friable	U		
	003	Gray Fabric Debris	On Walls and Floor	Poor	Friable	U	U	U
First Floor 4416 square feet	004	Black Cloth Material	On Ceiling Rack	Fair	Non-Friable	45		
	005	Gray Debris	Inside Wood Furnace	Poor	Friable	250		
Exterior	027	Dark Gray Roof Shingle	Roof - Two Layers	Poor	Non-Friable	4820		
	028	Flashing	North End of Building	Poor	Non-Friable	25		
	019	Window Glaze	Around Windows	Poor	Non-Friable		340	
	N/A	Assume All Suspect Asbestos Containing Materials	Top of Roof Inaccessible Due to Lack of Support Structure			U	U	U
Silo								
Interior	N/A	Assume All Suspect Asbestos Containing Materials	Interior of Silo Inaccessible			U	U	U

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
 Job Number 12-1082

**SUSPECT ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY FOR
Flintkote Site
198-300 Mill Street, Lockport, New York**

Area	Sample ID	Material Description	Location of Material	Condition	Friable** Non-Friable NOB	SQ FT	Lin. FT	Units
Exterior	018	Gray Brick	Around Exterior of Silo	Poor	Non-Friable	5050		

All materials assumed positive for asbestos containing materials by inspector.

U - Inspector unable to determine quantity; see limitations

36048	1169	0
-------	------	---

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

Paradigm certifies that this report regarding the Flintkote Site, 198-300 Mill Street, Lockport, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on November 15 and 16, 2012.

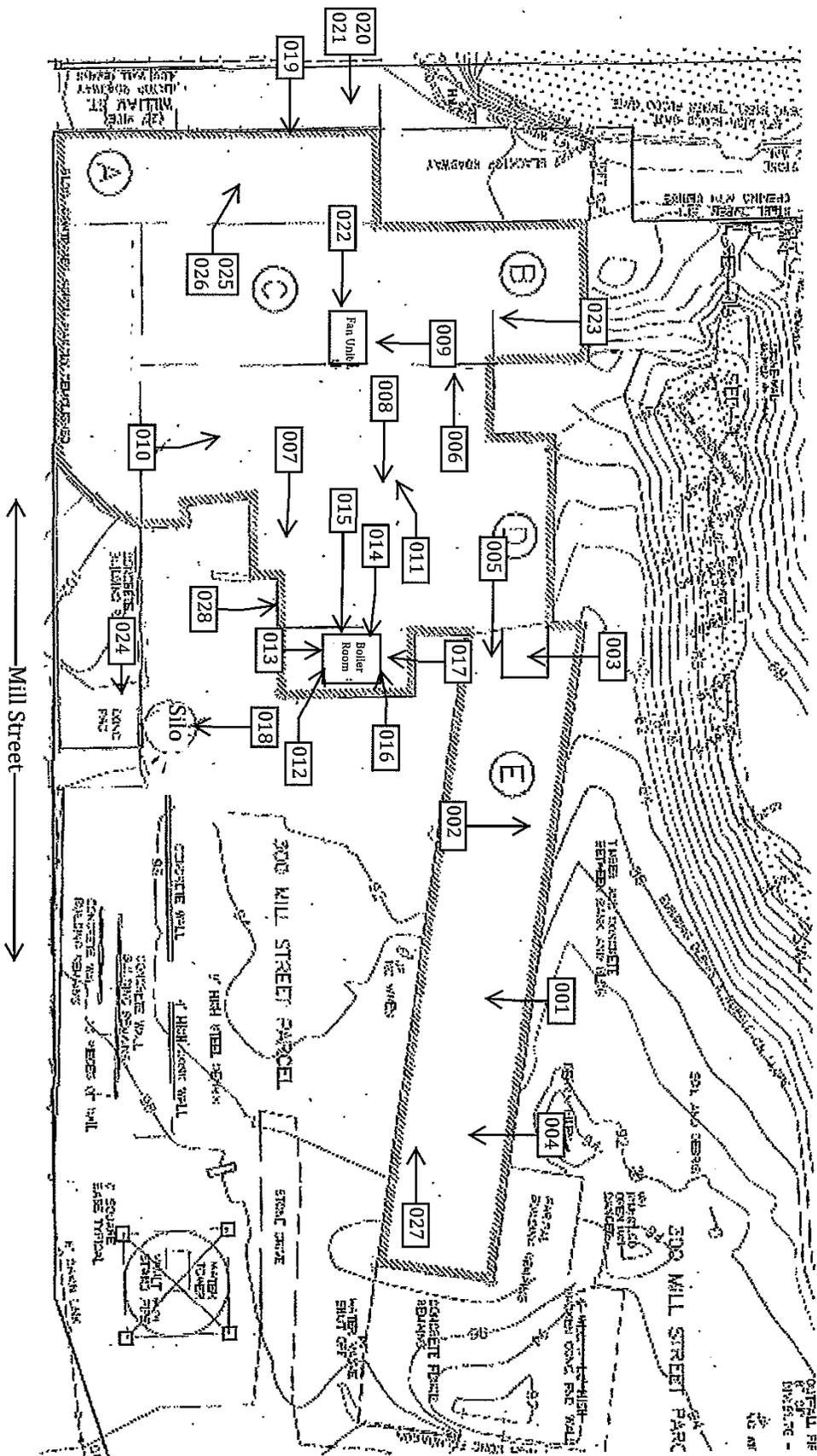


Matt Joyce
Envoy Environmental Consultants, Inc.
Inspector # AH 07-08652

** This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.
Job Number 12-1082

Client: Weston Solutions, Inc.
 Location: Flintkote Site, Lockport, New York
 Date: November 15 and 16, 2012
 Project Number: 12-1082

Sample Location Drawings



Certifications

NEW YORK STATE DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.
57 Ambrose Street
Rochester, NY 14609

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 05/18/2012
EXPIRATION DATE: 06/30/2013

Daily Authorized Representative: Paul Mahoney

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox

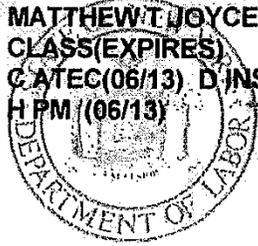
Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



MATTHEW T. JOYCE
CLASS (EXPIRES)
C. ATEC (06/13) D. INSP (06/13)
H. PM (06/13)



CERT# 07-08652
DMV# 227745086

MUST BE CARRIED ON ASBESTOS PROJECTS

ATTACHMENT F

Photo Documentation Log

Photo Documentation Log
18 Mile Creek Site, Removal Assessment, November 15 - 16, 2012
Lockport, New York



View facing southwest of the former Flintkote Building at the 18 Mile Creek site.



View facing north of the collapsed area at the main floor at Building E.

Photo Documentation Log
18 Mile Creek Site, Removal Assessment, November 15 - 16, 2012
Lockport, New York



View of the deteriorated drum containing asbestos pipe insulation at the Area C basement.



Close-up view of the asbestos pipe insulation in the deteriorated drum at the Area C basement.

Photo Documentation Log
18 Mile Creek Site, Removal Assessment, November 15 - 16, 2012
Lockport, New York



View of the asbestos pipe insulation identified at the Area C basement.



View of the deteriorated Boiler at Area F2. Note the ash piles on equipment.

Photo Documentation Log
18 Mile Creek Site, Removal Assessment, November 15 - 16, 2012
Lockport, New York



View of the lint/process fluff on the wall at the basement of Area D.



View of the SACM roofing material from the boiler room catwalk at Area F2.