

EAGLE ENVIRONMENTAL, INC.

July 31, 2003

Mr. Larry Shaffer
Town of Vernon
28 Park Place
Vernon, Connecticut 06066

**RE: Prerenovation Hazardous Materials Inspection
30-36 Main Street, Vernon, Connecticut
Eagle Project No. 03-131**

Dear Mr. Shaffer:

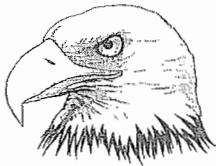
Attached is the report for the hazardous materials inspection conducted at 30-36 Main Street in Vernon, Connecticut. If you have any questions regarding the contents of this report, please do not hesitate to contact us.

Sincerely,

Eagle Environmental, Inc.

Peter J. Folino
Vice President

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EAGLE ENVIRONMENTAL, INC.

LETTER OF TRANSMITTAL

TO: Town of Vernon
28 Park Place
Vernon, CT 06066

DATE: <u>7.31.03</u>	JOB NO. <u>03-131</u>
ATTENTION: <u>Larry Shaffer</u>	
RE: <u>30-36 Main Street</u>	
<u>Vernon, Connecticut</u>	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

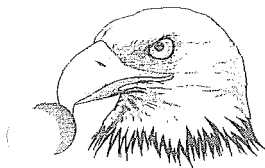
- ☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order _____

COPIES	DATE	NO.	DESCRIPTION
1	7-31	-	Prerenovation Hazardous Materials Inspection

THESE ARE TRANSMITTED as checked below:

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| <input type="checkbox"/> FOR BIDS DUE _____ 19 _____ | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | |

REMARKS _____



EAGLE ENVIRONMENTAL, INC.

HAZARDOUS MATERIALS INSPECTION REPORT
FOR
30-36 MAIN STREET
VERNON, CONNECTICUT

PROVIDED TO

TOWN OF VERNON
28 PARK PLACE
VERNON, CONNECTICUT

PROVIDED BY

EAGLE ENVIRONMENTAL, INC.
481 NORTH MAIN STREET
BRISTOL, CONNECTICUT

DATE: JULY 31, 2003

EAGLE PROJECT NO. 03-131

TABLE OF CONTENTS

<u>HAZARDOUS MATERIALS INSPECTION REPORT</u>	<u>PAGE</u>
- Introduction	1-2
- Building Description	2
- Asbestos Containing Materials	2
Inspection	2
Sampling	2-4
Discussion	4
Results	4-13
Conclusion	13-14
- Lead Based Paint	14
Inspection	14-15
Sampling	15
Results and Conclusion	15-16
- PCB and DEHP Containing Light Ballast	16
Inspection	16
Discussion	16
Results and Conclusion	16
- Mercury Vapor Lamps and Thermostatic Controls	17
Inspection	17
Discussion	17
Results and Conclusion	17
- Pigeon Guano	17
Inspection	17
Discussion	17-18
Results and Conclusion	18

APPENDICES

- Appendix A Floor Plans
- Appendix B Asbestos Laboratory Results
- Appendix C XRF Field Inspection Data Sheet
- Appendix D PCB/DEHP Light Ballast Inspection Logs
- Appendix E Mercury Light Tube Inspection Logs
- Appendix F Cost Estimates
- Appendix G Laboratory Certificates
- Appendix H Eagle Environmental Inc., Certificates

INTRODUCTION

On June 19, 20, and 23, 2003, Eagle Environmental, Inc. conducted a prerenovation hazardous materials survey at 30-36 Main Street in Vernon, Connecticut. The scope of the survey included an asbestos containing materials (ACM) inspection, lead-based paint (LBP) screen, an inspection for Polychlorinated Biphenyls (PCB) or Di-ethylhexyl phthalate (DEHP) containing fluorescent lighting ballasts and a mercury vapor lighting tube inspection. Eagle Environmental also performed a visual inspection for the presence of Pigeon Guano.

Asbestos Containing Materials

The asbestos inspection was conducted in order to satisfy the USEPA National Emission Standard for Hazardous Air Pollutants Act (NESHAP) as amended November 20, 1990. The USEPA NESHAP final rule requires the identification and removal of all regulated ACM in an area of a building if the materials will potentially be impacted by renovation activities.

Caleb Cowles (license # 000556) performed the asbestos containing materials inspection.

Lead Based Paint

The lead based paint screen was performed in accordance with the requirements of the U.S. Department of Labor Occupational Safety and Health Administration (OSHA). OSHA regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead in Construction. This regulation requires that painted surfaces be tested for lead on a renovation project prior to the commencement of renovation activities. If LBP is identified in any amount the Contractor must conduct personal air monitoring to assess exposure levels. This "initial exposure assessment" must be conducted by trained workers utilizing appropriate personal protective equipment.

Caleb Cowles performed the lead based paint survey and fluorescent lamp and ballasts inspection.

Polychlorinated Biphenyls (PCBs) and Di-ethylhexylphthalate (DEHP)

Both PCBs and DEHP have been used in the past during the manufacturing of magnetic lighting ballast. In their pure form, both are listed as Resource Conservation and Recovery Act (RCRA) hazardous materials that require special handling and disposal.

Mercury Vapor Lighting and Thermostatic Controls

Fluorescent lamps and thermostatic controls are known to contain mercury and mercury vapor and have been regulated by the USEPA under RCRA. The mercury and mercury vapors associated with these products must be reclaimed prior to disposal of the products.

Pigeon Guano

Eagle Environmental conducted a visual inspection of the building for the presence of pigeon excrement, or guano. This guano can accumulate in buildings where pigeons roost. Exposure to dried pigeon guano can lead to certain pulmonary diseases and disorders. The most common pulmonary disease associated with exposure to pigeon guano is Histoplasmosis. This is an infection caused by exposure to the fungus *Histoplasma Capsulatum* that can be present in pigeon guano.

Building Description

The site building located at 30-36 Main Street, Vernon, Connecticut consists of a wood framed three-story building that was constructed circa 1870. The building is approximately fifteen thousand (15,000) square feet. The building is built over a full basement, which is unfinished. The building's heating system consists of oil fired and gas fired hot air furnaces. The ductwork is un-insulated. The ducts are concealed. The building also contains rooftop heating ventilation and air conditioning (HVAC) equipment. The interior finishes consist of a combination of sheetrock and plaster, wood and vinyl windows and doors with wood trim and various flooring finishes. The exterior facades are brick. The roof is sloped and contains built up roofing felts.

ASBESTOS CONTAINING MATERIALS

Inspection

Semi-destructive testing techniques were utilized during the inspection process. This included cutting through various layers of flooring materials to verify and sample individual layers of suspect ACM. Portions of the first floor were occupied during the inspection and less aggressive inspection techniques were utilized in these areas.

All ACM is quantified in linear and square footage, depending on the nature of the material. The quantities, of ACM identified by bulk samples analysis are listed in the Result Section. Room numbers identified in the tables correspond to room numbers provided on the floor plans contained in Appendix A of the report.

Sampling

During the sampling process, suspect ACM was separated into three USEPA categories. These categories are: thermal system insulation (TSI), surfacing ACM, and miscellaneous ACM. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe covering, boiler insulation, duct wrap, and mudpack fitting cement. Surfacing ACM includes all ACM that is sprayed, troweled or otherwise applied to an existing surface. These applications are most commonly used in fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tile.

Surfacing Materials

Eagle Environmental collected the required number of samples for each suspect homogeneous surfacing material. The USEPA requires a specific number of samples to be collected for each suspect surfacing material. The number of samples to be collected depends on the overall quantity of each suspect surfacing material. The USEPA protocol for surfacing material requires that a minimum of three (3) samples be collected for surfacing materials quantified up to one thousand (1,000) square feet; five (5) samples for surfacing materials quantified between one thousand (1,000) and five thousand (5,000) square feet; and seven (7) samples for greater than five thousand (5,000) square feet. The USEPA recommends nine (9) samples for surfacing materials quantified greater than five thousand (5,000) square feet. Eagle collected samples of suspect surfacing materials in accordance with these USEPA protocols. The protocols are also consistent with OSHA sampling protocols.

Thermal System Insulation

Eagle Environmental collected the required number of samples for each suspect homogeneous thermal systems insulation. The USEPA requires a minimum of three (3) samples for each suspect homogeneous thermal system insulation. One sample is permissible for thermal system patches less than or equal to six (6) square feet or six (6) linear feet. Eagle collected samples of suspect thermal systems insulation in accordance with these USEPA protocols. These protocols are also consistent with OSHA sampling protocols.

Miscellaneous Materials

Eagle Environmental collected samples of miscellaneous materials in accordance with USEPA and OSHA requirements and current industry standards. A minimum of one sample for each suspect miscellaneous material was collected. Additional samples were collected at the inspector discretion. Where large quantities of miscellaneous materials are present, additional samples were collected. Current regulations require that sampling of miscellaneous materials shall be conducted in a manner sufficient to provide accurate results.

Sample Analysis

The samples of the suspect asbestos containing materials were sent to a State of Connecticut approved laboratory for analysis by Polarized Light Microscopy (PLM). PLM is the USEPA accepted method of analysis for identification of asbestos in bulk matrixes. Each set of samples was systematically analyzed until one sample was determined to contain asbestos. Upon determination that one sample in the set contained asbestos, analysis of the remaining samples in the set was discontinued. If no asbestos was observed during analysis of the set of samples, the suspect material was determined to be negative for asbestos content.

Non-Friable ACM

Certain samples of nonfriable materials shown to contain less than 1 % asbestos (TRACE) or NAD are recommended for further analysis by the "NOB TEM ELAP 198.4 Method" (Table IV). This procedure is recommended by the United States Environmental Protection Agency to confirm non-friable bulk samples shown to be TRACE or negative for asbestos by PLM to be definitively negative for asbestos. If these negative results are confirmed by NOB TEM, then the samples are determined to be non-asbestos containing.

Discussion

Sample analysis results are reported in percentage of asbestos and non-asbestos components. The USEPA defines any material that contains greater than one percent (1%) asbestos, utilizing PLM, as being asbestos-containing material (ACM). Sample results indicating "no asbestos detected" (NAD) are specified as non-asbestos containing materials. Friable ACM shown to contain equal to or less than one percent (1%) asbestos or trace amounts of asbestos must be analyzed further by the "point counting" method. This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. If these low concentration samples are found to contain equal to or less than one percent (1%) asbestos by the point counting method, the samples are determined to be non asbestos-containing materials.

Results

Utilizing PLM, the following materials were determined to be ACM:

TABLE I
ASBESTOS CONTAINING MATERIALS

Interior:

FLOOR	ROOM	SAMPLE NO.	MATERIAL TYPE	QUANTITY
0	11	6-19-CC-02	Transite panels at ceiling	566 SF
0	12	6-19-CC-02	Transite panels at ceiling	183 SF
0	17	6-19-CC-03	Red and white pattern vinyl sheet flooring	6 SF
St	09	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	10 SF
St	15	6-19-CC-18	Grey with blue streaks 9"x 9" floor tile	10 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	
1	18	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	6 SF
1	19	6-19-CC-26	Black adhesive associated with tan square pattern sheet flooring	18 SF
1	19	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	18 SF
		6-19-CC-27	9"x 9" red floor tile	

FLOOR	ROOM	SAMPLE NO.	MATERIAL TYPE	QUANTITY
1	20	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	169 SF
		6-19-CC-27	9"x 9" red floor tile	
1	21	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	697 SF
1	22	6-19-CC-42	Bottom layer residual black vinyl cove base adhesive	6 LF
1	23	Assume	Additional layers of flooring	144 SF
1	27	Assume	Wall panel adhesive	100 SF
1	26	Assume	Wall panel adhesive	100 SF
1	28	6-19-CC-51	Mudded insulation on pipe fittings	7 @ 1 SF each
		6-19-CC-54	Aircell pipe insulation	17 LF
1	29	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	48 SF
1	31	6-19-CC-58	Off white 9"x 9" floor tile	1,295 SF
		6-19-CC-14	Black 9"x 9" mastic	1,620 SF
		6-19-CC-63	Brown/white square leaf pattern sheet flooring	540 SF
		6-19-CC-67	Paper insulation at ceiling mounted heater	2 @ 8 SF each
1	32	6-19-CC-67	Paper insulation at ceiling mounted heater	5 SF
1	33	6-19-CC-70	White medallion sheet flooring	28 SF
1	34	6-19-CC-70	White medallion sheet flooring	128 SF
1	32	6-19-CC-71	Brown wall panel adhesive	60 SF
St	35	6-19-CC-76	Joint compound	350 SF
2	36	6-19-CC-76	Joint compound	653 SF
		6-19-CC-79	Dark grey 9"x 9" floor tile	165 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	195 SF
2	37-hall	6-19-CC-76	Joint compound	96 SF
2	38	6-19-CC-76	Joint compound	200 SF
2	39	6-19-CC-76	Joint compound	316 SF
		6-19-CC-87	Black anti-condensate	5 SF
2	40	6-19-CC-76	Joint compound	100 SF
2	41	6-19-CC-76	Joint compound	498 SF
2	41	6-19-CC-89	Cloth gasket on wall heater assembly	2 @ 1 LF each
2	42	6-19-CC-90	Chimney flue cement	1 SF
		6-19-CC-76	Joint compound	394 SF
2	43	6-19-CC-76	Joint compound	360 SF

FLOOR	ROOM	SAMPLE NO.	MATERIAL TYPE	QUANTITY
2	43	6-19-CC-79	Dark grey 9"x 9" floor tile	72 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	72 SF
2	44	6-19-CC-76	Joint compound	576 SF
2	45	6-19-CC-76	Joint compound	608 SF
2	46	6-19-CC-76	Joint compound	512 SF
2	47	6-19-CC-76	Joint compound	200 SF
		6-19-CC-94	Yellow/brown speckled sheet flooring	18 SF
2	48	6-19-CC-76	Joint compound	524 SF
2	49	6-19-CC-76	Joint compound	608 SF
2	49A	6-19-CC-79	Dark grey 9"x 9" floor tile	15 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	15 SF
		6-19-CC-76	Joint compound	140 SF
2	50	6-19-CC-76	Joint compound	472 SF
2	51	6-19-CC-76	Joint compound	384 SF
2	52	6-19-CC-76	Joint compound	250 SF
2	53	6-19-CC-76	Joint compound	472 SF
2	54	6-19-CC-79	Dark grey 9"x 9" floor tile	20 SF
2	54	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	20 SF
2	54	6-19-CC-76	Joint compound	164 SF
2	55	6-19-CC-76	Joint compound	164 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	20 SF
2	56	6-19-CC-107	Imitation wood grain 9"x 9" floor tile	288 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	288 SF
		6-19-CC-76	Joint compound	832 SF
2	57	6-19-CC-107	Imitation wood grain 9"x 9" floor tile	25 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	25 SF
		6-19-CC-76	Joint compound	225 SF
2	57	6-19-CC-108	Light fixture paper	1 SF
2	54	6-19-CC-108	Light fixture paper	1 SF
2	55	6-19-CC-108	Light fixture paper	1 SF
2	58	6-19-CC-107	Imitation wood grain 9"x 9" floor tile	504 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	504 SF
		6-19-CC-76	Joint compound	1240 SF
2	60	6-19-CC-109	Grey 12"x 12" floor tile	470 SF

FLOOR	ROOM	SAMPLE NO.	MATERIAL TYPE	QUANTITY
2	60	6-19-CC-110	Black mastic associated with grey 12"x 12" floor tile	470 SF
2	59	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	156 SF
		6-19-CC-76	Joint compound	614 SF
2	59-closet	6-19-CC-111	Paper insulation on duct on HVAC unit	2 @ 2 SF each
2	61	6-19-CC-76	Joint compound	866 SF
		6-19-CC-109	Grey 12"x 12" floor tile	306 SF
		6-19-CC-110	Black mastic associated with grey 12"x 12" floor tile	306 SF
3	36	6-23-CC-02	Brown with dark brown streaks 9"x 9" floor tile	9 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	213 SF
		6-23-CC-05	Joint compound	616 SF
		6-23-CC-08	Sand textured ceiling paint	616 SF
3	67	6-23-CC-05	Joint compound	364 SF
3	69	6-23-CC-05	Joint compound	614 SF
3	70	6-23-CC-05	Joint compound	450 SF
3	71	6-23-CC-05	Joint compound	128 SF
3	72	6-23-CC-16	Tan square and octagon pattern vinyl sheet flooring	16 SF
		6-23-CC-05	Joint compound	184 SF
3	73	6-23-CC-05	Joint compound	768 SF
3	75	6-23-CC-05	Joint compound	624 SF
3	76	6-23-CC-05	Joint compound	584 SF
3	77	6-23-CC-05	Joint compound	800 SF
3	78	6-23-CC-02	Brown with dark brown streaks 9"x 9" floor tile	108 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	108 SF
3	78	6-23-CC-05	Joint compound	444 SF
		6-23-CC-08	Textured ceiling paint	108 SF
3	78A	6-23-CC-05	Joint compound	181 SF
		6-23-CC-08	Textured ceiling paint	27 SF
3	79	6-23-CC-05	Joint compound	426 SF
		6-23-CC-08	Textured ceiling paint	90 SF
3	80	6-23-CC-05	Joint compound	170 SF
		6-23-CC-08	Textured ceiling paint	36 SF

FLOOR	ROOM	SAMPLE NO.	MATERIAL TYPE	QUANTITY
3	80A	6-23-CC-05	Joint compound	90 SF
		6-23-CC-08	Textured ceiling paint	12 SF
3	81	6-23-CC-05	Joint compound	540 SF
		6-23-CC-08	Textured ceiling paint	140 SF
3	81A	6-23-CC-02	Brown with dark brown streaks 9"x 9" floor tile	6 SF
		6-19-CC-14	Black mastic associated with 9"x 9" floor tile	6 SF
		6-23-CC-08	Textured ceiling paint	6 SF
		6-23-CC-05	Joint compound	90 SF
3	82	6-23-CC-05	Joint compound	204 SF
3	83	6-23-CC-05	Joint compound	420 SF
		6-23-CC-08	Textured ceiling paint	120 SF
3	83A	6-23-CC-08	Textured ceiling paint	8 SF
		6-23-CC-05	Joint compound	80 SF
3	83B	6-23-CC-08	Textured ceiling paint	8 SF
		6-23-CC-05	Joint compound	88 SF
3	84	6-23-CC-29	Yellow marbled vinyl sheet flooring	19 SF
		6-23-CC-05	Joint compound	200 SF
3	85	6-23-CC-05	Joint compound	300 SF
3	86	6-23-CC-05	Joint compound	176 SF
3	87	6-23-CC-39	Fancy diamond and octagon pattern vinyl sheet flooring	38 SF
		6-23-CC-40	Firebrick orange vinyl sheet flooring	42 SF
		6-23-CC-05	Joint compound	250 SF
		6-23-CC-08	Textured ceiling paint	42 SF
3	88	6-23-CC-05	Joint compound	488 SF
3	88	6-23-CC-08	Textured ceiling paint	108 SF
3	89	6-23-CC-05	Joint compound	331 SF
		6-23-CC-08	Textured ceiling paint	81 SF
3	89A	6-23-CC-05	Joint compound	88 SF
		6-23-CC-08	Textured ceiling paint	8 SF
3	89B	6-23-CC-05	Joint compound	88 SF
		6-23-CC-08	Textured ceiling paint	8 SF
3	90	6-23-CC-05	Joint compound	163 SF
		6-23-CC-08	Textured ceiling paint	27 SF

FLOOR	ROOM	SAMPLE NO.	MATERIAL TYPE	QUANTITY
3	91	6-19-CC-14	Black mastic associated with 9"x 9" floor tile	20 SF
		6-23-CC-05	Joint compound	230 SF
		6-23-CC-08	Textured ceiling paint	28 SF
3	92	6-23-CC-05	Joint compound	153 SF
		6-23-CC-08	Textured ceiling paint	33 SF
3	92A	6-23-CC-05	Joint compound	204 SF
		6-23-CC-08	Textured ceiling paint	30 SF
3	92B	6-23-CC-05	Joint compound	32 SF
		6-23-CC-08	Textured ceiling paint	4 SF
3	93	6-23-CC-05	Joint compound	330 SF
		6-23-CC-08	Textured ceiling paint	99 SF
3	93A	6-23-CC-05	Joint compound	88 SF
3	94	6-23-CC-05	Joint compound	330 SF
		6-23-CC-08	Textured ceiling paint	72 SF
3	95	6-23-CC-05	Joint compound	330 SF
		6-23-CC-08	Textured ceiling paint	108 SF

* Materials confirmed positive by additional analysis.

Exterior:

LOCATION	SAMPLE NO.	MATERIAL TYPE	QUANTITY
Main roof	6-23-CC-49	Flashing felts at chimney	4 @ 4 SF each
Lower roof	6-23-CC-50	Flashing tar	33 LF
	6-23-CC-51	Flashing tar at lower roof edges	Not quantified
Facade A	6-23-CC-54	Tan caulk at panels	200 LF
Exterior D	6-23-CC-56	Yellow caulk at door	17 LF

Utilizing PLM, the following materials were determined to be NON-ACM:

**TABLE II
NON-ASBESTOS CONTAINING MATERIALS**

Interior:

FLOOR	ROOM	SAMPLE NO.	MATERIAL
0	01	6-19-CC-01	Red brick style vinyl sheet flooring

FLOOR	ROOM	SAMPLE NO.	MATERIAL
2	44	6-19-CC-04, 05, 06, 07, 08	Plaster rough coat
St	09	6-19-CC-09	Basement sheetrock
		6-19-CC-10, 11, 12	Basement joint compound
		6-19-CC-13	Grey 9"x 9" floor tile (Positive Mastic)
		6-19-CC-15	Navy blue stair tread
0	14	6-19-CC-16	Burner gun gasket
		6-19-CC-17	Rope insulation
1	18	6-19-CC-20	Grey with green and white streaks 9"x 9" floor tile (Positive Mastic)
		6-19-CC-21	First floor sheetrock
		6-19-CC-22, 23, 24	First floor joint compound
1	19	6-19-CC-25	Tan square pattern sheet flooring
		6-19-CC-28	Brown floor tile adhesive
1	20	6-19-CC-29	1'x 1' large hole ceiling tile
		6-19-CC-30	White cracked pattern 12"x 12" floor tile
		6-19-CC-31	Red 12"x 12" floor tile
		6-19-CC-32	Grey with white streaks 12"x 12" floor tile
1	21	6-19-CC-33	Orange 12"x 12" floor tile
		6-19-CC-34	Yellow mastic associated with orange 12"x 12" floor tile
		6-19-CC-35	White mastic associated with orange 12"x 12" floor tile
		6-19-CC-36, 37, 38	Swirl pattern textured wall paint
1	22	6-19-CC-39	Grey with multicolored streaks 12"x 12" floor tile
		6-19-CC-40	Tan adhesive associated with grey multi-colored 12"x 12" floor tile
		6-19-CC-41	Top layer brown vinyl cove base
1	23	6-19-CC-43	2'x 4' hole and fissure acoustical ceiling tile
1	24	6-19-CC-44	Tan carpet adhesive
		6-19-CC-45	Tan with brown specks 12"x 12" floor tile
		6-19-CC-46	Blue vinyl cove base under outer layer sheetrock
		6-19-CC-47	Outer layer sheetrock
1	25	6-19-CC-48	Black mastic associated with tan with brown specks 12"x 12" floor tile
1	27	6-19-CC-49	Black vinyl cove base
		6-19-CC-50	Yellow vinyl cove base adhesive
1	28	6-19-CC-57	Vapor paper on sub floor

FLOOR	ROOM	SAMPLE NO.	MATERIAL
1	31	6-19-CC-60	Orange 9"x 9" floor tile (Positive Mastic)
		6-19-CC-61	Orange carpet glue
		6-19-CC-62	Yellow stone pattern sheet flooring
		6-19-CC-64	White chimney flue cement
		6-19-CC-65	2'x 4' hole and fissure acoustical ceiling tile
		6-19-CC-66	1'x 1' smooth face ceiling tile above 2'x 4' hole and fissure
		6-19-CC-68	Tar paper under plywood flooring
1	32	6-19-CC-69	White caulk at block window
St	35	6-19-CC-72	Brown diamond grid pattern stair tread
		6-19-CC-73	Brown lined stair tread
		6-19-CC-74	Brown adhesive associated with brown lined stair tread
		6-19-CC-75	Second floor sheetrock
3	36	6-19-CC-81	Tan with brown/white streaks 9"x 9" floor tile (Positive Mastic)
2	38	6-19-CC-82	White diamond pattern 12"x 12" self adhesive floor tile
		6-19-CC-83	Brown wall panel adhesive
2	39	6-19-CC-84	White and blue with ducks and hearts 12"x 12" self adhesive floor tile
		6-19-CC-85	Brown tan rectangular pattern 12"x 12" self adhesive floor tile
		6-19-CC-86	White with roses 12"x 12" self adhesive floor tile
2	40	6-19-CC-88	White with blue leaves 12"x 12" self adhesive floor tile
2	44	6-19-CC-91	White/tan pattern sheet flooring
		6-19-CC-92	Yellow sheet flooring adhesive
2	44A	6-19-CC-93	Yellow with diamond sheet flooring
2	48	6-19-CC-95	Smooth faced 2'x 4' acoustical ceiling tile
2	49A	6-19-CC-96	Green streaked sheet flooring
2	49	6-19-CC-97, 98, 99	Slm coat plaster
2	50	6-19-CC-100	Multi-colored square pattern vinyl sheet flooring
2	51	6-19-CC-101	White squares with pink flowers vinyl sheet flooring
2	52	6-19-CC-102	White square pattern vinyl sheet flooring
2	53	6-19-CC-103	Yellow hour glass pattern 12"x 12" self adhesive floor tile
2	54	6-19-CC-104	Yellow ceramic wall tile adhesive
2	55	6-19-CC-105	Grey vinyl cove base
		6-19-CC-106	Brown vinyl cove base adhesive

FLOOR	ROOM	SAMPLE NO.	MATERIAL
St	62	6-23-CC-01	Black lined stair tread cover
3	36	6-23-CC-03	Tan mastic associated with brown floor tile
		6-23-CC-04	Sheetrock
3	66	6-23-CC-12	Orange vinyl sheet flooring
3	70	6-23-CC-13	Residual black mastic tar felts
3	71	6-23-CC-15	White caulk at drainpipes
3	72	6-23-CC-17	Yellow with yellow and brown specks 12"x 12" floor tile
		6-23-CC-18	Black shower caulk at window
		6-23-CC-19	White tub caulk
		6-23-CC-20	Yellow adhesive behind shower panel
3	73	6-23-CC-21	Blue square pattern vinyl sheet flooring
3	74 A	6-23-CC-22	Fancy pattern vinyl sheet flooring
3	74	6-23-CC-23	2'x 4' smooth faced acoustical ceiling tile
3	78	6-23-CC-24	Brown and tan square pattern vinyl sheet flooring
3	79	6-23-CC-25	Yellow diamond shaped vinyl sheet flooring
		6-23-CC-26	Yellow mastic associated with yellow diamond vinyl sheet flooring
3	82	6-23-CC-27	Brown vinyl cove base
		6-23-CC-28	2'x 4' closed fissure acoustical ceiling tile
3	84	6-23-CC-30	Tan vinyl cove base
		6-23-CC-31	Brown vinyl cove base adhesive
		6-23-CC-32, 33, 34	Popcorn textured ceiling paint
3	86	6-23-CC-35	Soft tan adhesive behind white panels
		6-23-CC-36	Tan surfacing adhesive at sink
3	86	6-23-CC-37	White with black diamonds vinyl sheet flooring
		6-23-CC-38	Brown, tan and green unidentified flooring
3	91	6-23-CC-41	Yellow 9"x 9" floor tile (Positive Mastic)
		6-23-CC-42	Beige mastic associated with 9"x 9" floor tile
		6-23-CC-43	Unidentified flooring
		6-23-CC-44	Gray vinyl cove base
3	92A	6-23-CC-45	Tan square pattern with pink lines vinyl sheet flooring
		6-23-CC-46	Black self adhesive flooring
3	94	6-23-CC-47	Square with flower vinyl sheet flooring

** Material confirmed negative by additional analysis.

Exterior:

LOCATION		SAMPLE NO.	MATERIAL TYPE
Main roof		6-23-CC-48	Tar on felts at chimney
Lower roof		6-23-CC-52	Rolled asphalt
Exterior B		6-23-CC-53	Rubberized seals at corner panels
Exterior C		6-23-CC-55	White caulk at 1-32 rear door
3	64	6-23-CC-11	White hard window glazing compound

**TABLE III
PLM POINT COUNT RESULTS**

The following materials analyzed utilizing the Point Count Method:

FLOOR	ROOM	SAMPLE NO.	MATERIAL	RESULTS
1	22	6-19-CC-41	Top layer brown vinyl cove base	.27 % Chrysotile
1	25	6-19-CC-48	Black mastic associated with tan with brown specks 12"x 12" floor tile	.25 % Chrysotile
2	36	6-19-CC-81	Tan with brown/white streaks 9"x 9" floor tile	.25 % Chrysotile
2	53	6-19-CC-103	Yellow hourglass pattern 12"x 12" self adhesive floor tile	.75 % Chrysotile
3	36	6-23-CC-03	Tan mastic associated with brown floor tile	0.57 % Chrysotile
		6-23-CC-05	Joint compound	3.50 % Chrysotile
		6-23-CC-08	Sand textured ceiling paint	1.90 % Chrysotile

The suspect materials determined to be ACM utilizing the PLM Point Count method have been included in Table I.

Conclusion

During the course of the building inspection one hundred sixty-seven (167) bulk samples of suspect ACM were collected and one hundred fifty-seven (157) samples were analyzed based on the "stop on first positive" request to the laboratory. Additionally, seven (7) samples were analyzed using the PLM Point Count Method. A complete inventory of identified ACM is listed in the Table I of the Results section of this report.

Several varieties of ACM's were identified during the survey. Both friable and non-friable ACM's were identified. The transite panels, vinyl sheet flooring, floor tiles, floor tile mastic, vinyl cove base adhesive, wall panel adhesive, flashing tar and caulk are classified as non-friable miscellaneous materials. These materials are in good to fair condition throughout the building. Three types of 9"x9" floor tiles were determined to be negative utilizing PLM analysis. Additional analysis is generally recommended for these materials. However, since the associated

mastics were determined to be ACM, no further analysis of these floor tiles is recommended. The floor tiles will be treated as ACM's during abatement of the mastic.

The light fixture paper, cloth gaskets at heaters, chimney flue cement, and joint compound are classified as friable miscellaneous ACM's. The joint compound was further analyzed utilizing the PLM Point Count method. The joint compound was determined to contain greater than one percent (1%) asbestos utilizing this method. Asbestos containing joint compound was found to be present on the second and third floors, but not the first. Additional joint compound sampling is recommended on the first floor prior to renovations.

The aircell pipe insulation, mudded insulation on pipefittings and paper insulation at ceiling mounted heaters are classified as friable thermal systems insulation. The textured ceiling paint is classified as a friable surfacing material.

The main roof was not accessible for inspection and requires sampling prior to roof renovation work.

Eagle Environmental, Inc. recommends that a project scope of work be developed for the abatement of identified ACM's at the site.

All asbestos containing materials that will potentially be impacted by renovations must be removed prior to renovation activities. A State of Connecticut Licensed asbestos abatement contractor must be retained to perform the removal work. Visual inspections and final air clearance sampling must be performed within each abatement area at the completion of the abatement work. The visual inspections and final air clearance sampling must be performed by a State of Connecticut licensed Project Monitor. The abatement areas must meet final visual inspection and final air clearance sampling criteria prior to the abatement area being reoccupied.

LEAD-BASED PAINT SCREEN AND WASTE CHARACTERIZATION SAMPLING

Introduction

OSHA

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead in Construction. This regulation requires that painted surfaces be tested for lead on a renovation project prior to the commencement of renovation activities. If LBP is identified during the initial testing, a series of activities must occur in order for the contractor to maintain compliance with this regulation.

Initially, the individual task (e.g. demolition of plaster walls or removal of window sashes) must be assessed to determine if during the procedures workers are being exposed to lead dust exceeding the action level of 30 ug/m³ of lead dust. The assessment is performed by personal exposure monitoring to determine if the action level is being exceeded. An action level is

defined as a maximum concentration to which an employee may be exposed to prior to medical monitoring and awareness training being required. If the action level is not exceeded for the specific task; then all other requirements of the regulation do not apply. If the action level is exceeded for an individual task, then the remaining requirements of the regulation apply. These requirements include general awareness training regarding lead dust exposure, medical monitoring, respiratory protection, engineer controls and hygiene facilities for workers.

Currently, OSHA does not define a threshold level of lead in paint that may cause worker exposure. Any detectable level of lead in paint requires task specific exposure monitoring.

Sampling

XRF Screen

In order to determine if LBP existed at this site, a lead paint screen was conducted utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 1364.

Prior to any testing, the XRF was calibrated against know lead reference standard. Testing was initiated upon successful calibration checks against the referenced standard. The screening includes XRF-testing of painted components that may contain lead and will contribute to the waste stream and will be impacted by workers conducting renovation activities (i.e. plaster removal, architectural component removal, painting, etc.).

The lead screen includes testing limited components and or surfaces throughout the structure. It is not the intent to test all painted components, but to identify on a broad scale the impact of lead paint as it relates to disposal and potential exposure issues. Generally, wall and ceiling surfaces, painted floors, window systems and door systems are tested. Other components such as baseboards, cabinets, columns, trim, etc. are tested on a limited basis. XRF testing results are manually recorded on to field data sheets that are located in Appendix C. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" side following in a clockwise order.

Results

XRF Results

A total of two hundred and thirty (230) XRF readings were collected at the site. The XRF results indicated the presence of lead in paint (greater than 1.0 mg/cm²) on various wood walls and ceilings, various doors and associated trim, various baseboards, various window trim components and window sashes, a metal vent pipe, and various stair components. Many other components that were tested contained low levels of lead (below 1.0 mg/cm²) and must be considered potential sources of exposure during renovation work.

Lead in air personal exposure monitoring must be performed during tasks that impact the painted components that contain lead. The workers performing the lead disturbing tasks must have lead awareness training in accordance with OSHA 29 CFR 1926.62. Additional requirements related to the 29 CFR 1926.62 are also applicable to this project.

PCB AND DEHP CONTAINING LIGHT BALLAST

Inspection

In order to determine if PCB or DEHP containing light ballast existed at this site, individual light fixtures were disassembled and the ballast were visually inspected for labeling indicating the absence of PCB's. Ballasts that were labeled "NO PCB's" were assumed to contain DEHP if the manufacturers date stamp was between 1980 and 1991. Ballasts that were not labeled "NO PCB's" were assumed to contain PCB's if they contained no date stamp. Any ballast with a manufacturers date stamp after 1991 were considered non hazardous.

Discussion

Both PCBs and DEHP have been used in the past during the manufacturing of magnetic lighting ballast. In their pure form, both are listed as Resource Conservation and Recovery Act (RCRA) hazardous materials that require special handling and disposal. Both of these fluids were contained in small capacitors located inside the body of the ballast. The physical properties associated with these materials provided excellent matrixes for cooling fluids in the ballast.

PCBs were commonly used until 1979 when their use was banned by the USEPA. After 1979, ballast manufacturers began using DEHP in the capacitors. The use of DEHP was discontinued in 1991 when the EPA reclassified the material in its pure form as hazardous waste. It is therefore safe to assume than any magnetic ballast manufactured between 1980 and 1991 would contain DEHP. Any magnetic ballast manufactured after 1991 is currently exempt from "cradle to grave" hazardous materials regulations. The manufacturers typically date stamped all ballast to assist in the classification of the ballast.

Results and Conclusion

A total of ninety -(90) light ballasts were identified at the site. General Electric, Universal, MagneTek, Motorola, Regent, and Sola manufactured the ballasts at the site. All of the ballasts observed at the site indicated they were manufactured with "No PCBs". However, there were no date stamps indicating that the ballasts were manufactured after 1991. Therefore, the ballasts at the site must be assumed to contain DEHP and must be properly removed, packaged and recycled if they will be disturbed by renovation activities.

MERCURY VAPOR LAMPS AND THERMOSTATIC CONTROLS

Inspection

All fluorescent lamps were assumed to contain Mercury Vapors at the site. Individual light fixtures were counted and a total number of lamps were generated from the visual inspection.

Thermostatic controls were disassembled and inspected for the presence of mercury bulbs.

Discussion

Mercury is a harmful substance to both human health and the environment. It is regulated by the United States Environmental Protection Agency under the Resource Conservation Recovery Act (RCRA). The USEPA has adopted the Universal Waste Rule for the management of spent fluorescent lamps. This new ruling states that lamps must either be recycled or handled as hazardous waste. Improper disposal of mercury waste, including lamps, can lead to future Superfund liability.

Results and Conclusion

A total of fifteen (15) two-foot light tubes, eighty-eight (88) four-foot light tubes, and seventy-eight (78) eight-foot light tubes were identified at the site. Sylvania, General Electric, ITT, and Philips manufactured the light tubes. Additionally, four (4) thermostatic controls with mercury gauges were identified in Rooms 1-20, 1-25, 1-28, and 1-31. The light tubes and thermostatic controls that will potentially be disturbed during renovations must be removed, packaged and properly recycled.

PIGEON GUANO

Inspection

Eagle Environmental, Inc. conducted a visual inspection of the building for the presence of pigeon guano. The inspection focused on areas where pigeons are known to roost. These areas include but are not limited to attic spaces, above ceilings and soffit areas. The visual inspection was conducted by Chris Liberti and Caleb Cowles.

Discussion

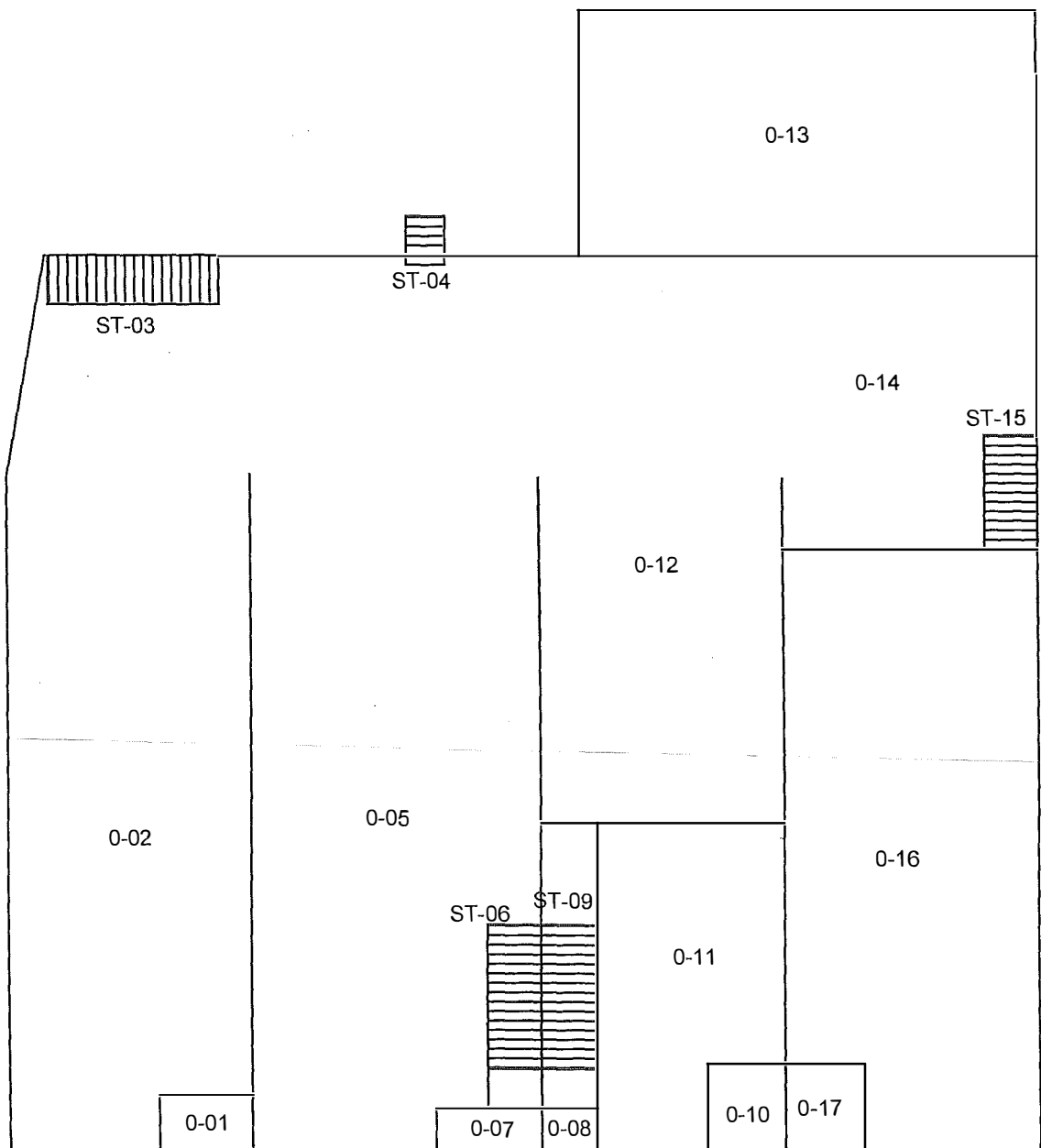
Pigeon guano can accumulate in buildings where pigeons roost. Exposure to dried pigeon guano can lead to certain pulmonary diseases and disorders. The most common pulmonary disease associated with exposure to pigeon guano is Histoplasmosis. This is an infection caused by exposure to the fungus *Histoplasma Capsulatum* that can be present in pigeon guano.

The inspection included a room-by-room evaluation for the presence of pigeons or pigeon guano. The inspectors evaluated above rigid ceilings where feasible. Certain areas of the building were

not accessible for inspection such as above the third floor ceiling and within the soffits. Certain assumptions are made within this report as to the presence of guano in these areas.

Results and Conclusion

The inspectors observed pigeons flying into the building overhang on the front right façade and the rear lower façade of the building. It is assumed that pigeons are using areas in the overhangs and third floor ceiling as roosting areas. These areas are assumed to contain deposits of pigeon guano. The extent and volume of the pigeon guano is unknown. The extent and volume of pigeon guano in these areas will be determined during the design phase of the project. The wholes in the overhangs should be blocked with wire mesh as an interim control until renovation work is started. The remaining areas of the building did not contain any significant accumulations of pigeon guano.



N.T.S.



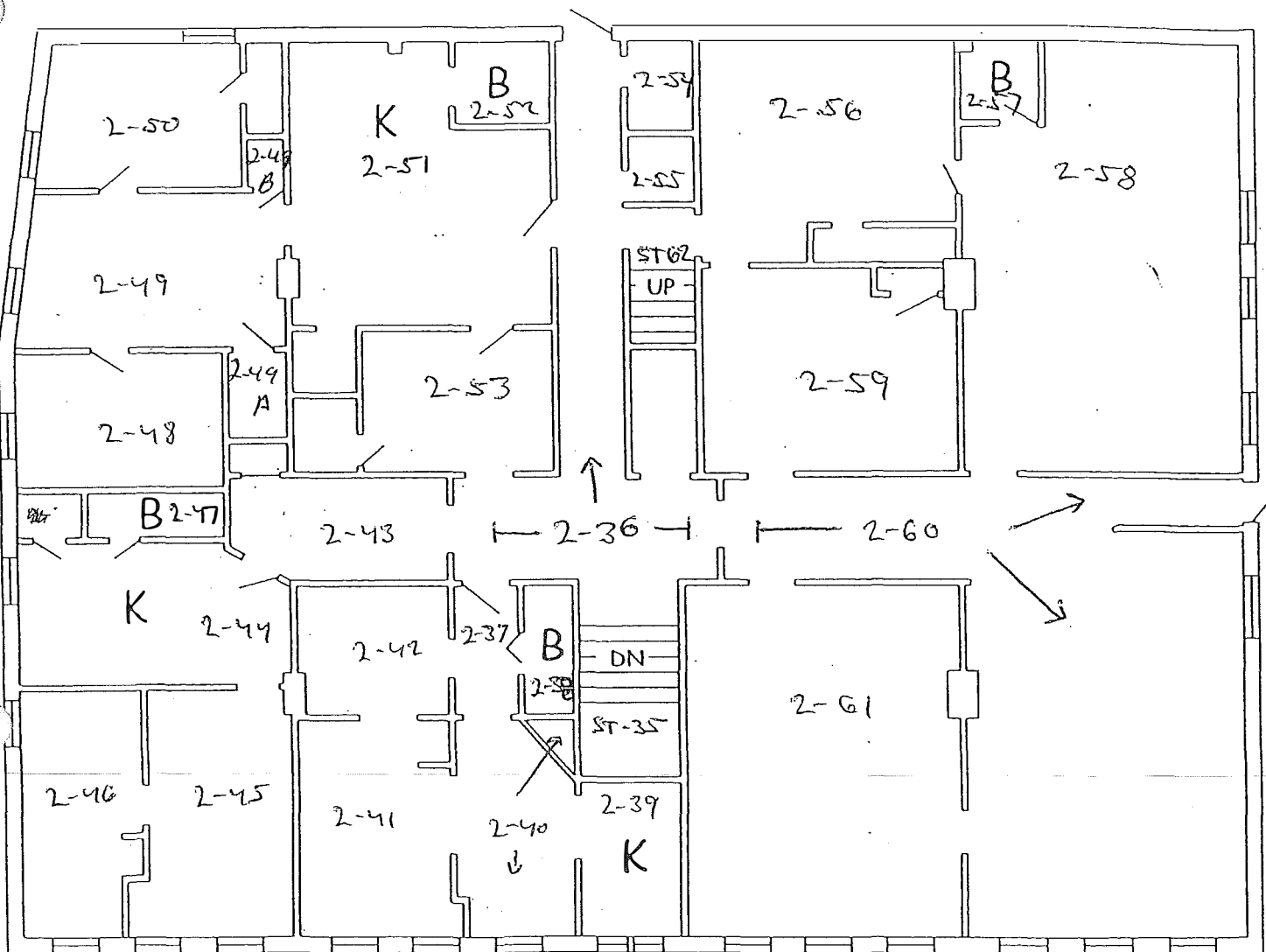
EAGLE ENVIRONMENTAL, INC.
481 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
Phone: (860) 589-8257

BASEMENT
30-36 MAIN STREET
VERNON, CONNECTICUT

FP1

7/9/03

03-131



CITIZEN'S BLOCK - 32 PARK PLACE
SECOND FLOOR

K = Kitchen B = Bathroom

N.T.S.

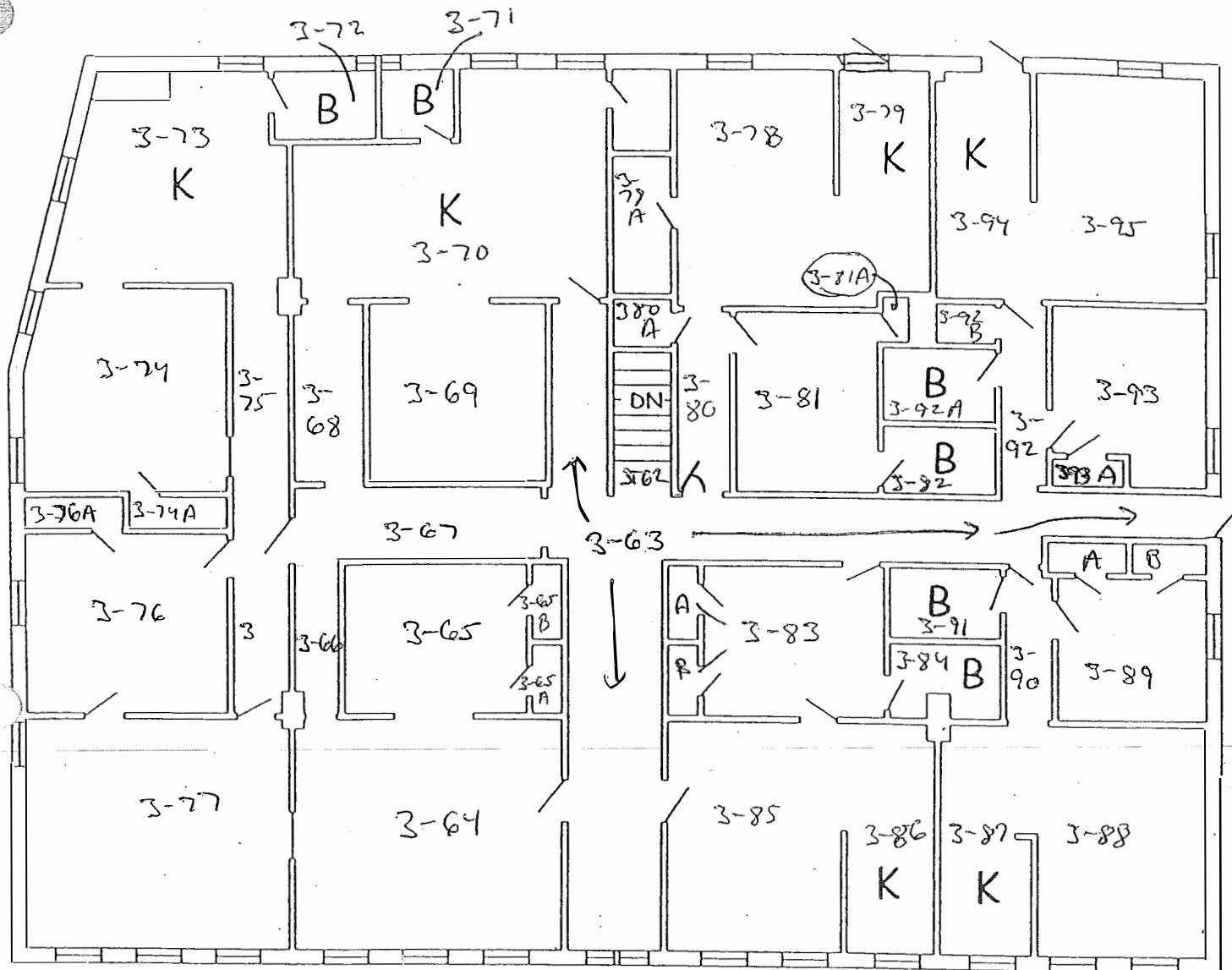
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Phone: (860) 589-8257

SECOND FLOOR
30-36 MAIN STREET
VERNON, CONNECTICUT

FP3

7/9/03

03-131



CITIZEN'S BLOCK - 32 PARK PLACE THIRD FLOOR

K = Kitchen B = Bathroom

N.T.S.

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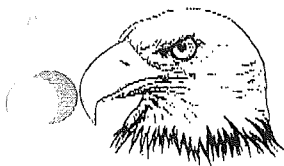
THIRD FLOOR
30-36 MAIN STREET
VERNON, CONNECTICUT

FP4

7/9/03

03-131

220301392



EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-23-CC-01	ST-62	Black lined stair tread cover	NAD
6-23-CC-02	3-36	Brown with dark brown streaks 9x9 Floor tile	4% Chrysotile
6-23-CC-03		Tan Mastic Associated With Brown Floor Tile	0.54% Chrysotile
6-23-CC-04		Sheet Rock	NAD
6-23-CC-05	↓	Joint Compound	3.50 Chrysotile
6-23-CC-06	3-78		DNA
6-23-CC-07	3-87		DNA
6-23-CC-08	3-36	Sand Textured Ceiling Paint	1.90% Chrysotile
6-23-CC-09	3-78		DNA
6-23-CC-10	3-89		DNA
6-23-CC-11	3-64	White Hard Window Glazing	NAD
6-23-CC-12	3-66	Orange Vinyl Sheet flooring	↓

Test Method: PLM Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

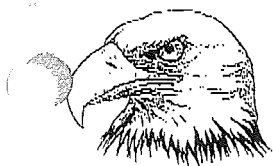
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Samples Sent By: [Signature] Date: 7-7-03 Time: PM

Samples Received By: [Signature] Date: 7-8-03 Time: 11:14am

Shipped To: EMSL - Elmsford
481 NORTH MAIN STREET • UNIT 11 • BRISTOL, CT 06010
P:\Admin\Forms2000\PLMSAMPLE.WPD PHONE (860) 589-8257 • FAX (860) 585-7034

220301342



EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-23-CC-13	3-70	Residual Black mastic Tar felts	
6-23-CC-15	3-71	White Caulk at drain pipe	
6-23-CC-16	3-72	Tan square and octagon pattern Vinyl Sheet Flooring	35% Chrysotile
6-23-CC-17		Yellow with yellow and brown speckles 12x12 Floor Tile	
6-23-CC-18		Black Shower Caulk at window	
6-23-CC-19		White tub Caulk	
6-23-CC-20	↓	Yellow Adhesive behind Shower Panels	
6-23-CC-21	3-73	Blue square patterned Vinyl sheet flooring	
6-23-CC-22	3-74A	Fancy Pattern Vinyl sheet flooring	
6-23-CC-23	3-74	2x4 Smooth faced Acoustic ceiling tile	
6-23-CC-24	3-78	Brown and Tan square pattern Vinyl sheet flooring	
6-23-CC-25	3-79	Yellow Diamond Shaped Vinyl sheet flooring	

Test Method: PLM Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

☐ Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

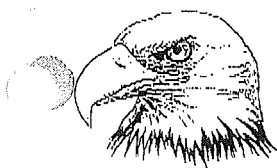
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Samples Sent By: [Signature] Date: 6-27-03 Time: pm

Samples Received By: M. Neagle Date: 7-8-03 Time: 11:14 am

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481 NORTH MAIN STREET • UNIT 11 • BRISTOL, CT 06010
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220301392



EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon – 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-23-CC-26	3-79	yellow marks associated with yellow diamond vinyl sheet flooring	
6-23-CC-27	3-82	Brown Vinyl Cove Base	
6-23-CC-28	3-83	2x4 closed fissure Acoustic Ceiling Tile	
6-23-CC-29	3-84	Yellow Marbled Vinyl Sheet flooring	20% Chrysotile
6-23-CC-30		Tan Vinyl Cove Base	
6-23-CC-31		Brown Vinyl Cove Base Adhesive	
6-23-CC-32	↓	Popcorn Textured Ceiling Paint	
6-23-CC-33	3-85		
6-23-CC-34	3-86		
6-23-CC-35		Soft tan adhesive behind white panels	
6-23-CC-36		Tan Surfacing Adhesive at Sink	
6-23-CC-37	↓	White with black diamonds vinyl sheet flooring	

Test Method: PLM Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

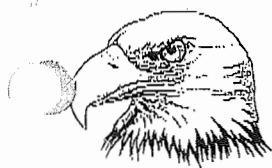
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Samples Sent By: [Signature] Date: 8-7-03 Time: PM

Samples Received By: Mneagle Date: 7-8-03 Time: 11:14am

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220301342



EAGLE

ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
 PROJECT NO. 03-131

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO	LOCATION	MATERIAL TYPE	% ASBESTOS
6-23-CC-38	3-86	Brown, Tan and Green unidentified flooring	
6-23-CC-39	3-87	Fancy Diamond and octagon pattern Vinyl sheet flooring	12% Chrysotile
6-23-CC-40	↓	Firebrick orange Vinyl sheet flooring	18% Chrysotile
6-23-CC-41	3-91	Yellow 9x9 Floor Tile	
6-23-CC-42	↓	Beige Mastic Associated with 9x9 Floor Tile	
6-23-CC-43	↓	Unrecognizable Flooring	
6-23-CC-44	↓	Grey Vinyl Cove base	
6-23-CC-45	3-92A	Tan Square Pattern with Pink lines Vinyl sheet flooring	
6-23-CC-46	↓	Black Self Adhesive flooring	
6-23-CC-47	3-94	Square with flowers Vinyl sheet flooring	
6-23-CC-48	Main Roof	Tar on felts at chimney	
6-23-CC-49	↓	Felts	26% Chrysotile

Test Method: PLM Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

☐ Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

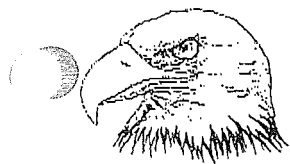
Samples Collected By: [Signature] Date: 6-23-03 Time: AM/PM

Samples Sent By: [Signature] Date: 6-24-03 Time: PM

Samples Received By: Uneagle Date: 7-8-03 Time: 11:45 AM P

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220301 342



EAGLE

ENVIRONMENTAL, INC.

EAGLE PROJECT NAME: Town of Vernon - 30-36 Main Street, Vernon, CT
 PROJECT NO. 03-131

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-23-CC-50	Lower Roof	Flashing Tar	60% Chrysotile
6-23-CC-51	" "	Flashing tar @ ^{Lower} roof edges	70% Chrysotile
6-23-CC-52	" "	Rolled Asphalt	NAD
6-23-CC-53	"B" Facade	Rubber scales @ corner panels	NAD
6-23-CC-54	"A" Facade	Brittle tan caulk @ panels	70% Chrysotile
6-23-CC-55	"C" Facade	White caulk @ 1-32 Rear door	NAD
6-23-CC-56	"D" Facade	Brittle yellow caulk @ door	10% Chrysotile
6-23-CC-14	3-71	Brown w/ brown & white specks "quik" floor tile	NAD

Test Method: PLM Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

☐ Stop on first positive for samples numbers _____ thru _____

☐ Please Point Count any samples analyzed as Trace asbestos content.

Samples Collected By: Caleb Coules Date: 6.23.03 Time: AM/PM

Samples Sent By: Caleb Coules Date: 7.7.03 Time: PM

Samples Received By: mneagle Date: 7-8-03 Time: 11:14 am

Shipped To: EMSL - Elmsford

EMSL Analytical, Inc.

175 Clearbrook Road, Elmsford, NY 10523

Phone: (914) 592-4889 Fax: (914) 592-6798 Email: elmsfordlab@emsl.com

EMSL

Attn: Pete/Ray Folino
Eagle Environmental, Inc. (CT)
481 North Main Street
Unit 11
Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257

Project: 03-131/Town of Vernon-30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50
Customer PO:
Received: 07/08/03 11:14 AM

EMSL Order: 220301392
EMSL Project ID:

Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-23-CC-01 220301392-0001	ST-62	Black Non-Fibrous Heterogeneous	Dissolved		100% Matrix	None Detected
6-23-CC-02 220301392-0002	3-36	Brown Fibrous Heterogeneous	Crushed		96% Non-fibrous (other)	4% Chrysotile
6-23-CC-03 220301392-0003	3-36	Yellow/Black Non-Fibrous Heterogeneous	Dissolved	2% Cellulose	17% Non-fibrous (other) 80% Matrix	1% Chrysotile
6-23-CC-04 220301392-0004	3-36	White/Gray Fibrous Heterogeneous	Teased	15% Cellulose	5% Non-fibrous (other) 80% Gypsum	None Detected
6-23-CC-05 220301392-0005	3-36	Gray/Tan Fibrous Heterogeneous	Dissolved	20% Cellulose	12% Non-fibrous (other) 10% Mica 55% Ca Carbonate	4% Chrysotile
6-23-CC-06 220301392-0006	3-78					Not Analyzed
6-23-CC-07 220301392-0007	3-87					Not Analyzed
6-23-CC-08 220301392-0008	3-36	Tan Fibrous Heterogeneous	Dissolved	10% Cellulose	13% Non-fibrous (other) 10% Mica 65% Ca Carbonate	2% Chrysotile

Analyst(s)

Jim Hall (5)

or other approved signatory

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Analysis performed by EMSL Elmsford (NVLAP #200333-0), NY ELAP 11883

PLM-1

EMSL Analytical, Inc.

175 Clearbrook Road, Elmsford, NY 10523

Phone: (914) 592-4088 Fax: (914) 592-6798 Email: elmsfordlab@emsl.com**EMSL**

Attn: Pete/Ray Folino
Eagle Environmental, Inc. (CT)
481 North Main Street
Unit 11
Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257

Project: 03-131/Town of Vernon-30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 11:14 AM

EMSL Order: 220301392

EMSL Project ID:

Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	% Fibrous	Non-Asbestos		Asbestos
					%	Non-Fibrous	% Type
6-23-CC-09 220301392-0009	3-78						Not Analyzed
6-23-CC-10 220301392-0010	3-89						Not Analyzed
6-23-CC-11 220301392-0011	3-64	White Non-Fibrous Heterogeneous	Dissolved	<1%	Cellulose	15% Non-fibrous (other) 30% Matrix 55% Ca Carbonate	None Detected
6-23-CC-12 220301392-0012	3-66	Black/Brown Fibrous Heterogeneous	Dissolved	85%	Cellulose	15% Non-fibrous (other)	None Detected
6-23-CC-13 220301392-0013	3-70	Black Fibrous Heterogeneous	Dissolved	80%	Cellulose	20% Non-fibrous (other)	None Detected
6-23-CC-15 220301392-0014	3-71	White Non-Fibrous Heterogeneous	Dissolved	5%	Cellulose	20% Non-fibrous (other) 15% Mica 60% Ca Carbonate	None Detected
6-23-CC-16 220301392-0015	3-72	Gray/Blue Fibrous Heterogeneous	Teased	30%	Cellulose	35% Non-fibrous (other)	35% Chrysotile
6-23-CC-17 220301392-0016	3-72	Tan Non-Fibrous Heterogeneous	Dissolved			100% Non-fibrous (other)	None Detected

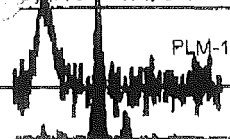
Analyst(s)

Jim Hall (SE)

or other approved signatory

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Analysis performed by EMSL Elmsford (NVLAP #200333-0), NY ELAP 11663



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Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-23-CC-18 220301392-0017	3-72	Black Non-Fibrous Heterogeneous	Dissolved	25% Cellulose	10% Non-fibrous (other) 65% Matrix	None Detected
6-23-CC-19 220301392-0018	3-72	White Non-Fibrous Heterogeneous	Dissolved		35% Non-fibrous (other) 65% Matrix	None Detected
6-23-CC-20 220301392-0019	3-72	Yellow Fibrous Heterogeneous	Dissolved	<1% Cellulose	30% Non-fibrous (other) 70% Matrix	None Detected
6-23-CC-21 220301392-0020	3-73	Gray/Black Fibrous Heterogeneous	Dissolved	15% Glass 55% Cellulose	5% Non-fibrous (other) 25% Matrix	None Detected
6-23-CC-22 220301392-0021	3-74A	Tan/White Non-Fibrous Heterogeneous	Dissolved		15% Non-fibrous (other) 85% Matrix	None Detected
6-23-CC-23 220301392-0022	3-74	Yellow/White Fibrous Heterogeneous	Teased	95% Cellulose	5% Non-fibrous (other)	None Detected
6-23-CC-24 220301392-0023	3-78	Gray/White Non-Fibrous Heterogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-23-CC-25 220301392-0024	3-79	Tan/Brown Fibrous Heterogeneous	Dissolved	30% Cellulose	5% Non-fibrous (other) 65% Matrix	None Detected
6-23-CC-26 220301392-0025	3-79	Yellow Non-Fibrous Heterogeneous	Dissolved		25% Non-fibrous (other) 75% Matrix	None Detected

Analyst(s)

Jim Hall (56)

or other approved signatory

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Analysis performed by EMSL Elmsford (NVLAP #200333-0), NY ELAP 11683

PLM-1

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Customer PO:
Received: 07/09/03 11:14 AM

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Project: 03-131/Town of Vernon-30-36 Main Street, Vernon,
Connecticut

EMSL Order: 220301392
EMSL Project ID:

Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-23-CC-27 220301392-0026	3-82	Brown Non-Fibrous Heterogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-23-CC-28 220301392-0027	3-83	Tan Fibrous Heterogeneous	Teased	10% Min. Wool 55% Cellulose	15% Perlite 20% Non-fibrous (other)	None Detected
6-23-CC-29 220301392-0028	3-84	Gray/Yellow Fibrous Heterogeneous	Teased	30% Cellulose	23% Non-fibrous (other) 25% Matrix	22% Chrysotile
6-23-CC-30 220301392-0029	3-84	Brown Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	25% Non-fibrous (other) 75% Matrix	None Detected
6-23-CC-31 220301392-0030	3-84	Tan Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	35% Non-fibrous (other) 65% Matrix	None Detected
6-23-CC-32 220301392-0031	3-84	White Non-Fibrous Heterogeneous	Dissolved		15% Non-fibrous (other) 15% Mica 70% Ca Carbonate	None Detected
6-23-CC-33 220301392-0032	3-85	White Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	30% Matrix 70% Ca Carbonate	None Detected
6-23-CC-34 220301392-0033	3-86	White Non-Fibrous Heterogeneous	Dissolved	<1% Cellulose	25% Matrix 75% Ca Carbonate	None Detected
6-23-CC-35 220301392-0034	3-86	Tan Fibrous Heterogeneous	Dissolved	4% Cellulose	16% Non-fibrous (other) 80% Matrix	None Detected

Analyst(s)

Jim Hall (58)

or other approved signatory

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As performed by EMSL Elmsford (NVLAP #200333-0), NY ELAP 11863

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Customer ID: EEVM50
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Fax: (860) 585-7034 Phone: (860) 589-8257

Project: 03-131/Town of Vernon-30-36 Main Street, Vernon, Connecticut

EMSL Order: 220301392
EMSL Project ID:

Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-23-CC-36 220301392-0035	3-86	Tan/Various Fibrous Heterogeneous	Teased Crushed	15% Cellulose 2% Synthetic	23% Non-fibrous (other) 60% Matrix	None Detected
6-23-CC-37 220301392-0036	3-86	Tan Fibrous Heterogeneous	Teased	3% Glass 45% Cellulose	17% Non-fibrous (other) 35% Matrix	None Detected
6-23-CC-38 220301392-0037	3-86	Green/Various Fibrous Heterogeneous	Teased	20% Synthetic 55% Cellulose	25% Matrix	None Detected
6-23-CC-39 220301392-0038	3-87	Gray Fibrous Heterogeneous	Teased	45% Cellulose	43% Non-fibrous (other)	12% Chrysotile
6-23-CC-40 220301392-0039	3-87	Tan Fibrous Heterogeneous	Teased	35% Cellulose	27% Non-fibrous (other) 20% Matrix	18% Chrysotile
6-23-CC-41 220301392-0040	3-91	Yellow/White Non-Fibrous Heterogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-23-CC-42 220301392-0041	3-91	Beige Fibrous Heterogeneous	Dissolved	<1% Cellulose	<1% Quartz 30% Non-fibrous (other) 70% Matrix	None Detected
6-23-CC-43 220301392-0042	3-91	Tan Fibrous Heterogeneous	Teased	6% Synthetic 25% Cellulose	9% Non-fibrous (other) 60% Matrix	None Detected
6-23-CC-44 220301392-0043	3-91	Gray Non-Fibrous Heterogeneous	Dissolved		100% Non-fibrous (other)	None Detected

Analyst(s)

Jim Hall (56)

or other approved signatory

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Received: 07/08/03 11:14 AM

EMSL Order: 220301392

EMSL Project ID:

Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-23-CC-45 220301392-0044	3-92A	White Fibrous Heterogeneous	Dissolved	15% Cellulose	85% Matrix	None Detected
6-23-CC-46 220301392-0045	3-92A	Black Fibrous Heterogeneous	Dissolved	<1% Synthetic <1% Cellulose	20% Non-fibrous (other) 80% Matrix	None Detected
6-23-CC-47 220301392-0046	3-94	Gray Fibrous Heterogeneous	Teased	15% Glass 45% Cellulose	5% Non-fibrous (other) 35% Matrix	None Detected
6-23-CC-48 220301392-0047	Main Roof	Black Fibrous Heterogeneous	Dissolved	3% Cellulose	37% Non-fibrous (other) 60% Matrix	None Detected
6-23-CC-49 220301392-0048	Main Roof	Black Fibrous Heterogeneous	Dissolved	45% Cellulose	29% Non-fibrous (other)	26% Chrysotile
6-23-CC-50 220301392-0049	Lower Roof	Black Fibrous Heterogeneous	Dissolved	55% Cellulose	39% Non-fibrous (other)	6% Chrysotile
6-23-CC-51 220301392-0050	Lower Roof	Black Fibrous Heterogeneous	Dissolved	2% Cellulose	16% Non-fibrous (other) 75% Matrix	7% Chrysotile
6-23-CC-52 220301392-0051	Lower Roof	Black Fibrous Heterogeneous	Dissolved	60% Cellulose	15% Quartz 25% Non-fibrous (other)	None Detected
6-23-CC-53 220301392-0052	"B" Façade	Black Non-Fibrous Heterogeneous	Dissolved		100% Non-fibrous (other)	None Detected

Analyst(s)

Jim Hall (66)

or other approved signatory

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EMSL Order: 220301392
EMSL Project ID:

Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-23-CC-54 220301392-0053	"A" Façade	Gray Non-Fibrous Heterogeneous	Dissolved	2% Cellulose	16% Non-fibrous (other) 10% Mica 65% Matrix	7% Chrysotile
6-23-CC-55 220301392-0054	"C" Façade	Tan/White Non-Fibrous Heterogeneous	Dissolved		100% Matrix	None Detected
6-23-CC-56 220301392-0055	"D" Façade	Tan Fibrous Heterogeneous	Teased	15% Cellulose	23% Non-fibrous (other) 40% Matrix 10% Ca Carbonate	12% Chrysotile
6-23-CC-14 220301392-0056	3-71	Tan Non-Fibrous Heterogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)

Jim Hall (56)

or other approved signatory

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PLM-1

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 Customer PO:
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 EMSL Order: 220301392
 EMSL Project ID:
 Analysis Date: 7/14/2003

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-23-CC-3 220301392-0057	3-36	Yellow/Black Non-Fibrous Other	Crushed	2.00% Cellulose	80.00% Matrix 17.43% Non-fibrous (other)	0.57% Chrysotile
6-23-CC-5 220301392-0058	3-36	Gray/Tan Non-Fibrous Other	Teased	20.00% Cellulose	11.50% Non-fibrous (other) 10.00% Mica 55.00% Ca Carbonate	3.50% Chrysotile
6-23-CC-8 220301392-0059	3-36	Tan Non-Fibrous Other	Teased	10.00% Cellulose	13.10% Non-fibrous (other) 10.00% Mica 65.00% Ca Carbonate	1.90% Chrysotile

Analyst(s)

Jim Hall

or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. EMSL Analytical Inc suggests that samples reported as <0.25% or none be tested undergo additional analysis via TEM. This above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis.

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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

0303/2761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-01	0-01	Red Brick style Vinyl Sheet Flooring	NAD
6-19-CC-02	0-11	Transite Panels at Ceiling	35% chrysotile
6-19-CC-03	0-17	Red and white pattern Vinyl Sheet Flooring	10% chrysotile
6-19-CC-04	2-44	Plaster Rough	NAD
6-19-CC-05	2-51		
6-19-CC-06	2-60		
6-19-CC-07	3-67		
6-19-CC-08	3-75		
6-19-CC-09	ST-09	Basement Sheet Rock	
6-19-CC-10		Basement Joint Compound	
6-19-CC-11			
6-19-CC-12	0-14		

Test Method: PLM

Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

Samples Collected By: Caleb Cowles Date: 6-19-03 Time: AM/PM

Samples Sent By: Caleb Cowles Date: 7-7-03 Time: PM

Samples Received By: Uneagle Date: 7-8-03 Time: 10:14 AM

Shipped To: EMSL - Elmsford

P:\Admin\Forms2000\PLMSAMPLE.WPD
481 NORTH MAIN STREET • UNIT 11 • BRISTOL, CT 06010
PHONE (860) 589-8257 • FAX (860) 585-7034

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EMSL
BY
SAMPLES
FOR
03 JUL 14 PM 2:45
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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

030312761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-13	ST-09	Grey 9x9 Floor Tile	NAD
6-19-CC-15	↓	Navy Blue Stain thread	↓
6-19-CC-16	D-14	Burner Gun Gasket	↓
6-19-CC-17	↓	Rope Insulation	↓
6-19-CC-18	ST-15	Grey with blue streaks 9x9 Floor tile	4% chrysotile
6-19-CC-20	I-18	Grey with green and white streaks 9x9 Floor tile	NAD
6-19-CC-21	↓	First floor Sheet rock	03 JUL 4 PM 2:46
6-19-CC-22	↓	First floor Joint Compound	↓
6-19-CC-23	I-27	↓	↓
6-19-CC-24	I-31	↓	↓
6-19-CC-25	I-19	Tan Square Pattern Sheet Flooring	↓
6-19-CC-26	↓	Black adhesive associated with Tan Square Pattern sheet flooring	5% chrysotile

Test Method: PLMTurnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

Samples Collected By: [Signature] Date: 6-19-03 Time: Am/pm

Samples Sent By: [Signature] Date: 8-7-03 Time: pm

Samples Received By: mneagle Date: 7-8-03 Time: 10:14am

Shipped To: EMSL - Elmsford

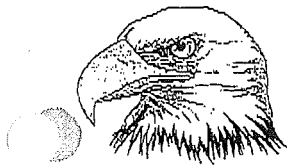
P:\Admin\Foms2000\PLMSAMPLE.WPD

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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

030312761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-27	1-19	Red 9x9 Floor Tile	2% chrysotile
6-19-CC-28	↓	Brown floor tile Adhesive	NAD
6-19-CC-29	1-20	1x1 large hole Ceiling Tile	
6-19-CC-30	↓	White cracked pattern 12x12 Floor Tile	
6-19-CC-31	↓	Red 12x12 Floor Tile	
6-19-CC-32	↓	Grey with white streaks 12x12 Floor tile	
6-19-CC-33	1-21	Orange 12x12 Floor tile	
6-19-CC-34	↓	Yellow mastic associated with orange 12x12 floor tile	
6-19-CC-35	↓	White mastic associated with Red 12x12 floor tile	
6-19-CC-36	↓	Swirl pattern textured wall paint	
6-19-CC-37	↓		
6-19-CC-38	↓		

Test Method: PLMTurnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

Samples Collected By: [Signature] Date: 6-19-03 Time: Am 1pm

Samples Sent By: [Signature] Date: 7-7-03 Time: pm

Samples Received By: mneagle Date: 7-8-03 Time: 10:14am

Shipped To: EMSL - Elmsford
481 NORTH MAIN STREET • UNIT 11 • BRISTOL, CT 06010
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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

030312761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-39	1-22	Grey with multicolored streaks 12x12 Floor tile	NAD
6-19-CC-40	↓	Tan adhesive associated with grey multicolored 12x12 Floor tile	↓
6-19-CC-41	↓	Top layer brown vinyl core base	0.27% PC 41% chrysotile
6-19-CC-42	↓	Bottom layer Black residual vinyl core base adhesive	5% chrysotile
6-19-CC-43	1-23	2x4 Hole and Acoustic Acoustic Ceiling tile	NAD
6-19-CC-44	1-24	Tan Carpet adhesive	↓
6-19-CC-45	↓	Tan with brown speckles 12x12 Floor tile	0.33% chrysotile
6-19-CC-46	↓	Blue Vinyl core base under outer layer sheet rock	↓
6-19-CC-47	↓	Outer layer Sheet Rock	↓
6-19-CC-48	1-25	Black mastic associated with tan with brown speckles 12x12 Floor tile	2.33% chrysotile 41% chrysotile
6-19-CC-49	1-27	Black Vinyl core base	NAD
6-19-CC-50	↓	Yellow vinyl core base adhesive	↓

Test Method: PLM

Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

Samples Collected By: [Signature] Date: 6-19-03 Time: Am/pm

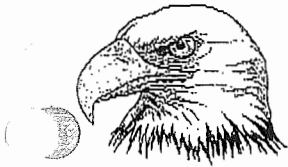
Samples Sent By: [Signature] Date: 6-7-03 Time: Pm

Samples Received By: mneagle Date: 7-8-03 Time: 10:14am

Shipped To: EMSL - Elmsford
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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

030312761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-51	1-28	muddled fittings	50% chrysotile
6-19-CC-52			DNA
6-19-CC-53			DNA
6-19-CC-54		Aircell Pipe Insulation	40% chrysotile
6-19-CC-55			DNA
6-19-CC-56			DNA
6-19-CC-57	1-28	Vapor Paper on Sub Floor	NAD
6-19-CC-58	1-31	off white 9x9 floor tile	2% chrysotile
6-19-CC-60		orange 9x9 floor tile	NAD
6-19-CC-61		orange carpet glue	
6-19-CC-62		yellow stone pattern sheet flooring	
6-19-CC-63		Brown/white square leaf pattern sheet flooring	40% chrysotile

Test Method: PLMTurnaround Time: 5-day

Special Instructions:

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Stop on first positive for samples numbers _____ thru _____

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Samples Collected By: [Signature] Date: 6-19-03 Time: PM/PM

Samples Sent By: [Signature] Date: 7-7-03 Time: PM

Samples Received By: m.neagle Date: 7-8-03 Time: 10:14am

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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

030312761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-64	1-31	White Churney Blue cement	NAD
6-19-CC-65		2x4 Hole and fissure Acoustic ceiling tile	↓
6-19-CC-66		1x1 smooth face ceiling tile above 2x4 Hole and fissure	↓
6-19-CC-67		Paper Insulation at ceiling mounted heater	10% chrysotile
6-19-CC-68	↓	Tar paper under plywood flooring	NAD
6-19-CC-69	1-32	White Caulk at block window	↓
6-19-CC-70	1-33	White medallion sheet flooring	35% chrysotile
6-19-CC-71	1-32	Brown wall panel adhesive	39% chrysotile
6-19-CC-72	ST-35	Brown diamond grid pattern stair tread	NAD
6-19-CC-73		Brown lined stair tread	↓
6-19-CC-74		Brown adhesive associated with brown lined stair tread	↓
6-19-CC-75	↓	Second floor Sheet Rock	↓

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MAINTENANCETest Method: PLMTurnaround Time: 5-day

Special Instructions:

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Samples Collected By: [Signature] Date: 6-19-03 Time: AM/PM

Samples Sent By: [Signature] Date: 6-7-03 Time: PM

Samples Received By: mneagle Date: 7-8-03 Time: 10:14 am

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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

030312761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-76	ST-35	Second floor Joint Compound	2% chrysotile
6-19-CC-77	2-51	↓	DNA
6-19-CC-78	2-58		DNA
6-19-CC-79	2-36		3% chrysotile
6-19-CC-81	↓	Tan with brown / white streaks 9x9 Floor Tile	20% chrysotile 21% chrysotile
6-19-CC-82	2-38	White diamond pattern 12x12 Self adhesive floor tile	NAD
6-19-CC-83	↓	brown wall panel Adhesive	15%
6-19-CC-84	2-39	White and blue with ducks and hearts 12x12 Self adhesive floor tile	
6-19-CC-85	↓	Brown tan rectangular pattern 12x12 Self adhesive floor tile	
6-19-CC-86	↓	White with roses 12x12 Self adhesive floor tile	
6-19-CC-87	↓	Black Anti Condensate	10% chrysotile
6-19-CC-88	2-40	White with blue leaves 12x12 Self adhesive floor tile	NAD

Test Method: PLMTurnaround Time: 5-day

Special Instructions:

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Stop on first positive for samples numbers _____ thru _____

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Samples Collected By: [Signature] Date: 6-19-03 Time: 2pm/pm

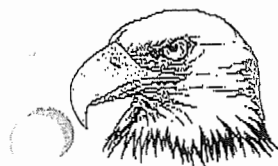
Samples Sent By: [Signature] Date: 7-7-03 Time: pm

Samples Received By: mneagu Date: 7-8-03 Time: 10:14am

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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon - 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

0303/27/01

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-89	2-41	cloth gasket on wall heater assembly	80% chrysotile
6-19-CC-90	2-42	chimney flue cement	70% chrysotile
6-19-CC-91	2-44	white/tan pattern sheet flooring	NAD
6-19-CC-92	↓	Yellow Sheet flooring adhesive	↓
6-19-CC-93	2-44A	Yellow with diamonds Sheet flooring	↓
6-19-CC-94	2-47	Yellow/brown speckled sheet flooring	40% chrysotile
6-19-CC-95	2-48	smooth faced 2x4 Acoustic ceiling tile	NAD
6-19-CC-96	2-49A	green streaked sheet flooring	PM 2:45
6-19-CC-97	2-49	Skim Coat plaster	↓
6-19-CC-98	2-50	↓	↓
6-19-CC-99	2-49	↓	↓
6-19-CC-100	2-50	multi colored square pattern vinyl sheet flooring	↓

Test Method: PLM

Turnaround Time: 5-day

Special Instructions:

☒ Stop on first positive for each set of samples. Please do not separate samples.

Stop on first positive for samples numbers _____ thru _____

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Samples Collected By: [Signature] Date: 6-12-03 Time: PM/PM

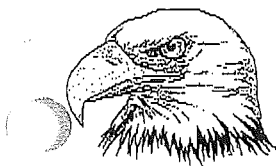
Samples Sent By: [Signature] Date: 6-7-03 Time: PM

Samples Received By: mneagu Date: 7-8-03 Time: 10:14am

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EAGLE ENVIRONMENTAL, INC.

EAGLE PROJECT: Town of Vernon – 30-36 Main Street, Vernon, Connecticut
PROJECT NO. 03-131

0303/2761

POLARIZED LIGHT MICROSCOPY SAMPLE LOG

SAMPLE NO.	LOCATION	MATERIAL TYPE	% ASBESTOS
6-19-CC-101	2-51	White Squares with pink flowers Vinyl sheet flooring	NAD
6-19-CC-102	2-52	White square pattern Vinyl sheet flooring	↓
6-19-CC-103	2-53	yellow hourglass pattern 12x12 Self Adhesive floor tile	0.75% chrysotile 21% chrysotile
6-19-CC-104	2-54	yellow ceramic wall tile Adhesive	NAD
6-19-CC-105	2-55	Grey Vinyl Core base	↓
6-19-CC-106	2-55	Brown Vinyl Core base Adhesive	5%
6-19-CC-107	2-56	imitation Wood Grain 9x9 Floor tile	29% chrysotile
6-19-CC-108	2-57	light fixture paper	20% chrysotile
6-19-CC-109	2-60	Grey 12x12 floor tile	29% chrysotile
6-19-CC-110	↓	Black mastic Associated with grey 12x12 floor tile	29% chrysotile
6-19-CC-111	2-59A	paper insulation on duct in HVAC unit	30% chrysotile
6-19-CC-			

Test Method: PLMTurnaround Time: 5-day

Special Instructions:

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Stop on first positive for samples numbers _____ thru _____

☒ Please Point Count any samples analyzed as Trace asbestos content.

Samples Collected By: [Signature] Date: 0.19.03 Time: PM/PM

Samples Sent By: [Signature] Date: 7.7.03 Time: AM

Samples Received By: M neagle Date: 7-8-03 Time: 10:14am

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EAGLE PROJECT NAME: Town of Vernon - 30-36 Main Street, Vernon, CT
PROJECT NO. 03-131 00310761

030312741

[illegible]

Turnaround Time:

5-day, 2,

SAMPLES
FOR
R/I ANALYSIS
EMSL

____ Please Point Count any samples analyzed as Trace asbestos content.

Samples Collected By: Caleb Cowles Date: 6-23-03 Time: AM/PM

Samples Sent By: Caleb Cowles Date: 7.7.03 Time: pm

Samples Received By: M. Neagle Date: 7-8-03 Time: 10:14am

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EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

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EMSLAttn: Eagle Environmental, Inc. (CT)
481 North Main Street
Unit 11
Bristol, CT 06010

Fax: (860) 585-7034

Phone: (860) 589-8257

Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-01 030312761-0001	0-01 / Red brick style vinyl sheet flooring	Beige Non-Fibrous Heterogeneous	Crushed		100% Non-fibrous (other)	None Detected
6-19-CC-02 030312761-0002	0-11 / Transite panels at ceiling	Gray Fibrous Heterogeneous	Teased		65% Non-fibrous (other)	35% Chrysotile
6-19-CC-03 030312761-0003	0-17 / Red and white pattern vinyl sheet flooring	White/Red Fibrous Heterogeneous	Teased		90% Non-fibrous (other)	10% Chrysotile
6-19-CC-04 030312761-0004	2-44 / Plaster rough	Brown Fibrous Heterogeneous	Teased	1% Hair	99% Non-fibrous (other)	None Detected
6-19-CC-05 030312761-0005	2-51 / Plaster rough	Brown Fibrous Heterogeneous	Crushed	<1% Hair <1% Cellulose	100% Non-fibrous (other)	None Detected
6-19-CC-06 030312761-0006	2-60 / Plaster rough	Brown Fibrous Heterogeneous	Crushed	2% Hair	98% Non-fibrous (other)	None Detected
6-19-CC-07 030312761-0007	3-67 / Plaster rough	Brown Fibrous Heterogeneous	Crushed	1% Hair	99% Non-fibrous (other)	None Detected
6-19-CC-08 030312761-0008	3-75 / Plaster rough	Brown Fibrous Heterogeneous	Crushed	1% Hair	99% Non-fibrous (other)	None Detected
6-19-CC-09 030312761-0009	ST-09 / Basement sheetrock	Brown/Gray Fibrous Heterogeneous	Teased	20% Cellulose	80% Non-fibrous (other)	None Detected

Analyst(s)

Miron Apfeldorfer (111)

Laboratory Manager
or other approved signatory

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This test was performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM-1

EMSL Analytical, Inc.

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EMSLAttn: Eagle Environmental, Inc. (CT)
481 North Main Street
Unit 11
Bristol, CT 06010

Fax: (860) 585-7034

Phone: (860) 589-8257

Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	<u>Non-Asbestos</u>		<u>Asbestos</u>
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-10 030312761-0010	ST-09 / Basement joint compound	White Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
6-19-CC-11 030312761-0011	ST-09 / Basement joint compound	White Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
6-19-CC-12 030312761-0012	0-14 / Basement joint compound	Tan Non-Fibrous Homogeneous	Crushed	<1% Cellulose	100% Non-fibrous (other)	None Detected
6-19-CC-13 030312761-0013	ST-09 / Grey 9x9 floor tile	Gray Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-15 030312761-0014	ST-09 / Navey blue stair tread	Brown Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-16 030312761-0015	0-14 / Burner gun gasket	Tan Fibrous Heterogeneous	Teased	20% Min. Wool 40% Cellulose	40% Non-fibrous (other)	None Detected
6-19-CC-17 030312761-0016	0-14 / Rope insulation	Tan Fibrous Homogeneous	Teased	100% Glass		None Detected
6-19-CC-18 030312761-0017	ST-15 / Grey w/blue streaks 9x9 floor tile	Gray Non-Fibrous Homogeneous	Dissolved		96% Non-fibrous (other)	4% Chrysotile
6-19-CC-20 030312761-0018	1-18 / Grey w/green and white streaks 9x9 floor ti	Gray Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected

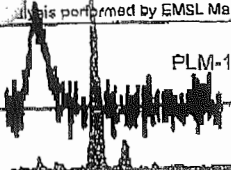
Analyst(s)

Miron Apfelwörfer (111)

*José Amador*Laboratory Manager
or other approved signatory

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This is performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11503



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Attn: Eagle Environmental, Inc. (CT)
481 North Main Street
Unit 11
Bristol, CT 06010
Fax: (860) 585-7034 Phone: (860) 589-8257
Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50
Customer PO:
Received: 07/08/03 2:46 PM
EMSL Order: 030312761
EMSL Project ID:
Analysis Date: 7/16/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-21 030312761-0019	1-18 / First floor sheet rock	Brown/Gray Fibrous Heterogeneous	Teased	20% Cellulose	80% Non-fibrous (other)	None Detected
6-19-CC-22 030312761-0020	1-18 / First floor joint compound	Tan Non-Fibrous Homogeneous	Teased	<1% Cellulose	100% Non-fibrous (other)	None Detected
6-19-CC-23 030312761-0021	1-27 / First floor joint compound	White Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
6-19-CC-24 030312761-0022	1-31 / First floor joint compound	Tan Non-Fibrous Homogeneous	Crushed		100% Non-fibrous (other)	None Detected
6-19-CC-25 030312761-0023	1-19 / Tan square pattern sheet flooring	Tan Fibrous Heterogeneous	Teased	3% Glass 2% Cellulose	95% Non-fibrous (other)	None Detected
6-19-CC-26 030312761-0024	1-19 / Black adhesive ass. With tan square pattern	Black Non-Fibrous Homogeneous	Dissolved		95% Non-fibrous (other)	5% Chrysotile
6-19-CC-27 030312761-0025	1-19 / Red 9x9 floor tile	Red Non-Fibrous Homogeneous	Dissolved		98% Non-fibrous (other)	2% Chrysotile
6-19-CC-28 030312761-0026	1-19 / Brown floor tile adhesive	Brown Fibrous Homogeneous	Dissolved	35% Cellulose	65% Non-fibrous (other)	None Detected
6-19-CC-29 030312761-0027	1-20 / 1x1 large hole ceiling tile	Brown Fibrous Homogeneous	Teased	100% Cellulose		None Detected

Analyst(s)

Miron Apfeldorfer (111)

Laboratory Manager
or other approved signatory

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is performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM-1

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Bristol, CT 06010

Fax: (860) 585-7034

Phone: (860) 589-8257

Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-30 030312761-0028	1-20 / White cracked pattern 12x12 floor tile	White Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-31 030312761-0029	1-20 / Red 12x12 floor tile	Red Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-32 030312761-0030	1-20 / Grey w/ white streaks 12x12 floor tile	Gray Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-33 030312761-0031	1-21 / Orange 12x12 floor tile	Rust Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-34 030312761-0032	1-21 / Yellow mastic ass. W/ orange 12x12 FT	Yellow Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-35 030312761-0033	1-21 / White mastic ass. W/red 12x12 FT	White Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-36 030312761-0034	1-21 / Swirl pattern textured wall paint	White Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-37 030312761-0035	1-21 / Swirl pattern textured wall paint	White Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-38 030312761-0036	1-21 / Swirl pattern textured wall paint	Brown/White Fibrous Heterogeneous	Teased	40% Cellulose	60% Non-fibrous (other)	None Detected

Analyst(s)

Miron Apfeldorfer (111)

Laboratory Manager
or other approved signatory

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This performed by EMSL Manhattan (NVLAP #101048-S), NY ELAP 11506

PLM-1

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481 North Main Street
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Phone: (860) 589-8257

Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-39 030312761-0037	1-22/ Grey w/ multicolored streaks 12x2 FT	Gray Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-40 030312761-0038	1-22/ Tan adhesive ass. W/ grey multicolored 12x1F	White/Yellow Fibrous Heterogeneous	Dissolved	50% Cellulose	50% Non-fibrous (other)	None Detected
6-19-CC-41 030312761-0039	1-22/ Top layer brown vinyl cove base	Brown Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	<1% Chrysotile
6-19-CC-42 030312761-0040	1-22/ Bottom layer black residual vinyl cove base	Black Non-Fibrous Homogeneous	Dissolved		95% Non-fibrous (other)	5% Chrysotile
6-19-CC-43 030312761-0041	1-23 / 2x4 hole and fissure acoustic ceiling tile	Beige Fibrous Heterogeneous	Teased	10% Min. Wool 50% Cellulose	40% Non-fibrous (other)	None Detected
6-19-CC-44 030312761-0042	1-24 / Tan carpet adhesive	Beige Fibrous Heterogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-45 030312761-0043	1-24 / Tan w/ brown specks 12x12 FT	Brown/Tan Non-Fibrous Homogeneous	Dissolved	10% Cellulose	90% Non-fibrous (other)	None Detected
6-19-CC-46 030312761-0044	1-24 / Blue vinyl cove base under outer layer	Black/Blue Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected

Analyst(s)

Miron Apfeldorfer (111)

Laboratory Manager
or other approved signatory

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Test performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11505

PLM-1

EMSL Analytical, Inc.

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EMSL

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Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50
Customer PQ:
Received: 07/08/03 2:46 PM
EMSL Order: 030312761
EMSL Project ID:
Analysis Date: 7/16/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-47 030312761-0045	1-24 / Outer layer sheet rock	Brown/Gray Fibrous Heterogeneous	Teased	10% Cellulose	90% Non-fibrous (other)	None Detected
6-19-CC-48 030312761-0046	1-25 / Black mastic ass. W/ tan w/ brown specks	Black Non-Fibrous Homogeneous	Dissolved	10% Cellulose	90% Non-fibrous (other)	<1% Chrysotile
6-19-CC-49 030312761-0047	1-27 / Black vinyl cove base	Black Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-50 030312761-0048	1-27 / Yellow vinyl cove base adhesive	Yellow Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-51 030312761-0049	1-28 / Mudded fittings	Gray Fibrous Homogeneous	Teased Dissolved		50% Non-fibrous (other)	50% Chrysotile
6-19-CC-52 030312761-0050	1-28 / Mudded fittings					Not Analyzed
6-19-CC-53 030312761-0051	1-28 / Mudded fittings					Not Analyzed
6-19-CC-54 030312761-0052	1-28 / Aircell pipe insulation	Gray Fibrous Heterogeneous	Teased	40% Cellulose	20% Non-fibrous (other)	40% Chrysotile
6-19-CC-55 030312761-0053	1-28 / Aircell pipe insulation					Not Analyzed

Analyst(s)

Miron Apfeldorfer (111)

Laboratory Manager
or other approved signatory

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PLM-1

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EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-56 030312761-0054	1-28 / Aircell pipe insulation					Not Analyzed
6-19-CC-57 030312761-0055	1-28 / Vapor paper on subfloor	Beige Fibrous Heterogeneous	Teased	95% Cellulose	5% Non-fibrous (other)	None Detected
6-19-CC-58 030312761-0056	1-31 / Off white 9x9 floor tile	White Non-Fibrous Homogeneous	Dissolved		98% Non-fibrous (other)	2% Chrysotile
6-19-CC-60 030312761-0057	1-31 / Orange 9x9 floor tile	Rust Non-Fibrous Homogeneous	Dissolved	1% Cellulose	99% Non-fibrous (other)	None Detected
6-19-CC-61 030312761-0058	1-31 / Orange carpet glue	Rust Non-Fibrous Homogeneous	Dissolved	1% Cellulose	99% Non-fibrous (other)	None Detected
6-19-CC-62 030312761-0059	1-31 / Yellow stone pattern sheet flooring	Yellow Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-63 030312761-0060	1-31 / Brown /white square leaf pattern sheet	Brown/White Fibrous Heterogeneous	Dissolved	20% Cellulose	40% Non-fibrous (other)	40% Chrysotile
6-19-CC-64 030312761-0061	1-31 / White chimney flue cement	Gray/White Fibrous Homogeneous	Teased	50% Min. Wool	50% Non-fibrous (other)	None Detected
6-19-CC-65 030312761-0062	1-31 / 2x4 hole and fissure acoustic ceiling tile	Gray Fibrous Homogeneous	Teased	40% Min. Wool 40% Cellulose	20% Non-fibrous (other)	None Detected

Analyst(s)

Miron Apfeldorfer (111)

Laboratory Manager
or other approved signatory

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Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

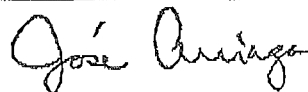
Analysis Date: 7/16/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-66 030312761-0063	1-31/ 1x1 smooth face ceiling tile above 2x4 hole	Brown Fibrous Homogeneous	Teased	100% Cellulose		None Detected
6-19-CC-67 030312761-0064	1-31 / Paper insulation at ceiling mounted heater	Gray Fibrous Heterogeneous	Teased	50% Cellulose	40% Non-fibrous (other)	10% Chrysotile
6-19-CC-68 030312761-0065	1-31 / Tar paper under plywood flooring	Black Fibrous Homogeneous	Dissolved	60% Cellulose	40% Non-fibrous (other)	None Detected
6-19-CC-69 030312761-0066	1-32 / White caulk at blade window	White Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-70 030312761-0067	1-33 / White medallion sheet flooring	White Fibrous Homogeneous	Dissolved	40% Cellulose	25% Non-fibrous (other)	35% Chrysotile
6-19-CC-71 030312761-0068	1-32 / Brown wall panel adhesive	Brown Non-Fibrous Homogeneous	Dissolved		97% Non-fibrous (other)	3% Chrysotile
6-19-CC-72 030312761-0069	ST-35 / Brown diamond grid pattern stair tread	Brown Fibrous Heterogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-73 030312761-0070	ST-35 / Brown lined stair tread	Brown Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-74 030312761-0071	ST-35 / Brown adhesive ass. W/brown lined stair	Black Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected

Analyst(s)

Miron Apfeldorfer (111)



Laboratory Manager
or other approved signatory

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performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11508

PLM-1

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Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-75 030312761-0072	ST-35 / Second floor sheet rock	Brown/White Fibrous Heterogeneous	Teased	20% Cellulose	80% Non-fibrous (other)	None Detected
6-19-CC-76 030312761-0073	ST-35 / Second floor joint compound	Tan Non-Fibrous Heterogeneous	Dissolved		98% Non-fibrous (other)	2% Chrysotile
6-19-CC-77 030312761-0074	2-51 / Second floor joint compound					Not Analyzed
6-19-CC-78 030312761-0075	2-58 / Second floor joint compound					Not Analyzed
6-19-CC-79 030312761-0076	2-36 / Dark grey 9x9 floor tile	Gray Non-Fibrous Homogeneous	Dissolved		97% Non-fibrous (other)	3% Chrysotile
6-19-CC-81 030312761-0077	2-36 / Tan w/brown / white streaks 9x9 floor tile	Tan Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	<1% Chrysotile
6-19-CC-82 030312761-0078	2-38 White diamond pattern 12x12 self adhesive FT	White Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-83 030312761-0079	2-38 / Brown wall panel adhesive	Brown/Black Fibrous Heterogeneous	Dissolved	40% Cellulose	60% Non-fibrous (other)	None Detected
6-19-CC-84 030312761-0080	2-39 / White and blue w/ ducks and hearts 12x12	White/Blue Non-Fibrous Homogeneous	Dissolved	3% Cellulose	97% Non-fibrous (other)	None Detected

Analyst(s)

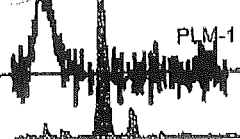
Miron Apfeldorfer (111)

Laboratory Manager
or other approved signatory

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Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-85 030312761-0081	2-39 / Brown tan rectangular pattern 12x12	Brown/Tan Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-86 030312761-0082	2-39 / White w/ roses 12x12 self adhesive FT	White Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-87 030312761-0083	2-39 / Black A. Condensate	Black Non-Fibrous Homogeneous	Dissolved		90% Non-fibrous (other)	10% Chrysotile
6-19-CC-88 030312761-0084	2-40 / White w/blue leaves 12x12 self adhesive FT	White Non-Fibrous Homogeneous	Dissolved	5% Cellulose	95% Non-fibrous (other)	None Detected
6-19-CC-89 030312761-0085	2-41/ Cloth gasket on wall heater assembly	Brown/Gray Fibrous Homogeneous	Dissolved		20% Non-fibrous (other)	80% Chrysotile
6-19-CC-90 030312761-0086	2-42 / Chimney flue cement	Gray Fibrous Homogeneous	Dissolved		30% Non-fibrous (other)	70% Chrysotile
6-19-CC-91 030312761-0087	2-44 / White/ tan pattern sheet flooring	Tan/White Fibrous Heterogeneous	Dissolved	60% Cellulose	40% Non-fibrous (other)	None Detected
6-19-CC-92 030312761-0088	2-44/ Yellow sheet flooring adhesive	Yellow Non-Fibrous Homogeneous	Dissolved	20% Cellulose	80% Non-fibrous (other)	None Detected
6-19-CC-93 030312761-0089	2-44A/ Yellow w/diamonds sheet flooring	Yellow Fibrous Heterogeneous	Teased	90% Cellulose	10% Non-fibrous (other)	None Detected

Analyst(s)

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Laboratory Manager
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Project: 03-131 / Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50

Customer PO:

Received: 07/08/03 2:46 PM

EMSL Order: 030312761

EMSL Project ID:

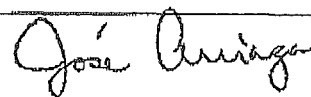
Analysis Date: 7/16/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-94 030312761-0090	2-47/ Yellow/ brown speckled sheet flooring	Brown/Yellow Fibrous Heterogeneous	Dissolved		60% Non-fibrous (other)	40% Chrysotile
6-19-CC-95 030312761-0091	2-48 / Smooth faced 2x4 acoustic ceiling tile	Brown Fibrous Homogeneous	Teased	100% Cellulose		None Detected
6-19-CC-96 030312761-0092	2-49A/ Green streaked sheet flooring	Green Fibrous Homogeneous	Dissolved	50% Cellulose	50% Non-fibrous (other)	None Detected
6-19-CC-97 030312761-0093	2-49 / Skim coat plaster	White Non-Fibrous Homogeneous	Teased		100% Non-fibrous (other)	None Detected
6-19-CC-98 030312761-0094	2-50 / Skim coat plaster	Brown/White Non-Fibrous Heterogeneous	Crushed	1% Cellulose	99% Non-fibrous (other)	None Detected
6-19-CC-99 030312761-0095	2-49 / Skim coat plaster	Brown/White Fibrous Heterogeneous	Crushed	<1% Hair 3% Cellulose	97% Non-fibrous (other)	None Detected
6-19-CC-100 030312761-0096	2-50 / Multicolored square pattern vinyl sheet	Various Fibrous Heterogeneous	Teased	40% Cellulose	60% Non-fibrous (other)	None Detected
6-19-CC-101 030312761-0097	2-51/ White squares w/ pink flowers vinyl sheet	White Fibrous Heterogeneous	Teased	60% Cellulose	40% Non-fibrous (other)	None Detected
6-19-CC-102 030312761-0098	2-52 / White square pattern vinyl sheet flooring	White Fibrous Heterogeneous	Teased	5% Cellulose	95% Non-fibrous (other)	None Detected

Analyst(s)

Miron Apfeldorfer (111)



Laboratory Manager
or other approved signatory

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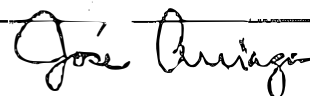
Customer ID: EEVM50
 Customer PO:
 Received: 07/08/03 2:46 PM
 EMSL Order: 030312761
 EMSL Project ID:
 Analysis Date: 7/16/2003

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-103 030312761-0099	2-53 / Yellow hourglass pattern 12x12 self adhesive	Yellow Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	<1% Chrysotile
6-19-CC-104 030312761-0100	2-54 / Yellow ceramic wall tile adhesive	Yellow Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-105 030312761-0101	2-55 / Grey vinyl cove base	Gray Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-106 030312761-0102	2-55 / Brown vinyl cove base adhesive	Brown Non-Fibrous Homogeneous	Dissolved		100% Non-fibrous (other)	None Detected
6-19-CC-107 030312761-0103	2-56 / Imitation wood grain 9x9 FT	Brown Non-Fibrous Homogeneous	Dissolved		98% Non-fibrous (other)	2% Chrysotile
6-19-CC-108 030312761-0104	2-57 / Light fixture paper	Gray Fibrous Homogeneous	Dissolved	40% Cellulose	40% Non-fibrous (other)	20% Chrysotile
6-19-CC-109 030312761-0105	2-60 / Grey 12x12 Floor tile	Gray Non-Fibrous Homogeneous	Dissolved		98% Non-fibrous (other)	2% Chrysotile
6-19-CC-110 030312761-0106	2-60 / Black mastic ass. W/ grey 12x12 floor tile	Black Fibrous Heterogeneous	Dissolved	50% Cellulose	48% Non-fibrous (other)	2% Chrysotile
6-19-CC-111 030312761-0107	2-59A / Paper Insulation on duct in HVAC unit	Gray Fibrous Homogeneous	Teased	40% Cellulose	30% Non-fibrous (other)	30% Chrysotile

Analyst(s)

Miron Apfeldorfer (111)



 Laboratory Manager
 or other approved signatory

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Connecticut

Customer ID: EEVM50

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EMSL Order: 030312761

EMSL Project ID:

Analysis Date: 7/16/2003

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
Light Microscopy**

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-14 030312761-0106	ST-09 / Black mastic	Black Fibrous Heterogeneous	Dissolved	10% Cellulose	88% Non-fibrous (other)	2% Chrysotile
6-19-CC-19 030312761-0109	ST-15/ Black mastic	Black Non-Fibrous Homogeneous	Dissolved	60% Cellulose	40% Non-fibrous (other)	None Detected
6-19-CC-59 030312761-0110	1-31 / Black mastic	Black Non-Fibrous Homogeneous	Dissolved		95% Non-fibrous (other)	5% Chrysotile
6-19-CC-80 030312761-0111	2-36 / Black mastic	Black Non-Fibrous Homogeneous	Dissolved	2% Cellulose	98% Non-fibrous (other)	None Detected

Analyst(s)

Miron Apfeldorfer (111)

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PLM-1

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Project: 03-131/ Town of Vernon - 30-36 Main Street, Vernon,
Connecticut

Customer ID: EEVM50
Customer PO:
Received: 07/16/03 2:46 PM
EMSL Order: 030312947
EMSL Project ID:
Analysis Date: 7/16/2003

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
6-19-CC-41 030312947-0001	1-22/ Top layer brown vinyl cove base	Brown Non-Fibrous Homogeneous	Dissolved		99.73% Non-fibrous (other)	0.27% Chrysotile
6-19-CC-48 030312947-0002	1-25/ Black mastic ass. W/tan w/brown soecks	Black Non-Fibrous Homogeneous	Dissolved	3.00% Cellulose	97.00% Non-fibrous (other)	<0.25% Chrysotile
6-19-CC-81 030312947-0003	2-36 / Tan w/brown/ white streaks 9x9 floor	Tan Non-Fibrous Homogeneous	Dissolved		100.00% Non-fibrous (other)	<0.25% Chrysotile
6-19-CC-103 030312947-0004	2-53 / Yellow hourglass pattern 12x12 self adhesi	Yellow Non-Fibrous Homogeneous	Dissolved		99.25% Non-fibrous (other)	0.75% Chrysotile

Analyst(s)

Miron Apfeldorfer (4)


Laboratory Manager
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report may contain asbestos fibers present in dimensions below PLM resolution limits. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government.

THIS IS THE LAST PAGE OF THE REPORT.

XRF Field Data Sheet

 Building: Citizen Block Date: 6-17-03 XRF Job #: 1023 Inspector: Caleb Cowles

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
01	Pre Calibrate 				0.9	
02					1.0	
03					0.9	
04	0-01	wall C	W	W	>9.9	
05		ceiling	W	W	~0.1	
06		wall D	B	W	9.1	
07	0-02	ceiling Joists	W	W	0.1	
08	0-05	Door C	W	G	0.1	
09		wall P	B	W	~0.2	
10	ST-06	Door B	W	W	>9.9	
11		wall D	W	-	0.0	
12	0-07	wall C	W	W	0.4	
13	ST-09	wall B	SR	W	0.0	
14		stair riser	W	R	0.1	
15	0-10	ceiling	transite	W	~0.1	
16		wall B	SR	B	0.2	
17	0-11	Door D	W	W	>9.9	
18		wall D	B	W	~0.1	
19		wall C	W	W	0.1	
20	0-12	wall A	W	W	~0.0	
21		wall D	B	W	0.2	
22	0-13	wall B	C	BU	~0.0	
23		Horz Support Beam	W	W	0.0	
24	0-14	wall B	B	W	~0.1	
25	ST 15	stair riser	W	G	0.2	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
26	ST-15	Wall D	SR	G	-0.0	
27	0-16	Wall B	B	cream	-0.0	
28	0-17	Door D	W	W	9.1	
29		Wall C	W	W	-0.1	
30	1-18	Wall C	SR	W	-0.1	
31	1-19	Wall B	SR	W	-0.0	
32	1-20	Door Jamb	W	W	-0.0	
33		Door	W	R	-0.2	
34		Wall C	SR	W	-0.3	
35	1-21	Wall C	SR	W	-0.1	
36		chair rail	W	W	-0.0	
37		Wainscoting A	W	W	-0.1	
38		Wall D	P	W	0.0	
39	1-23	Wall B	SR	W	-0.0	
40		Door Jamb	W	W	-0.1	
41	1-24	Upper Wall B	SR W	W	-0.1	
42	1	chair rail	W	W	0.1	
43	1-25	Wall A	SR	W	-0.2	
44		Upper Wall C	W	W	0.1	
45	1-26	Wall A	SR	W	-0.0	
46	1-26	chair rail D	W	W	-0.1	
47	1-27	Wall C	SR	W	0.0	
48	1-28	Wall B	SR	W	-0.0	
49	1-28	Door B	W	B	-0.1	
50	1-28	vert column	W	W	-0.2	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
51	1-29	wall B	SR	W	0.2	
52	1-30	wall D	SR	W	0.1	
53	1-30	wall D Behind SR	B	W	0.3	
54	1-31	wall B	part. board W	1st Grey	0.5	
55		vert support beam	M	Tan	0.0	
56		molding at B side window	W	Tan	>9.9	
57		window casing @ B side	W	B	0.8	
58		ceiling exposed panel @ B side window	W	W	0.4	
59		low wall D	W	Dark Grey	>9.9	
60		high wall D	W	Blue	>9.9	
61		wall C	W	1st Grey	0.1	
62		wall B (rear)	part. board W	Blue	1.0	
63		ceiling (rear)	SR	W	0.1	
64	1-32	wall B	W	1st grey	>9.9	
65		floor	W	grey/green	0.0	
66		Door C	W	1st grey	4.0	
67	1-31	lower ceiling above ACT	W	Green	>9.9	
68	ST-35	wall B	W	Tan	>9.9	
69		stair riser	W	R	0.1	
70		wall D	SR	Tan	0.1	
71	2-36	wall A	SR	W	0.0	
72		Wainscoting @ A	W	W	>9.9	
73		chair rail @ A	W	W	>9.9	
74		ceiling	SR	W	0.1	
75		Door C	M	W	0.0	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
76	2-37	Wall D	SR	mint G	-0.1	
77		chair rail	W	lgt B	0.3	
78		Floor	W	R	-0.1	
79	2-38	Wall D	SR	W	-0.0	
80		Door Jamb B	W	W	-0.1	
81	2-39	Wall C	SR	lgt B	-0.1	
82	2-40	Wall A	SR	lgt grey	0.1	
83		Window casing A	W	lgt Blue	>9.9	
84		Window sill A	W	lgt Blue	>9.9	
85		baseboard B	W	lgt Blue	-0.1	
86	2-41	Wall	SR	W	-0.2	
87		baseboard B	W	R	>9.9	
88	2-42	Door casing	W	W	0.7	
89		Wall C	SR	BLW	-0.1	
90	2-43	Door casing A	W	W	>9.9	
91		baseboard B	W	W	0.1	
92		Wainscoting A	W	W	>9.9	
93	2-44	chair rail A	W	Turquoise	-0.0	
94		lower paneling C	W	↓	0.0	
95		Center Door C	W	↓	5.1	
96	2-45	Window stop A	W	W	>9.9	
97		Wainscoting A	W	W	>9.9	
98		Door casing B	W	W	-0.1	
99	2-46	Window sill B	W	Brown	>9.9	
100		Baseboard B	W	↓	>9.9	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
101	2-46	Floor	W	Brown	0.1	
102	2-47	Wall C	SR	1st Green	0.1	
103	2-48	Wall A	SR	W	0.2	
104		Baseboard B	W	W	79.9	
105		Door Sash	W	W	79.9	
106	2-49	Door Casing	W	W	79.9	
107		Wall C	SR	W	0.0	
108	2-50	Window sill B	W	W	79.9	
109		Baseboard A	W	W	79.9	
110	2-49	Door C	W	W	4.8	
111	2-51	Wainscoting C	W	B	79.9	
112		Chair rail C	W	B	79.9	
113		Wall B	SR	W	2.9	
114		Window sash C	W	W	8.9	
115		Cabinet Door B	W	W	79.9	
116	2-52	Wall B	SR	W	0.0	
117		Window sill	W	W	79.9	
118	2-53	Door Casing	W	W	79.9	
119		closet wall B	P	P W	0.1	
120	2-54	Wall D	SR	W	0.1	
121		6" vent pipe	M	WW	1.5	
122	2-56	Wall C	SR	W	0.1	
123		base board (3") C	W	W	0.0	
124		Door casing (3") D	W	W	0.1	
125	2-58	Wall D	SR	W	0.1	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
126	2-58	Lrg Window Casing D	W	W	79.9	
127		Small Window Casing D	W	W	0.1	
128		Baseboard 3" D	W	W	0.2	
129	2-59	Wall A	SR	Peride	0.0	
130		Door Jamb A	W	Black	0.1	
131	2-60	Wainscoting C	W	Black	79.9	
132		Wall D	SR	W	0.1	
133		Window Casing A	W	W	79.9	
134		Window sill A	W	W	0.1	
135	2-61	Window sill A	W	W	0.1	
136		Window Jamb A	W	W	79.9	
137		Ceiling Above ACT	P	W	2.6	
138	ST-02	Wall B	SR	W	0.1	
139		Stair baseboard B	W	R	79.9	
140		Stair riser	W	R	0.0	
141	3-03	Wall B	SR	SR W	0.0	
142	B	Baseboard B	W	W	79.9	
143		Window Casing A	W	W	79.9	
144	3-04	Wall A	P	W	0.1	
145		Window Sill	W	W	79.9	
146		Wall C	P	W	0.2	
147		Baseboard C	W	W	79.9	
148	3-05	Floor	W	Brown	0.2	
149		Wall C	P	Green	0.2	
150		Upper closet wall D	P	W	0.2	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
151	3-66	lower wall B	W	Tan	79.9	
152		upper wall D	P	W	70.0	
153		Door C	W	Tan	79.9	
154	3-67	Wall C	P	W	70.2	
155		Baseboard C	W	W	79.9	
156	3-68	lower wall D	W	W	79.9	
157	3-68	upper wall	P	W	70.0	
158		Door Casing E	W	W	79.9	
159		Door	W	W	70.1	
160	3-69	Baseboard B	SR	W	79.9	
161		wall B	W	W	70.1	
162	3-70	Wainscoting	W	W	3.7	
163		wall C	P	BL	70.1	
164		Floor	W	Brown	70.1	
165	3-71	wall B	P	W	2.7	
166		Baseboard A	W	W	0.2	
167		Window sill C	W	W	1.9	
168	3-72	Window Jamb C	W	Peach	3.4	
169		wall A	SR	Green	70.2	
170	3-73	baseboard wall C	W	↓	79.9	
171		wall B	P	↓	0.0	
172	3-74	wall A	P	Purple	70.0	
173		Door Casing D	W	W	79.9	
174	3-75	wall D	SR	W	70.0	
175		baseboard B	W	W	79.9	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
180 176	3-76	Door A	W	Dark Blue	19.9	
181 177	3-76	wall B	P	lt Blue	0.2	
182 178	3-77	wall A	P	st Pink	0.2	
183 179	3-77	window casing	W	Dark Pink	19.9	
184 180	3-78	wall C	SR	cream	0.1	
185 181		closet wall B	SR	Perple	0.2	
186 182	3-79	baseboard D (3")	W	W	0.0	
187 183	3-79	wall C	SR	cream	0.2	
188 184	3-80	Door casing D	W	Grey	0.2	
189 185	-	wall D	SR	W	0.1	
190 186	3-81	wall C	SR	Green	0.1	
191 187		Baseboard B	SR	Pink	0.0	
192 188	3-82	wall C	SR	Blue	0.4	
193 189		Door Jamb D	W	W	0.1	
194 190	3-83	wall B	SR	Blue	0.1	
195 191		Baseboard D	W	W	0.2	
196 192		Floor	W	R	0.0	
197 193	3-84	wall C	SR	Blue	0.2	
198 194	3-85	wall D	SR	Blue	0.0	
199 195		window casing	W	W	19.9	
200 196	3-86	Cabinet Door D	W	W	0.1	
197	3-87	wall C	W	W	0.1	
198	3-88	window sash A	W	W	0.6	
199		wall panel B	W	W	0.1	
200		baseboard C	W	W	0.2	

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

XRF Field Data Sheet

Building: _____ Date: _____ XRF Job #: _____ Inspector: _____

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
201	3-89	Floor	W	R	0.0	
202	3-90	Wall B	SR	W	0.1	
203	3-91	Wall A	SR	SR W	0.0	
204	3-92	Baseboard (S) D	W	W	0.1	
205		Door Casings B (S)	W	W	0.2	
206	3-93	Wall D	SR	SW	0.1	
207	3-93	Window Casings D	W	W	79.9	
208	3-94	Door/Window Casings C	W	W	79.9	
209	3-94	Wall B	SR	Yellow	0.1	
210	3-95	Wall D	SR	Green	0.1	
211		Baseboard D	W	W	0.1	
212		Window Casings	W	W	79.9	
213	Post	Calibrade		→	0.9	
214	↓				1.0	
215	↓				0.9	
216						
217						
218						
219						
220						
221						
222						
223						
224						
225						

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364

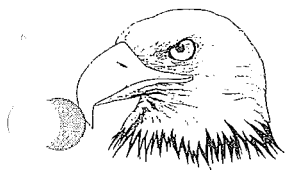
XRF Field Data Sheet

Building: Citizen Block Date: 6-19-03 XRF Job #: 11:08 Inspector: Caleb Conley

Reading #	Room	Component	Substrate	Color	XRF Reading	Quantity
01		Pre Calibrate			0.9	
02		↓			0.9	
03		↓			0.8	
04	1-31	Ceiling above 1st drop	particle B. W	W	0.2	
05	1-31	assumed: original ceiling boards	solid W	W	>9.9	Assume original board ceiling to run throughout 1st Fl.
06	ST-35	ceiling boards	W	W	>9.9	
07	2-48	ceiling	SR	W	~0.1	
08	2-40	ceiling	P	Brown	~0.0	
09	2-39	ceiling	P	Brown	~0.0	
10	2-39	painted drop ceiling board	W	Yellow	>9.9	
11	3-03	panel boards @ roof hatch	W	W	>9.9	
12	3-70	ceiling	P - board W	orange	~0.1	
13		Post Calibrate			1.0	
14		↓			1.0	
15		↓			1.0	
16						
17						
18						
19						
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21						
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24						
25						

Substrate Code: Sheetrock=SR, Plaster=P, Brick=B, Wood=W, Metal=M, Cinder Block=CB, Concrete=C

XRF Serial No. 1364



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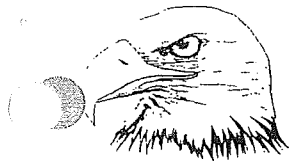
PCB LIGHT BALLAST INSPECTION LOG

FLOOR	ROOM	MANUFACTURER	CAT. NO.	QTY	PCB: Y/N	DATE STAMP
0	02	GE	58G692	8	yes	-
0	11	Universal	446-LR-TC-P	2	yes	-
0	12	↓	↓	2	yes	-
1	20	Magnetek (Universal)	806-BR-TC-P	1	no	-
1	21	↓	↓	8	no	-
1	25	Universal	446-LR-TC-P	2	yes	-
1	24	Universal	808-BR-TC-P	2	no	-
1	28	↓	↓	2	no	-
1	31	GE	2965L-120-P 8G1011W	24	no	-
1	32	↓	↓	1	no	-
1	34	Advance	R-2E25-S-2-TP	24	no	-
1	31	Motorola	M4-IN-T8-GP-A-120	8	no	-
2	3540	Universal	446-LR-TC-P	1	no	-
2	39	Universal	447-L-TC-P	1	yes	-
2	44	Regent	1066	1	no	-
2	51	↓	↓	2	no	-
2	59	SOLA	C60	2	yes	-
2	56	↓	↓	2	yes	-
2	58	↓	↓	5	yes	-
2	60	↓	↓	4	yes	-
2	61	↓	↓	4	yes	-

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481 NORTH MAIN STREET • UNIT 11 • BRISTOL, CT 06010
PHONE (860) 589-8257 • FAX (860) 585-7034



EAGLE

ENVIRONMENTAL, INC.

MERCURY VAPOR LIGHT TUBE INSPECTION LOG

FLOOR	ROOM	TYPE/LENGTH	QUANTITY
0	02	Sylvania 2 Foot	5
0	11	Sylvania 4 Foot	3
0	12	↓	2
1	20	↓	4
1	21	Sylvania 8 Foot	16
1	20	T STAT	1
1	23	GE 4 Foot	4
1	24	↓	10
1	24	Sylvania 8 Foot	4
1	25	T STAT	1
1	28	Sylvania 8 Foot	4
1	28	T STAT	1
1	31	GE 8 Foot	48
1	32	↓	2
1	34	↓	24
1	31	T STAT	1
1	31	Philips thin 4 Foot	32
2	40	unknown 4 Foot	2
2	39	ITT 2 Foot	2
2	44	Philips 2 Foot Round	2
2	51	↓	2

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HAZARDOUS MATERIALS COST ESTIMATES

30-36 MAIN STREET VERNON, CT

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
FLOOR TILE AND MASTIC	5078	\$ 3.50 SQ.FT.	\$ 17,773.00
VINYL SHEET FLOORING	835	\$ 3.50 SQ.FT.	\$ 2,922.50
PIPE INSULATION	17	\$ 30.00 L.F.	\$ 510.00
JOINT COMPOUND	23,464	\$ 3.00 SQ.FT.	\$ 70,392.00
TEXTURED CEILING PAINT	1819	\$ 4.00 L.F.	\$ 7,276.00
CLOTH GASKETS	2	\$ 50.00 SQ.FT.	\$ 100.00
TRANSITE PANELS	749	\$ 6.00 SQ.FT.	\$ 4,494.00
WALL PANEL ADHESIVE	260	\$ 4.00 SQ.FT.	\$ 1,040.00
PAPER INSULATION AT HEATERS	25	\$ 50.00 SQ.FT.	\$ 1,250.00
CHIMNEY FLUE CEMENT	1	\$ 100.00 SQ.FT.	\$ 100.00
LIGHT FIXTURE PAPER	3	\$ 75.00 SQ.FT.	\$ 225.00
BLACK SINK COATING	1	\$ 100.00 EACH	\$ 100.00
VINYL COVE BASE ADHESIVE	6	\$ 10.00 L.F.	\$ 60.00
EXTERIOR CAULK	217	\$ 6.00 L.F.	\$ 1,302.00
FLASHING CEMENT	33	\$ 3.00 SASH	\$ 99.00
ROOFING FELTS AT CHIMNEY	16	\$ 3.00 SQ.FT.	\$ 48.00
SUBTOTAL			\$ 107,691.50
ASBESTOS ABATEMENT CONTINGENCY			\$ 10,769.15
ASBESTOS TOTAL			\$ 118,460.65

PCB AND MERCURY ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
MERCURY THERMOSTAT DISPOSAL	4	\$ 35.00 EACH	\$ 140.00
BALLASTS DISPOSAL	90	\$ 10.00 EACH	\$ 900.00
LIGHT TUBES DISPOSAL	1006	\$ 1.50 L.F.	\$ 1,509.00
SUBTOTAL			\$ 2,549.00
PCB AND MERCURY ABATEMENT CONTINGENCY			\$ 637.25
PCB AND MERCURY TOTAL			\$ 3,186.25

LEAD BASED PAINT

ABATEMENT COST	QUANTITY	UNIT COST	TOTAL COST
LABOR	25	\$ 400.00 DAY	\$ 10,000.00
DISPOSAL	30	\$ 175.00 CU./YRD.	\$ 5,250.00
SUBTOTAL			\$ 15,250.00
LEAD BASED PAINT ABATEMENT CONTINGENCY			\$ 1,525.00
LBP TOTAL			\$ 16,775.00

PIGEON GUANO ABATEMENT CONTINGENCY

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
REMOVAL AND DISPOSAL	1	\$7,500.00 EACH	\$ 7,500.00
CLEAN UP CONTINGENCY			\$ 750.00
PIGEON GUANO CLEAN UP TOTAL			\$ 8,250.00

HAZARDOUS MATERIALS CONSULTING COST ESTIMATE

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
ABATEMENT DESIGN	1	\$2,200.00 EACH	\$ 2,200.00
ABATEMENT MONITORING	35	\$425.00 DAY	\$ 14,875.00
TEM AIR SAMPLE ANALYSIS	15	\$90.00 EACH	\$ 1,350.00
PROJECT MANAGEMENT	15	\$75.00 HOUR	\$ 1,125.00
CONSULTING CONTINGENCY			\$ 1,487.50
CONSULTING TOTAL			\$ 21,037.50

GRAND TOTAL

\$ 167,709.40

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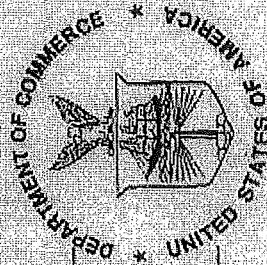
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ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

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BULK ASBESTOS FIBER ANALYSIS

June 30, 2003

Effective through

David F. Alderman

For the National Institute of Standards and Technology
NVLAP Lab Code: 200333-0

NVLAP-01C (11-95)

State of Connecticut
Board of Trustees, Community-Technical Colleges
Capital Community College
950 Main Street, Hartford, CT 06103 -- (860) 906-5134

This is to certify that

Caleb Cowles
452 Willard Ave., Newington, CT 06111
SS# 049-68-4610

has successfully completed the
24 Hour Asbestos Inspector Initial Course
Asbestos Accreditation under TSCA Title II
40 CFR Part 763

Frank Mills

Instructor

Jan. 9, 10 & 13, 2003

Date of Course

January 13, 2003: B+

Examination Date & Grade

Patricia Lindsey
Training Manager

AI-I-01/16-3

Certificate Number

January 13, 2004

Expiration Date

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSPECTOR

CALEB J. COWLES

LICENSE NO.
000556
CURRENT THROUGH
02/29/04
VALIDATION NO.
03-868833

[Signature]
SIGNATURE

[Signature]
COMMISSIONER, DEPT. OF PUBLIC HEALTH