



**PRE-RENOVATION
INVESTIGATIVE SURVEY FOR
ASBESTOS-CONTAINING MATERIALS
AND LEAD BASED PAINT
CONNECTICUT VALLEY HOSPITAL
SHEPHERD HOME
MIDDLETOWN, CONNECTICUT**

Project No. I-13-07
DPW No. 37296

Prepared for
State of Connecticut
Department of Construction Services
Hartford, Connecticut

Prepared by
TRC
Windsor, Connecticut

A handwritten signature in black ink that reads "Donald LePage". The signature is written in a cursive style and is underlined.

Donald LePage
Project Manager

TRC Project No. 206359-0000-0000
August 5, 2013

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone (860) 298-9692
Facsimile (860) 298-6399

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EXECUTIVE SUMMARY

On July 29, 2013 TRC of Windsor, Connecticut conducted an inspection for suspect asbestos-containing materials (ACM) and lead based paint (LBP) at Connecticut Valley Hospital – Shepherd Home in Middletown, Connecticut. The inspection was initiated prior to planned window replacement activities in accordance with USEPA Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAPS) requirements.

The scope of the inspection was limited to the window areas at the subject building. A Connecticut licensed asbestos inspector from TRC conducted the inspection in accordance with USEPA AHERA protocols and ASTM Standard E2356-04. Bulk samples of suspect materials were collected and analyzed via polarized light microscopy (PLM) and/or PLM gravimetric analysis methods at a CTDPH/NVLAP accredited laboratory. ACM was identified/assumed as exterior first, second and third floor window glazing in the subject area. ACM to be impacted by renovation activities must be removed prior to disturbance in accordance with OSHA, USEPA, CTDPH, and CTDEEP standards for asbestos abatement/disposal. Detailed results of the asbestos survey can be found in Tables 1-3 and Appendices A through D.

An inspector from TRC conducted a LBP survey throughout the window areas and high levels (>1.0 mg/cm²) of lead paint were identified on various components on the structures that are scheduled for impact. Exposure levels for lead in the construction industry are regulated by OSHA 29 CFR 1926.62. Construction activities disturbing surfaces containing lead paint which are likely to be employed, such as grinding, cutting, and demolishing, has been known to expose workers to airborne levels of lead in excess of the permissible exposure limit (PEL). The Contractor shall conduct demolition work in conformance with the OSHA regulations, utilizing engineering controls and personal protective equipment. In addition, disposal of construction waste containing lead paint is subject to regulation under both the CTDEEP Hazardous and Special Waste Management (22a-209-1 through 16; 22a-449(c)-11; 22a-449(c)-13; 22a-449(c)-100 through 110; and 22a-454) and USEPA RCRA Hazardous Waste Management (40 CFR Parts 260 through 274) regulations. However, scrap metal is exempt from regulation under the CTDEEP/USEPA Hazardous Waste Regulations provided it is properly

recycled. The Contractor shall recycle any lead painted scrap metal at an approved scrap metal recycling facility.

Building debris waste disposal determination with regards to potentially hazardous lead painted components is regulated by USEPA Resource Conservation Recovery Act (RCRA) Hazardous Waste Regulations (40 CFR Parts 260 through 274), and the CTDEEP Hazardous Waste Regulations (22a-209-1 and 22a-449(c)). A Lead Toxic Characterization Leachate Procedure (TCLP) test was performed on a window materials sample to determine if the windows can be disposed of as regular C&D waste or if they must be deposited in a hazardous landfill based on the amounts of lead. Results of the TCLP indicated high levels of lead present in a representative sample of the mass of the building windows. Therefore, based on the results of the analysis, the windows are hazardous and must be disposed of properly. Detailed results of the lead survey/TCLP testing can be found in Tables 4 and 5 as well as Appendices E and F.

PROJECT OUTLINE

Project Address: Connecticut Valley Hospital – Shepherd Home
Middletown, CT

DAS Contract No. 08PSX0202

DCS Project Manager: Michael Sanders

DCS Project No.: I-13-07

DCS Building No: 37296

TRC Project No.: 206359-0000-0000

TRC Project Manager: Don LePage

Asbestos Inspector: Jared Smith (LIC #000692)

Date of Inspection: 7/29/13

Asbestos Identified: Yes

Lead Based Paint Identified: Yes

Gen. Bldg. Mat. Haz Waste: Yes

Additional Notes:

The site investigation was limited to the collection and analysis of suspect asbestos-containing materials and lead based paint from the basement and first floor window areas of the building prior to planned window replacement activities. Second and third floor windows were inaccessible at the time of the inspection, but were assumed to contain the same glazing/caulking as the first floor windows.

TABLES

**TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
CONNECTICUT VALLEY HOSPITAL - SHEPHERD HOME
MIDDLETOWN, CONNECTICUT**

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
1	First floor window	Window glazing (WG1)	3% chrysotile
2	First floor window	Window glazing (WG1)	NA/PS
3	First floor window	Window glazing (WG1)	NA/PS
4	First floor window	Caulking around window (C1)	ND<1%
5	First floor window	Caulking around window (C1)	ND<1%
6	First floor window	Caulking around window (C1)	ND<1%*
7	Basement window	Window glazing (WG2)	ND<1%
8	Basement window	Window glazing (WG2)	ND<1%
9	Basement window	Window glazing (WG2)	ND<1%*
10	Basement window	Caulking around window (C2)	ND<1%
11	Basement window	Caulking around window (C2)	ND<1%
12	Basement window	Caulking around window (C2)	ND<1%*

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB material; result confirmed by TEM analyses

* Analyzed by EPA/600/R-93/116 with gravimetric reduction

**TABLE 2
 IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
 CONNECTICUT VALLEY HOSPITAL - SHEPHERD HOME
 MIDDLETOWN, CONNECTICUT**

Material	Sampled- Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
Window glazing on 6 over 6-pane and tall 3-pane windows (WG1)	Sampled/ Assumed 7/13	First, second and third floor windows (unable to access second & third floor windows – assume same as first floor)	Category II Non-friable	Miscellaneous	135 EA

AHERA Categories = thermal system insulation (TSI), surfacing material or miscellaneous
 NESHAP Categories = friable, category I non-friable or category II non-friable
 Friable = crumbled, pulverized or reduced to powder by hand pressure when dry
 Category I Non-friable = packings, gaskets, resilient floor covering and asphalt roofing
 Category II Non-friable = all non-friable that is not Category I

TABLE 3
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
CONNECTICUT VALLEY HOSPITAL - SHEPHERD HOME
MIDDLETOWN, CONNECTICUT

Material	General Location
Caulking around window (C1)	First, second and third floor windows (Only able to sample first floor windows; second and third floor windows inaccessible but assumed same as first floor)
Window glazing (WG2)	Basement windows
Caulking around window (C2)	Basement windows

TABLE 4
SUMMARY OF LEAD PAINT XRF MEASUREMENTS
CONNECTICUT VALLEY HOSPITAL - SHEPHERD HOME
MIDDLETOWN, CONNECTICUT

Structure	No. of Measurements	Calibrations	Void	Lead Detected	No Lead Detected via XRF*
Windows at Shepherd Home	16	7	1	8	0

*A XRF cannot determine if paint is "lead free" since it can only detect lead down to 0.1 mg/cm². Paint can only be determined as "lead free" by a laboratory using Atomic Absorption Spectrometry (AAS). See Lead Paint XRF Measurement Table in Appendix E.

TABLE 5
SUMMARY OF COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION
CONNECTICUT VALLEY HOSPITAL - SHEPHERD HOME
MIDDLETOWN, CONNECTICUT

Waste Stream	Metal	mg/L Leachate	Hazardous/Non-Hazardous
Shepherd Home Window Bldg. Material Composite (Excluding metal substrates)	Arsenic	---	Analyte not tested
	Barium	---	Analyte not tested
	Cadmium	---	Analyte not tested
	Chromium	---	Analyte not tested
	Lead	77	Hazardous
	Mercury	---	Analyte not tested
	Selenium	---	Analyte not tested
	Silver	---	Analyte not tested

Each sample was analyzed following the Toxicity Characteristic Leaching Procedure (TCLP) for the Resource Conservation Recovery Act (RCRA) Metals most likely to be present in this type of structure. The sample was a composite of wood, wallboard, brick, flooring, roofing and other building materials and was collected per CTDEP sampling guidelines in approximate percent by weight proportions to represent the building as a whole. The sample did not include any metal components, as metal items should be recycled to promote waste minimization efforts, rather than disposed of, and the recycling operation is exempt from the USEPA RCRA and CTDEP Hazardous Waste regulations. In most instances, the sample will not include foundation materials (concrete/stone/etc.), as these materials are used as clean fill during the demolition process and are therefore not part of the waste disposal stream.

See Appendix F for results.

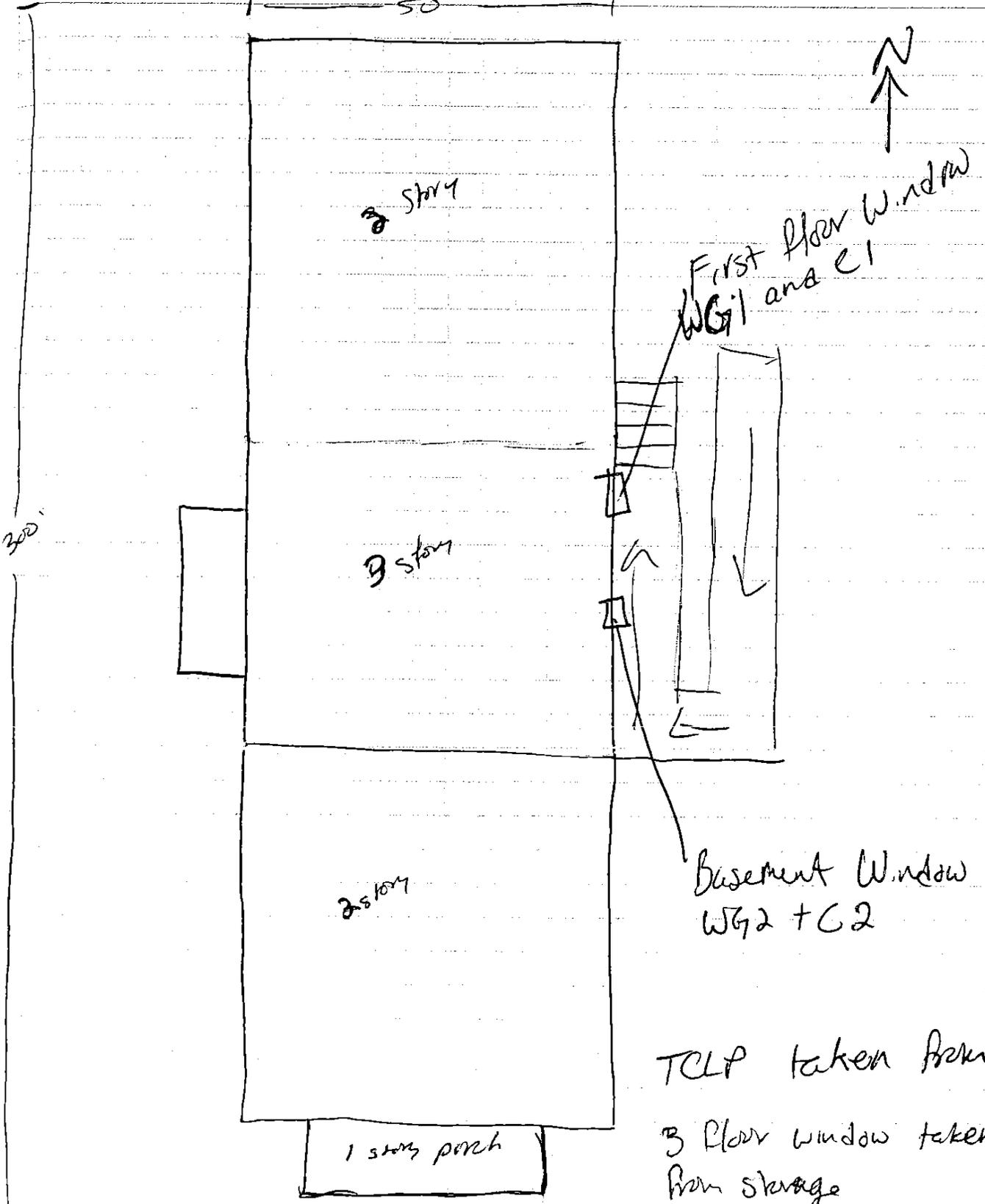
BDL - Below Detection Limit
 ND - Not Detected

APPENDIX A
SITE SKETCH



SHEET NO. 1 OF 1
PROJECT NO. 206359
DATE 7-29-13
BY J. SMITH
CHK'D _____

SUBJECT CVR - Shepard Home



Basement Window
WG2 + C2

TCLP taken from
3 floor window taken
from storage

Site / Station CVH - Shepard Home
Middle town, CT

Month / Year 7-13
Project No 206359.0000.0000

Date	Time	Instrument and TRC ID	Comments	Initials
7/29/13	13:30		Jared Smith meets Dan Robertson from CVH engineering to drive over to the Shepard Home.	JS
	13:45		D. Robertson shows JS the windows that are slated to be removed. JS unpacks Niton to begin calibration process.	JS
	14:00		JS collects samples from 2 windows on the East side of the Shepard Home, one window on the first floor and one window on the ground level which is considered the basement.	JS
	14:15		A visual inspection is informed on the remaining windows on the North, East ^{West} and South sides to confirm the material sampled is the same throughout the building - It is.	JS
	14:30		Shots are the Niton is calibrated (three shots) and then the components of the first floor window are shot followed by the components of the basement window. JS informs D. Robertson that a window will have to be sacrificed for a TCLP test to be performed. DR obliges and secures the a window from the third floor to be sampled. JS also takes one Niton shot from the third floor window to be sampled via TCLP.	JS
	14:45		JS confirms the sills will not be removed during renovation so to a sample with of a sill will not be collected.	JS

APPENDIX B

LABORATORY AND INSPECTOR ACCREDITATIONS

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

TRC ENVIRONMENTAL CORPORATION

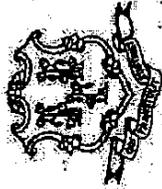
LOCATED AT 21 Griffin Road North IN Windsor, CT 06095
AND REGISTERED IN THE NAME OF Erik Plimpton

THIS CERTIFICATE IS ISSUED IN THE NAME OF Kathleen Williamson WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS
AIR-FIBER COUNTING - PCM
BULK IDENTIFICATION - PLM

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2013 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH
DATED AT HARTFORD, CONNECTICUT, THIS 14th DAY OF December 2011



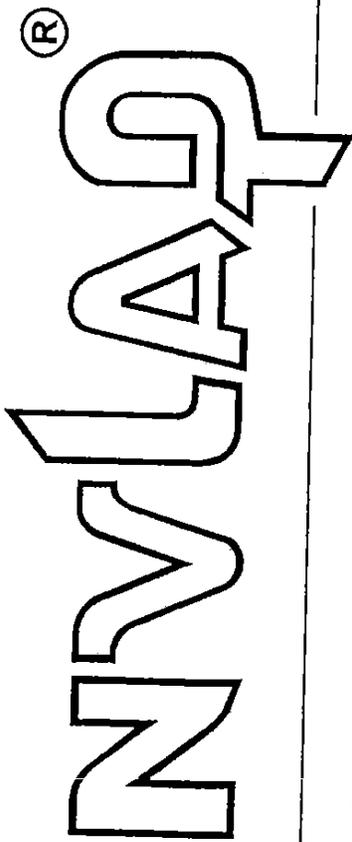
Registration
No.

PH- 0426

A handwritten signature in black ink, appearing to read "Suzanne Blancaflor".

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101424-0

TRC Environmental Corporation
Windsor, CT

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2013-07-01 through 2014-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William R. M. L. D.", written over a horizontal line.

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRC Environmental Corporation
 21 Griffin Road North
 Windsor, CT 06095
 Ms. Kathleen Williamson
 Phone: 860-298-6392 Fax: 860-298-6214
 E-Mail: kwilliamson@trcsolutions.com
 URL: <http://www.trcsolutions.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101424-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2013-07-01 through 2014-06-30

Effective dates

For the National Institute of Standards and Technology



State of Connecticut

Lookup Detail View

Name

Name
JARED D SMITH

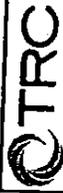
License Information
lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	692	10/31/2013	11/20/2007	Jared D. Smith	ACTIVE	None

Generated on: 7/8/2013 7:51:55 AM

APPENDIX C

**ASBESTOS BULK SAMPLE CHAIN OF CUSTODY
FORMS**



21 GRIFFIN ROAD NORTH
 WINDSOR, CONNECTICUT 06095
 TELEPHONE (860) 298-9692
 FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
 Supersede Previous Edition

PROJECT NUMBER
 206359.0000.0000

PROJECT NAME
 CVH-Shepard Home

LAB ID #
 42690

SIGNATURE

INSPECTOR
 J. SMITH

FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 1984 (IF PLM SERIES NEG)	TURNAROUND TIME						
			COMP	GRAB							PLM:	TEM:	8hr	24hr	48hr	3day	5day
WG1	7-29-13	1400	X	X	FIRST FLOOR WINDOW	X							X				
WG1			X	X			X										
WG1			X	X													
CI			X	X													
CI			X	X													
CI			X	X													
WG2			X	X	BASEMENT WINDOW												
WG2			X	X			X										
WG2			X	X													
C2			X	X			X										
C2			X	X													

MATERIAL

Window Glazing

Caulking around window

Window Glazing

Caulking around window

Relinquished by: (Signature)

Date:
 7-30-13

Received by: (Signature)

Date:
 8/1/13

Relinquished by: (Signature)

Date:

Received by: (Signature)

(Printed)
 J. SMITH

Time:
 1600

(Printed)

Time:
 1100

(Printed)

(Printed)

Remarks:

Condition of Samples: Yes No

Comments:

Date	Analyst	Lab Log #	Sample ID	Crucible ID	g crucible	g crucible plus sample	g after 480°	decimal Residue	% Asb in residue	% Asb total Sample
8/1/2013	KW	42690	6	23	17.8253	17.8389	17.8315	0.456	0.00	0.00
			9	95	28.5972	28.6597	28.6558	0.938	0.00	0.00
			12	770	19.499	19.5234	19.511	0.492	0.00	0.00

APPENDIX D

PLM LABORATORY ANALYSIS DATA



BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Construction Services

Lab Log #: 0042690
 Project #: 206359.0000.000
 Date Received: 07/31/2013
 Date Analyzed: 08/01/2013

Site: CVH, Shepard House

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Beige	Yes	No	--	---	3%	Chrysotile
2	--	--	--	--	--	NA/PS	--
3	--	--	--	--	--	NA/PS	--
4	White	Yes	No	--	---	ND<1%	None
5	White	Yes	No	--	---	ND<1%	None
6♣	White	Yes	No	--	---	ND<1%	None
7	Beige	Yes	No	--	---	ND<1%	None
8	Beige	Yes	No	--	---	ND<1%	None
9♣	Beige	Yes	No	--	---	ND<1%	None
10	White	Yes	No	--	---	ND<1%	None
11	White	Yes	No	--	---	ND<1%	None
12♣	White	Yes	No	--	---	ND<1%	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NY Lab Code 101424-6
 RI #AAL-007C3 TN #200354
 NH #100122 CT #P14-0426
 VT #AL014538 VA #333-000283
 ME #A-0075, LB-0071
 MA #A000050
 NJ #L-09-004
 NY #10930
 NJ #C1004
 WV #LT000356
 CA #10275CA



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
------------	-------	------------	---------------	-----------	------------------------	------------	---------------

◆Samples analyzed by EPA/600/R-93/116 with gravimetric reduction

Reporting limit- asbestos present at 1%
 ND<1% - asbestos was not detected
 Trace - asbestos was observed at level of less than 1%
 NA/PS - Not Analyzed / Positive Stop

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2014. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2014. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson Reviewed by: A. Parkins Date Issued
 Kathleen Williamson, Laboratory Manager Amanda Parkins, Approved Signatory 08/02/2013

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NSLAP Lab Code 101424-0 AIHA #100122 CT #PH-0426 MD, LA-0075, LB-0071 MA #A000052 NY #10980 WV #1T000256
 RI #AAL-007C3 TX #300354 VT #AT 014538 VA #3333 000283 AZ #A20944 WI #1-09-004 NJ #CT004 CA #10275CA

APPENDIX E

LEAD PAINT XRF MEASUREMENT TABLE



Lead Based Paint Measurement Summary Table

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1	Shutter calibration							1.4	0		247.23	7/29/2013 14:20
2	0.0 calibration							0.0	0.04	2.4	1.75	7/29/2013 14:26
3	3.5 calibration							3.7	0.2	1.29	7	7/29/2013 14:27
4	0.3 calibration							0.3	0.05	1	5.25	7/29/2013 14:28
5	Room 1	east	Window	Jamb	Wood	White	defective	11.5	1	3.58	8.86	7/29/2013 14:30
6	Room 1	east	Window	Sash ext	Wood	White	defective	1.8	0.4	1.72	7.48	7/29/2013 14:32
7	Room 1	east	Window	Sash ext	Wood	White	defective	17.6	1.3	6.92	7.49	7/29/2013 14:33
8	Room 1	east	Window	Sash ext	Wood	White	defective	31.7	1.6	6.43	9.48	7/29/2013 14:35
9	Basement	east	Window	Sash ext	Wood	White	defective	0.5	0.1	2.98	7	7/29/2013 14:37
10	VOID		VOID	VOID								
11	Basement	east	Window	Sash ext	Wood	White	defective	0.5	0.1	2.9	12.77	7/29/2013 14:39
12	Basement	east	Window	Casing	Wood	White	defective	0.7	0.1	1.3	10.5	7/29/2013 14:41
13	Room 3	east	Window	Sash ext	Wood	White	defective	25.3	1.8	3.36	6.14	7/29/2013 14:43
14	0.0 calibration							0	0.02	1	2.5	7/29/2013 14:44
15	3.5 calibration							3.6	0.2	1.27	9.64	7/29/2013 14:45
16	0.3 calibration							0.3	0.04	1.02	8.02	7/29/2013 14:46

Device(s): Niton XLP301-A (Serial #25555) X Ray Fluorescence (XRF) Spectrum Analyzer
 Site: Connecticut Valley Hospital - Shepherd Home, Middletown, Connecticut
 Project #: 206359-0000-0000
 Date(s): 7/29/2019
 Inspector: Jared Smith

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise

APPENDIX F

**COMPOSITE BUILDING MATERIAL WASTE
CHARACTERIZATION DATA**



80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Don Lepage
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET # 13070626

Report Date: August 2, 2013
Client Project: CVM, Shepard House, Middletown
Client Project #: 206359.0000.0000



Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date	Collection Time	Receipt Date
AF39246	CVM Shepard House	Solid	7/29/2013	15:00	07/30/2013

Sample temperature upon receipt was 14.3 degrees C

PREP ANALYSIS:**TCLP, Metals [EPA 1311]**

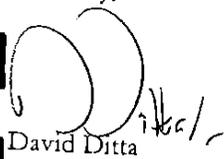
Client ID	CVM Shepard House
CET ID	AF39246
Date Analyzed	7/31/2013

ANALYSIS:**TCLP Metals [EPA 6020A] Units: mg/l**

Client ID	CVM Shepard House
CET ID	AF39246
Date Analyzed	8/2/2013
Dilution	1.0
Lead	77

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

Report Comments:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. Sample Result Flags:
 - E - The result is estimated, above the calibration range.
 - H - The surrogate recovery is above the control limits.
 - L - The surrogate recovery is below the control limits.
 - B - The compound was detected in the laboratory blank.
 - P - The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
 - D - The RPD between the sample and the sample duplicate is high. Sample homogeneity may be a problem.
5. All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

