# UPDATE PRE-RENOVATION ASBESTOS SURVEY AND LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

**Pulaski Library** 

1151 Hudson Avenue Rochester, New York 14621



Prepared For:

City of Rochester 30 Church Street Rochester, New York 14614

Prepared By:



175 Sully's Trail, Suite 202 Pittsford, New York 14534

Update June 2012

# UPDATE PRE-RENOVATION ASBESTOS SURVEY AND LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

### PULASKI LIBRARY

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# 1.0 INTRODUCTION

Lu Engineers was retained by The City of Rochester, to provide an update to the Pre-Renovation Asbestos Survey and Limited Hazardous Materials Assessment Report for the Pulaski Library, located at 1151 Hudson Avenue, Rochester, New York 14621. The required licenses and certifications to conduct this work are included in Attachment A.

### 2.0 PROJECT OVERVIEW

The Pre-Renovation Asbestos Survey and Limited Hazardous Materials Assessment Update was conducted in order to identify suspect asbestos containing materials (ACM), possible lead based paint, possible PCB-containing caulks, glazing, expansion joints and possible PCB-containing light ballasts associated with existing building materials and a Limited Mold Inspection within the Pulaski Library. The visual inspections were conducted on January 26, 2010 and February 9, 2010 and June 5, 2012.

### 2.1 <u>Records Review</u>

The Pre-Renovation Asbestos Survey and Limited Hazardous Materials Assessment Report prepared by Lu Engineer's, dated March 2010 was reviewed.

There were no other records to review for this project.

### 3.0 SITE INSPECTION

### 3.1 <u>Asbestos</u>

One of the purposes of the visual inspection was to identify homogeneous areas of suspect asbestos containing materials that exist throughout the building. The Asbestos Hazard Emergency Response Act (AHERA) regulations define a homogeneous area as, "... an area of surfacing material, thermal insulation material, or miscellaneous material that is uniform in color and texture." Furthermore, homogeneous areas should consist of the same age and application.

The inspectors identified homogeneous areas that were present within the interior and on the exterior of the building. The suspect asbestos materials were given a homogeneous identification number based on color and texture of the material. A list of homogeneous area numbers (HA) of the materials encountered is included with the Asbestos Result Table in Section 4.1. Each room was given a space identification number (ID). The space ID number correlates with the ID number found on each Interior Room-by-Room Inspection Form located in Attachment B.

Occupational Safety and Health Administration (OSHA) and 40 CFR 763 Subpart E - Asbestos Hazard Emergency Response Act (AHERA) bulk sampling protocols were followed.

Three (3) samples of a homogenous surfacing material in quantities of 1,000 Square Feet or less were collected.

### PRE-RENOVATION ASBESTOS SURVEY AND LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

- Five (5) samples of a homogenous surfacing material in quantities greater than 1,000 Square Feet but less than 5,000 Square Feet were collected.
- Seven (7) samples of a homogenous surfacing material in quantities greater than 5,000 Square Feet were collected.
- > Three (3) samples of Thermal System Insulation (TSI) material were collected.
- > Two (2) samples of each miscellaneous material were collected.

All Samples were analyzed via stop positive protocols.

Friable samples were analyzed using NYS ELAP Method 198.1 (Polarized Light Microscopy (PLM)). Non-friable organically bound (NOB) samples were analyzed using NYS ELAP Method 198.6 (PLM) and, if found to be negative, NYS ELAP Method 198.4 (Transmission Electron Microscopy (TEM)). Paradigm Environmental Laboratories was the NYSDOH-approved laboratory used for analysis in the June 2012 Update. A copy of Paradigm's credentials can be found in Attachment A.

Initially, ninety-four (94) samples were collected from forty (40) distinct homogenous areas and sent in for laboratory analysis. Sixteen (16) additional samples were collected form eight (8) distinct homogenous areas and sent in for laboratory analysis as part of the June 2012 Update. The sample numbers on the Bulk Sample Location Plan corresponds with the sample numbers on the Bulk Sample Logs and the Field ID numbers on the Laboratory Analytical Reports and the Chain of Custody forms, which are all located in Attachment C.

### 3.2 Lead Based Paint

An EPA-certified Lead Risk Assessor from Lu Engineers conducted the limited lead sampling. Several surfaces in poor condition and likely to be part of the proposed renovations, were sampled for lead content. A total of seven (7) lead samples were collected. The sample locations are indicated on the Asbestos, PCB and Lead Sample Location Plans included in Attachment C. The sample number indicated on the plans corresponds to the sample number on the laboratory analytical report, paint chip sampling log and the chain of custody forms, which are also included in Attachment C.

The samples were submitted to Paradigm Environmental Services, Inc., an ELAP, NVLAP- and AIHA-certified laboratory. A copy of Lu Engineers' licenses and risk assessor certifications, as well as Paradigm's laboratory credentials are included in Attachment A.

### 3.3 PCB Caulks, PCB Ballasts, and Fluorescent Light Bulbs

Suspect PCB caulks and glazings were sampled. In total, five (5) samples were collected; three (3) from the exterior and two (2) from the interior. The sample locations are indicated on the Asbestos, PCB and Lead Sample Location Plans included in Attachment C. The sample number indicated on the plans corresponds to the sample number on the laboratory analytical report and the chain of custody which are included in Attachment C.

The samples were submitted to Paradigm Environmental Services, Inc., an ELAP, NVLAP and AIHA-certified laboratory. Bulk PCB samples were analyzed using EPA Method 8082. Paradigm's laboratory credentials are included in Attachment A.

### 3.4 <u>Mold</u>

Lu Engineers conducted a visual inspection of the Former Pulaski Library for the presences of mold. There were minor amounts of surface mold observed with in the basement of the old library.

Lu Engineers did the following during the Limited Mold Inspection.

- Visually assessed the Library in order to identify, evaluate and quantify any potential mold contamination.
- Inspected areas with in the library where mold is susceptible to grow such as basement, crawl spaces and attic.
- Prepared location drawings were mold was visually noticed
- Photographed site conditions
- Prepared findings and recommendations in a final report

The areas of concern with in the Pulaski Library are located with in the basement. More detailed locations of the mold contamination can be found on the Mold Location Plans located in Attachment D.

# 4.0 ANALYTICAL RESULTS

4.1 Asbestos Results

As defined by the NYSDOL 12 NYCRR 56, a sample is considered to be asbestos containing if it contains greater than 1% asbestos based on laboratory analysis.

A list of Homogeneous Areas identified for each building area surveyed is included below. The **bold** and *italicized* Homogeneous Areas description indicates that the material is positive, based on the sample results.

Homogeneous Area No. (HA)	Description	Asbestos Content and Type of Analysis
1	White Plaster Top Coat	NAD – PLM
2	Grey/Brown Plaster Rough Coat	NAD – PLM
3	Brown Fiberboard	NAD – PLM
4	Pink Insulation	NAD – PLM
5	Brown Ceramic Wall Tile	NAD – PLM
6	Grey Grout	NAD – PLM

Homogeneous Area No. (HA)	Description	Asbestos Content and Type of Analysis
7	Grey Mudset Adhesive	NAD – PLM
8	Black Panel Glue	11% Chrysotile-PLM
9	Tan Panel Glue	NAD – TEM
10	Grey Speckled 12"x12" Floor Tile	24% Chrysotile-PLM
11	Black Floor Tile Mastic	NAD – TEM
11a	Black Fibrous Paper under Floor Tiles	NAD – TEM
12	Orange Ceramic Floor Tile	NAD – PLM
13	Grey Grout	NAD – PLM
14	Dark Grey Mudset	NAD – PLM
15	Brown 4"Cove Base	NAD – TEM
16	Tan Cove Base Mastic	NAD – TEM
17	Brownish Red 12"x12" Floor Tile	21% Chrysotile-PLM
18	Tan Carpet Mastic	NAD – TEM
19	Black Cove Base Mastic	NAD – TEM
20	White Decorative Plaster	NAD - PLM
21	Grey Corrugated Radiator Insulation	80% Chrysotile-PLM
22	Grey Pipe Insulation	36% Chrysotile-PLM
23	Grey Pipe Elbows	40% Chrysotile-PLM
24	Grey Window Glaze	NAD – TEM
25	Grey 9"x 9" Floor Tile	17% Chrysotile-PLM
26	Black Floor Tile Mastic	NAD – TEM
27	Tan Exterior Mortar between Sandstone Blocks	NAD – PLM
28	Off White Stucco	NAD – PLM
29	Orange Parge Coat	NAD – PLM
30	Grey Sticky Door Caulk	NAD – TEM
31	Grey Brittle Caulk on Foundation	NAD – TEM
32	Grey Hard Door Caulk	NAD – TEM
33	Black Bottom Layer Shingle	NAD – TEM
34	Black Tar Paper	NAD - PLM*
35	Black Top Layer Roofing	NAD – TEM
36	Black Tar on Roof and Flashing	NAD - PLM*
37	Grey Interior Window Caulk	NAD – TEM
38	Grey Drywall	NAD – PLM
39	White Joint Compound	NAD – PLM
40	White Joint Compound Tape	NAD – PLM
41	Black Roof Tar on Clay Tile	17% Chrysotile-PLM

Homogeneous Area No. (HA)	Description	Asbestos Content and Type of Analysis
42	Black/Silver Roof Cement	16% Chrysotile-PLM
43	Black Shiny Roof Tar	NAD – PLM
44	Black Tar Paper	NAD – PLM*
45	Brown Duct Tape	67% Chrysotile-PLM
46	Grey Flue Cement	NAD – PLM
47	Black Flooring	NAD – PLM
48	Brown Linoleum Flooring	NAD – PLM

NAD - No Asbestos Detected

TRACE - Less than 1% Asbestos Content

PLM- Polarized Light Microscopy EPA/600/R-93/116 and/or NYS ELAP Method 198.1

TEM- Transmission Electron Microscopy NYS ELAP Method 198.4 and/or 198.6

\* -Sample is Less than 1% by weight after Gravimetric Reduction, TEM not required.

### 4.2 Lead Based Paint Results

According to the Unites States Environmental Protection Agency (EPA), paint or other surface coating is considered lead based if the concentration of lead is equal to, or greater than 0.5% by weight. Therefore, one of the seven (7) samples collected is considered lead based paint per EPA standards.

The following table summarizes the lead paint chip sampling results:

Sample #	<b>Building Component</b>	Substrate	Results (% by weight)
LBP-2001-1A	Window Sill	Wood	0.022
LBP-2003-2A	Walls / Ceiling	Plaster	0.178
LBP-1001-3A	Walls	Wood	0.021
LBP-1001-4A	Ceiling	Plaster	0.633
LBP-B001-5A	Wall	Plaster	0.007
LBP-B001-6A	Floor	Concrete	0.038
LBP-1001-7A	Doors/Windows	Metal	0.045

A **bold** and *italicized* row indicates that the surface coating has a lead concentration that is equal to or greater than 0.5% by weight based on analytical results.

According to the Occupational Safety and Health Administration (OSHA), lead means metallic lead, all inorganic lead compounds and organic soaps with any concentrations of lead. Therefore, all seven (7) samples collected are considered lead containing per OSHA standards.

### 4.3 PCB Results

EPA defines PCB bulk product waste, "as waste derived from manufactured products containing

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PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal was > 50 ppm PCBs".

Sample #	Building Component	Results
PCB-24	Window Glaze	ND < 14.7 mg/kg or ppm
PCB-30	Grey Sticky Door Caulk	ND < 13.6 mg/kg or ppm
PCB-31	Grey Brittle Caulk	52.1 mg/kg or ppm
PCB-32	Grey Hard Door Caulk	ND < 13.0 mg/kg or ppm
PCB-37	Grey Interior Window Caulk	ND < 14.4 mg/kg or ppm

The following table summarizes the PCB sampling results:

Sample number relates to Asbestos HA#

A **bold and italicized** row indicates that the building material has a PCB concentration that is equal to or greater than 50 ppm based on analytical results.

# 5.0 ASBESTOS MATERIALS AND LOCATIONS

Based on the analytical results, the following table identifies the Homogeneous Areas that contain asbestos along with the material description and approximate quantity. Asbestos Inspection Summary Tables and Asbestos Location Plans can be found in Attachment D.

Homogeneous Area No. (HA)	Description	Quantity
8	Black Panel Glue	75 SF
10	Grey Speckled 12"x12" Floor Tile	78 SF
17	Brownish Red 12"x12" Floor Tile	5790 SF
21	Corrugated Radiator Insulation	475 SF
22/23	Pipe Insulation	840 LF
25	Grey 9"x 9" Floor Tile	860 SF
41	Black Roof Tar (Clay Tile)	91 SF
42	Black/Silver Roof Cement	35 SF
45	Brown Duct Tape	20 LF

# 6.0 LIMITATIONS OF THE INVESTIGATION

### 6.1 <u>Asbestos</u>

Inaccessible areas were not inspected (i.e., behind chase walls and above plaster ceilings).

Additional suspect materials may be present below the terracotta roof tile.

The small roof located at the southwest corner of the building was covered by an EPDM membrane on the actual inspection date.

The condition of the suspect materials is based on the actual inspection date.

Quantities indicated on the room-by-room inspection forms are based on the visual inspection. Additional quantities may exist, i.e. above ceilings and behind walls.

### 6.2 <u>Lead Based Paint</u>

The lead assessment was limited to representative areas throughout the building. <u>Not</u> all building components were sampled for the presence of lead. The limited number of samples taken is by no means considered a complete lead inspection or assessment.

### 6.3 <u>PCB's</u>

Inaccessible areas were not inspected (i.e., behind chase walls and above plaster ceilings).

### 6.4 <u>Mold</u>

Inaccessible areas were not inspected (i.e., behind chase walls and above plaster ceilings).

The condition and quantity of visually identified mold is based on the actual inspection date.

Sampling and testing for type of mold was not done as part of this report.

# 7.0 RECOMMENDATIONS

### 7.1 <u>Asbestos Materials</u>

Asbestos Containing Materials have been identified as part of this assessment as shown on the Asbestos Location Plans in Attachment D. Abatement of the asbestos materials if impacted by the renovation activity is required prior to any work that would disturb them as outlined in 12 NYCRR 56.

It is recommended that Asbestos Removal Plans and Specifications be included in contract documents to detail the asbestos scope of work.

### 7.2 Lead Based Paint

Due to the extremely poor condition of the paint located on the building components throughout the Pulaski Library, it is recommended that the paint on these building components be repaired utilizing lead safe work practices. For current and future renovation projects, it is recommended that all contractors follow OSHA Standard 29 CFR 1926.62 relating to lead in the construction industry.

A Worker's Protection Specification and a Lead Control Plan Specification are recommended to be included in the contract documents.

# 7.3 <u>PCB's</u>

Caulks containing 50 parts per million (ppm) by weight (on a dry weight basis for other than liquid wastes) or greater of PCBs may be listed hazardous wastes in accordance with New York State Department of Conservation regulations (6 NYCRR Part 371). PCB wastes are also regulated by EPA in the 40 CFR Part 761 regulations.

Inspect additional light fixtures for PCBs if they are to be impacted by the overall project.

Finalize the number of fluorescent bulbs that will be required to be removed and disposed of as Universal Waste for Recycle under 6 NYCRR Subpart-374-3.

A PCB abatement specification including removal of fluorescent light bulbs is recommended to be included in the contract documents.

### 7.4 <u>MOLD</u>

Recommendations for clean-up of mold contamination areas are based on quantity and severity. The areas noticed with mold have a small amount of mold and the entire building is unoccupied space. Based on the severity and quantity of mold and that the building is unoccupied the mold contamination is considered low.

The mold is located on small piece of drywall located just west of the center stairs and on the ceiling joist with in space ID B002. The cleanup of mold can be conducted as part of the renovation work. Mold removal should be conducted by properly trained personnel.

At a minimum a N95 respirator eye protection, gloves, disposable overalls and boots should be worn while cleaning up the moldy surface. Any HVAC systems should be turned off or isolated from the contaminated area and plastic sheeting should be put on diffusers and return air openings.

The affected areas should be HEPA vacuumed and cleaned using a detergent/disinfectant solution. The contaminated wall board and ceiling should be removed a minimum of 30 cm beyond demarcation line of visible growth. A drop cloth shall be placed under the removal area and dust control methods should be used. All waste shall be disposed in a 6mil poly bag, wet wipe/HEPA vacuum the bag and doubled bag it for final removal. Consider HEPA vacuuming around the areas of removal.

# ATTACHMENT A

# Licenses, Certifications and Laboratory Credentials

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PULASKI LIBRARY



### ASBESTOS HANDLING LIGENSE

Joseph C, Lu Engineering And Land Surveying, P.C. Suite 202 175 Sullys Trail

Pittsford NY 11534

FILE NUMBER: 95-090 LICENSE NUMBER: 29286 LICENSE CLASS: RESTRICTED DATE OF ISSUE: 01/19/2012 EXPIRATION DATE: 01/31,2013

Duly Authorized Representative - Susah Hilto

ME

This treast has been issued in accurations with applicable provisions of Armar. Brof the Labor Law of New York State and of the New York State Codes, Rules and Regulations [12 NYCKR Part 56]. It is subject to suspension or revocation for a (1) switches vielation of state, federal or local laws with regard to the conduct of an attrestor project, or (2) demonstrated tack of reconsibility in the conduct of any promyolving aspectos or asbestos material.

This license it will only for the contractor named above and this license or a photocopy must be prominently displayed at a asbestos project worksite. The species everifies that all persons employed by the licensee on an asbestos project in New York State in vertices is used an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of U abor.

SH 432 (4-07)

Maureen A. Cox, Director FOR THE COMMISSIONER OF LABOR

# STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



SUSAN A HILTON CLASS(EXPIRES) DINSP(10/12) I PO (10/12)

MV# 238407483 MUST BE CARRIED ON ASBESTOS PROJECTS

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HAIR	BLN	ROOM 161A BUILDING 12
hgt	5' 06"	STATE OFFICE CAMPUS
		ALBANY NY 12240

### STATE OF NEW YORK - DEPARTMENT OF LABOR

**ASBESTOS CERTIFICATE** 



MITCHELLS SMITH CLASS(EXPIRES) CATEC(03/13) BIRSP(03/13) H FM (03/13) I PD-(03/13)

CERT# 97-15393 DMV# 992171375 MUST BE CARRIED ON ASBESTOS PROJECTS



	IF FOUND RETURN TO:
BYBS GRN	NYSDOL - L&C UNIT
HAIR BRO	ROOM 161A BUILDING 12
HGT 5' 08"	STATE OFFICE CAMPUS
	ALBANY NY 12240







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		ALBANY NY 12240

# United States Emironmental Protection Agency

This is to certify that

Joseph C. Lu Engineering & Land Surveying, PC.

WITED STATES

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1), and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226.



New York

This certification is valid from the date of issuance and expires August 1, 2012

Lennoln

Kenneth S. Stoller, P.E., QEP, DEE, Chief

WTE0 5743

Pesticides & Toxic Substances Branch

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NV-2184-2

Issued On





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Certification No N	Y-R-16582-1
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Certified Lead-Based Paint Professional

### NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER RICHARD F. DAINES, M.D.

No.



Expires 12:01 AM April 01, 2010 Issued April 01, 2009

### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in eccordance with and pursuant to section 502 Public Health Law of New York State

MR. RICHARD K. ROTE LABELLA ASSOCIATES 300 STATE STREET ROCHESTER, NY 14614

NY Lab Id No: 11184 EPA Lab Code:

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

### **Miscelleneous**

Asbestos in Friable Material EPA 600/M4/82/020 Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

### Serial No.: 39232

Property of the New York State Department of Heelth. Valid only at the address shown. Numl be conspicuously posted. Valid certificates have a related seet. Continued accreditation depands on successful ongoing participation in the Program. Consumers are urged to call (518) 455-5570 to verify laboratory's accreditation status.

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# NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER

RICHARD F. DAINES, M.D.



Expires 12:01 AM April 01, 2010 Issued April 01, 2009

### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER PARADIGM ENVIRONMENTAL SERVICES INC 179 LAKE AVENUE ROCHESTER, NY 14608

NY Lab Id No: 10958 EPA Lab Code: NY01287

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved analytes are listed below:

Nitroaromatics and Isophorone

Metals I

		•	1
Iron, Total	EPA 6010B	2,4-Dinitrotoluene	EPA 8270C
Lead, Total	EPA 6010B	2,6-Dinitrotoluene	EPA 8270C
Magneslum, Total	EPA 6010B	Isophorone ·	EPA 8270C
Manganese, Total	EPA 6010B	Nitrobenzene	EPA 8270C
Nickel, Total	EPA 6010B	Pyridine	EPA 8270C
Potassium, Total	EPA 6010B	Nitrosoamines	
Sliver, Total	EPA 6010B		
Sodium, Total	EPA 6010B	N-Nitrosodimethylamine	EPA 8270C
Metals II		N-Nitrosodl-n-propylamine	EPA 8270C
		N-NItrosodiphenylamine	EPA 8270C
Aluminum, Total	EPA 6010B	Petroleum Hydrocarbons	
Antimony, I otal	EPA 6010B	Diesel Range Organics	
Arsenic, Total	EPA 6010B	Gasellas Basso Organics	EPA 0015 B
Beryllium, Total	EPA 6010B	Gasonne Range Organics	EPA 8015 B
Mercury, Total	EPA 7471A	Phthalate Esters	
Selenium, Total	EPA 6010B	Benzyl butyl phthalate	EPA 8270C
Vanadlum, Total	EPA 6010B	Bls(2-ethylhexyl) phthalate	EPA 8270C
Zinc, Total	EPA 6010B	Diethyl phthalate	EPA 8270C
Metals III		Dimethyl phthalate	EPA 8270C
Cobalt. Total	FPA 6010B	Di-n-butyl phthalate	EPA 8270C
Thallium. Total	EPA 60108	DI-n-octyl phthalate	EPA 8270C
Miscellaneous		PolychlorInated Biphenyls	
		PCB-1016	EDA 9092
Asbestos in Friable Material	EPA 600/M4/82/020	DCP 1221	EFA 0002
Asbestos In Non-Friable Material-PLM	Item 198.6 of Manual (NOB by Pl	LM)	EPA 8082
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL	PCB-1232	EPA 8082
Hydrogen Ion (pH)	EPA 9045C	PCB-1242	EPA 8082
		PCB-1248	EPA 8082
		PCB-1254	EPA 8082

### Serial No.: 39167

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Building Name: Building Address:	Pulaski L	ibrary		INTER	ЮR ROOM-BY-ROOM 4215-55	INSPECTION I	FORM Space ID No.: 006 Type of Space: 00.166	Date of Inspection	191	2010
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Building Name: Building Address:	Pulaski	Library		NTE I I	RIOR RO( 4215-55	OM-BY-ROC	OM INSPEC	TION F	ORM Space ID Type of S	No.: 1003 A 1004	Date of Inspection	1/31	2102/2
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A15-55     4215-55       Type of Structural Walls     4215-55       EERATE LOWNONE     Potential for Air Erosion:       HID     Potential for Air Erosion:       Distribution     Finable       Potential for Air Erosion:     HID       Distribution     Finable       Potential for Air Erosion:     HID       Distribution     Finable       Potential for Air Erosion:     HID       Distribution     Finable       Advince     Finab

# ATTACHMENT C

Sample Location Plans, Analytical Reports, Chain of Custody And Bulk Sample Logs

UPDATE PRE-RENOVATION ASBESTOS SURVEY AND LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

PULASKI LIBRARY







# Google

LABELLA ASSOCIATES, P. C. ANALYTICAL LABORATORY 300 STATE STREET ROCHESTER, NY 14614 (585) 454-6110 FAX(585) 454-3066

ADDRESS: 2230 Penfield Road

2

CLIENT: Joseph C. Lu Engin. & Land Surv., PC

Penfield. NY 14526-1922

Attn: Susan Hilton

LBL JOB # 7010

ELAP # 11184 TEM ELAP # 10920

CLIENT PROJECT # 4215-55

## SAMPLE TYPE: PLM Bulk

SAMPLE DATE: 01/26/2010

PROJECT LOCATION: Pulaski Library method ASBESTOS OTHER q, FIELD ID LBL ID % TYPE FIBERS MATRIX % **COLOR / DESCRIPTION** 2001-1A 7010-1 P ND ND MINERAL WHITE PLASTER 100 2002-1B Р 7010-2 ND ND MINERAL 100 WHITE PLASTER 1001-1C 7010-3 Р NÐ ND MINERAL 100 WHITE PLASTER 1001-1D 7010-4 Ρ ND ND MINERAL 100 WHITE PLASTER 1001-1E Р 7010-5 ND ND MINERAL 100 WHITE PLASTER P 1001-1F 7010-6 ND ND MINERAL 100 WHITE PLASTER 1001-1G 7010-7 Р ND ND MINERAL 100 WHITE PLASTER B001-1H 7010-8 Р ND ND MINERAL 100 WHITE PLASTER B001-11 7010-9 P ND ND MINERAL WHITE PLASTER 100 2001-2A Р 7010-10 ND ND MINERAL 100 BROWNISH GREY PLASTER 2 SN 2001-2B 7010-11 Р ND ND MINERAL 100 BROWNISH GREY PLASTER 1001-2C 7010-12 Р ND ND MINERAL 100 BROWNISH GREY PLASTER 1001-2D 7010-13 Р ND ND MINERAL 100 BROWNISH GREY PLASTER 1001-2E P 7010-14 ND ND MINERAL 100 BROWNISH GREY PLASTER 1001-2F 7010-15 Р ND ND MINERAL 100 **BROWNISH GREY PLASTER** 1001-2G 7010-16 Р ND ND MINERAL 100 BROWNISH GREY PLASTER B001-2H 7010-17 Р ND ND MINERAL 100 BROWNISH GREY PLASTER B001-21 Р 7010-18 ND ND MINERAL 100 **BROWNISH GREY PLASTER** 2002-3A 7010-19 G ND CELLULOSE 85 TAR 15 **BROWN FIBERBOARD** 2002-3B 7010-20 G ND CELLULOSE 85 TAR 15 **BROWN FIBERBOARD** 2002-4A 7010-21 Р ND FIBERGLASS 100 ND PINK INSULATION 2002-4B 7010-22 Р FIBERGLASS ND 100 ND PINK INSULATION

PLM Method EPA 600/M4/82/020

Lab Supervisor:

 ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster</td>

 P - Friable PLM analytical result
 N - NOB PLM analytical result

 G-Gravimetric Matrix Reduction.
 Sample residue weight <1% of original sample weight, TEM not required.</td>

TA

Date:

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing.

LBL JOB #

7010

FIFI D ID		ethod	ASBESTOS	0	OTHER				T
FIELD ID	LBL ID	Ĩ	TYPE	7	FIBERS	%	MATRIX	9	COLOR / DESCRIPTION
2002-5A	7010-23	P	ND		ND		MINERAL	10	0 BROWN CERAMIC THE
2002-5B	7010-24	Р	ND		ND		MINERAL	10	0 BROWN CERAMIC THE
2002-6A	7010-25	Р	ND		ND		MINERAL	10	0 GREY GROUT
2002-6B	7010-26	Р	ND		ND		MINERAL	10	0 GREY GROUT
2002-7A	7010-27	Р	ND		ND		MINERAL	10	0 GREY MUD SET
2002-7B	7010-28	P	ND		ND		MINERAL	10	O GREV MUD SET
2001-8A	7010-29	N	CHRYSOTILE	11	ND		MIN/BINDER	89	
2001-9A	7010-30	Т	ND		ND		MIN/BINDER	100	TAN GLUE
2001-9B	7010-31	T	ND		ND		MIN/BINDER	100	
2003-10A	7010-32	N	CHRYSOTILE	24	ND		MIN/VINYL	76	GREV ELOOP THE
1001-11A	7010-33	Т	ND		ND		MASTIC	100	BLACK MASTIC
1001-11B	7010-34	Т	ND		ND		MASTIC	100	BLACK MASTIC
2003-11A-A	7010-35	Р	ND		CELLULOSE	100	ND		GREY PAPED
2003-11А-В	7010-36	Р	ND		CELLULOSE	100	ND		GREY PAPER
2002-12A	7010-37	P	ND		ND		MINERAL	100	
2002-12B	7010-38	Р	ND		ND		MINERAL	100	
2002-13A	7010-39	Р	ND		ND		MINERAL	100	GREV GROUT
2002-13B	7010-40	Р	ND		ND		MINERAL	100	GREY GROUT
2002-14A	7010-41	P	ND		ND		MINERAL	100	GREY MUD SET
2002-14B	7010-42	Р	ND		ND		MINERAL	100	GREY MUD SET
2001-15A	7010-43	P	ND		ND		RUBBER	100	BROWN COVE BASE
2001-15B	7010-44	P	ND		ND		RUBBER	100	BROWN COVE BASE
2001-16A	7010-45	Т	ND		ND		MIN/BINDER	100	TAN MASTIC
2001-16B	7010-46	т	ND		ND		MIN/BINDER	100	TAN MASTIC
1001-17A	7010-47	N	CHRYSOTILE	21	ND		MIN/VINYL	79	BROWNISH RED ELOOR THE
1001-18A	7010-48	Т	ND		ND		MIN/BINDER	100	TAN MASTIC
1 <b>0</b> 01-18B	7010-49	Т	ND		ND		MIN/BINDER	100	TAN MASTIC
1001-19A	7010-50	т	ND		ND		MASTIC	100	BLACK MASTIC

PLM Method EPA 600/M4/82/020

Lab Supervisor:

Date:

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = TracePLAS - Plaster P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result G-Gravametric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing."

Page 2 of 3

LBL JOB # 7010

		poq	ASBESTOS	8	OTUPD				
FIELD ID	LBL ID	met	ТҮРЕ	%	FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
1001-19B	7010-51	T	ND		ND		MASTIC	100	BLACK MASTIC
1001-20A	7010-52	P	ND		ND		MINERAL	100	WHITE PLASTER
1001-20B	7010-53	P	ND		ND		MINERAL	100	WHITE PLASTER
1002-20C	7010-54	P	ND		ND		MINERAL	100	WHITE PLASTER
1001-21A	7010-55	Р	CHRYSOTILE	80	ND		BINDER	20	GREY AIRCELL INSULATION
B001-22A	7010-56	Р	CHRYSOTILE	36	ND		MINERAL	64	WHITE PIPE INSULATION
B001-23A	7010-57	Р	CHRYSOTILE	40	ND		MINERAL	60	WHITE PIPE INSULATION
B001-24A	7010-58	r	ND		ND		MIN/BINDER	100	GREY WINDOW GLAZING
B001-24B	7010-59	т	ND		ND		MIN/BINDER	100	GREY WINDOW GLAZING
B001-25A	7010-60	N	CHRYSOTILE	17	ND		MIN/VINYL	83	GREY FLOOR THE
B001-26A	7010-61	Т	ND		ND		MASTIC	100	BLACK MASTIC
B001-26B	7010-62	Т	ND		ND		MASTIC	100	BLACK MASTIC
						3			
M Method EPA 600/M4/82	2/020 L	.ab	Superviso	r:	Mat	ł	Smith	ι	Date:29/10
D - None Detected CELL- P - Friable PLM analy	-Cellulose JC tical result N	: - Jo - No	oint Compound OB PLM analy	l rtical	MIN - Mine result T -	ral TEN	GLASS - Fibe I analytical res	erglas: sult	s $<1 =$ Trace PLAS - Plaster

G-Gravametric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing."

Page 3 of 3



# **CHAIN OF CUSTODY**

LaBella Associates, P.C. Analytical Laboratory 300 State Street	Cliente Lu Frazie	PO#: 222852 LBL	Job # <u>7010</u>
Rochester, NY 14614	Chent: Lu Engine	Projec	t # <u>4215-55</u>
585.454.6110 Fax 585.454.30	O66 Site Address:	Corner of Norton	e Hudson
Pre-Abatement:		Rochester NY	
Work in Progress.	Site Description:	Pulaski Library	
Finals:	Sample Technician:	MTS / MW	
Observations/Comments	STOP	POSITIVE	
Field Data Sheet Supplied With	Samples: Yes / No	Date Sampled:	1/26/10
Requested Analysis: Air-Fi	ibers: Bulk	Asbestos: <u>66</u> C	Other:
Lab ID # Field ID #	Lab ID # Field ID #	Lab ID # Field ID #	Lab ID # Field ID #
1010-1 2001-1A	7010-17 BODI-24	7010 - 32 2003 - 10A	7010-48 1001-171
3 2002-18	18 BOOI-27	VOTD 33 2003- 10B	VOID 1001-17B
4 1001-10	20 2002-3A	34 78 1001.11A	48 49 1001 - 184
5 1001 · 1E	21 2002 - 44	35 34 2001 115	49 50 1001 - 188
6 1001-1F	22 2002 · 4B	36 37 Jons - 11 - 13	5157 1001 - 192
7 1001.16	23 2002 - 5A	37 38 1002 - 124	52 53 1001 004
8 BOOD IH	24 2002 - 58	38 39 2002-1213	5354 1001-208
9 Bosi-1I	25 2002-6A	39 40 2002 - 134	54 55 1002-200
10 2001-2A	26 2002-63	40 AT 2002 -13B	55561001-214
1 2002-28	27 2002 JA	41 48 2002 -14A	56 57 Boor - 28A
12 1001-20	78 2007-JB	12 43 2002 - 140	57 58 8001 - 23A
13 1001-20	29 200: -84	13 11 2001 - 13A	58 59 BOOL- 24A
14 1001-26	NOTD 9001 - 83	44-45 2001 -15R	5960 BODI- 24B
13 1001 24	30 200 - MA	7346 2001 IGA	6061 BOD1-25A
	01 40001 418	TOTI 2001-108	VOLD BODI-JSB
	ho M	117	6265 BOD - 26B
Relinquished By	MB	Date:	1/28/10455
Carrier:		Number of Samples:	66
Received By:	tt Smith	Date:	1/28/10
Fax Results To:		Tech. Contact/Pager #:	
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SAMPLE.					
NUMBER	SAMPLE LOCATION	MATERIAL	AMOUNT	CONDITION	NOTES
2001-14	Ceiling	Wh te Top Cont Plaster		Bmaged	2
3002-13	tuly!!	White Top Cont		-	
1001-100	MAII	Wh Ke Top Coal			
1001-1001	IIBM	White Top Coart			
1001 - 16	MAIN	White Top Cout			
1-1001	we ceilins	White Top Coat			
1001 - 16	Ceilins	White Top (sect			
H 1-10000	Lvall	When top cost			
Baul-1J	Ceiling	White Top Cont			
2001-0A	Ceiling	Rownish Gray Roush Cont Plaster		>	
	ر ا				



Job #: 4215-55 Job Name: Pulaski Library Date: Name: MTS/MW

# **ASBESTOS BULK SAMPLE LOG**

SAMPLE					
NUMBER	SAMPLE LOCATION	<b>MATERIAL</b> <b>TYPE</b>	AMOUNT	CONDITION	NOTES
2002-20	(Val)	Rownish Gray Rover Cart Richon		Dameer	
)		minu and and		141	
1001-20	() (s) (h)	Brown sh brey			
		Reverb Cont Planter			
1001-20	Mall	Rout Cret Place			
Des 1 Des	1 × / × 1	Brownsh Grey			
1001-25	1 1 5 1	Reven cart plaster			
1001 - 20	( a. ] ac	Brownsh Grey			
5	Cirian	Kough Coat Plaster			
1001-26	Ce. I'm <	Rownsh Grey			
		10002h Lorit Marser			
RC-1008	LV 411	promise trey			
2		Kough Cost Plagter			
BODI-JI	(coilt Ce, 1, - c	Brownish brey			
		KOUGH Want Plaster			
2002-2 A	CP LAL	Brown F. berbenned			about lough locat
たつ	Cuton	C			
2000-3B	Cellin	Rows Florboard			>



Job #: 4215-55 Job Name: Pulaski Library Date: Name: MTS/MW

# **ASBESTOS BULK SAMPLE LOG**

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL	AMOUNT	CONDITION	NOTES
44 - 200E	Cerlins	Pine Insulation		Ormesed	above Qrown Fiberbonel
24-coor	Certins	P. & Insulation		~	
A3 -was	WAII	Brown Clamic Tile		6000	
2002-513	Wall	Rown Tile		-	
2002-6A	Wall	Gran Grant			
2002-613	$W_{ell}$	Greg Grout			
2002-7A	Wall	Grey Mudset			
2002-78	Wa 1]	Grey Mudset		2	
3001-84	Wall	Block Renel Give		Good	on Walls
2001-88	Wa//	Alack Penel Give		>	and Crizal O Mand in



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CI TUTA S					
NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
2001-9A	(Na.1)	Ton Penel Glue		06	on woll & nock of Penple on floor
2001-9B	LL/cn 1 /	tan Ranel Glut		04	X
401- EUOL	Closet Floor	Greg wisheaks 10212 Flose Tile		Com-sed	
2003 -1013	Cleset Abbor	Grey W/Strecks 12×12 F100-Tile		X	
1001-1101	Floor	RINCK FT Mershic		04	under Walay
1001-118	Floor	BL-CK FY Mestic		7	1
A-11-5002	Floor	Grey Reper Undertality		DK	Revolumly under
2013-116-B	Floor	Grey Paper Under METM		0K	
2002 - 12A	Rethroom	Floor Tile		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	154rd nd Floor
ୡ୦୦୬ - ୧୯୫	Rathroom Floof	Tar Cersmic Tilp		Good (	64.30
				202	*

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	NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
	2002- 114	Rithroom Floor	Grey Grout		Cood	134 2 M Plon & Hes
	2007-133	Rathroom floor	Gry Grovt			
	2,002-11A	Rethroom Floor	Okting miduct			
	2002-1413	B-throom Floor	DK Greg Mudset			
	2001-15A	Brue boerds	Core Brse		2	John Monte Come
	2001 - 15kg		Corp Pr SC			V 1607
	2001-160		TRN COVE Base Marrie			2 nd Floor
	2001-168		Ton Coll Base Mustic			
	ACI-1001	Floors	RX/B County		Ok	>
Por	1001-1713	Floors	laxia Brownish ET		$\rightarrow$	

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SAMPLE					
NUMBER	SAMPLE LOCATION	MATERIAL TYPE	AMOUNT	CONDITION	NOTES
1001-18A	Floor	Ten corpetmesta		Damsged	entite Main flabs
1001-188	Floor	ton Carple Mestic		~	
100-194	Cove Base	RINCK COVE RAVE Maste		0 2	Entrestation and
1001-194	Cove Base	>		0 17	7
407-100	(ling / well	Decreture White Poloster		Damesel	On Opens and Corners of Wall Celi-5 3
100-1001		Decrative While plaster			
1002-200	$\rightarrow$	Decretice white		>	
1001-214	Arcord Redictor	Air Ceil Insuktion		0 K	
B001-224	ad Bacenest	P. petrovation Lesaths		Domesed	
8001-J3A	Basement	P. petusiation			



Job #: 4215-55 Job Name: Pulaski Library Date: Name: MTS/MW

# **ASBESTOS BULK SAMPLE LOG**

SAMPLE		MATERIAL			
NUMBER	SAMPLE LUCATION	TYPE	AMOUNT	CONDITION	NOTES
ROU - WA	Wholew Agreement	Corpy Window		0 X0	
ROUI-24B	Windby Reservent	N			
R001 . 35A	Orgenert	9+9 Cory ET		20	
8001-25B	Acsement	Graf Gray F. T.			
8001-26A	Basement	RHCK FITATING			Under Mx92
R001-26B	Bssenent	BACK FINT UNDER			
				5	>

				BUL	K	SAMPLI	EA	SBESTO	5	
	LABELLA AS ANALYTICA 300 STATE ROCHESTE (585) 454-61	SSOCIATES, I L LABORATO STREET R, NY 14614 10 FAX(585)	P. ( RY 454	2. 4-3066		RE( FEI		EPORT IVED 9 2010		LBL JOB # 11810 ELAP # 11184
	ar an a succe a second second and a second		deepe maaaaa mura			LU E	<b>VG</b>	INEERS		TEM ELAP # 10920
	CLIENT	Iosoph C. I.v. T	·:			DC		CLIENT PRO	DJEC	T # 4215-55
118	ADDRESS	2230 Penfield 1	ngi Doo		ur	v., PC	r 7	SAMPI	LE T	YPE: PLM Bulk
		Penfield NV 1	145'	1022		E. Constant and a second				
	đ	Atta: Sugar II	145. 14-	20-1922		and the structure of the same state of the same structure of the same	-0	SAMPL	E DA	ATE: 02/09/2010
_	8	Dulaski l	[[[0]	n 	201	50)				
P	ROJECT LOCA	TION: TUTASKI	2 DI		28:	DZ)			200.0000.0000.000	an and the and the fight of a second state of the second state and an an appropriate state of a second state of the second state o
	FIELD ID	LBL ID	meth	ASBESTOS	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
	EXT-27A	11810-1	P	ND		ND		MINERAL	100	GRAY MORTAR
	EXT-27B	11810-2	Р	ND		ND		MINERAL	100	GRAY MORTAR
	EXT-28A	11810-3	P	ND		ND		MINERAL	100	GRAY PARGE COAT
	EXT-28B	11810-4	Р	ND		ND		MINERAL	100	GRAY PARGE COAT
	EXT-29A	11810-5	P	ND		ND		MINERAL	100	GRAY ROUGH COAT
	EXT-29B	11810-6	Р	ND		ND		MINERAL	100	GRAY ROUGH COAT
	EXT-30A	11810-7	T	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
	EXT-30B	11810-8	Т	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
	EXT-31A	11810-9	Т	ND		ND		MIN/BINDER	100	GRAYBRITTLE CAULK
	EXT-31B	11810-10	Т	ND		ND		MIN/BINDER	100	GRAYBRITTLE CAULK
	EXT-32A	11810-11	T	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
	EXT-32B	11810-12	Т	ND		ND		MIN/BINDER	100	GRAY DOOR CAULK
l	EXT-33A	11810-13	T	ND		CELL/GLASS	50	TAR	50	BLACK ROOF SHINGLE
	EXT-33B	11810-14	T	ND		CELL/GLASS	50	TAR	50	BLACK ROOF SHINGLE
	EXT-34A	11810-15	G	ND		CELLULOSE	62	TAR	38	BLACK TAR PAPER
	EXT-34B	11810-16	G	ND		CELLULOSE	62	TAR	38	BLACK TAR PAPER
	EXT-35A	11810-17	T	ND		CELLULOSE	40	TAR	60	BLACK ROOFING
	EXT-35B	11810-18	Т	ND	_	CELLULOSE	40	TAR	60	BLACK ROOFING
5	EXT-36A	11810-19	G	ND		ND		TAR	100	BLACK TAR
MA)	EXT-36B	11810-20	G	ND	-	ND		TAR	100	BLACK TAR
100	EXT-37A	11810-21	T	ND		ND		MIN/BINDER	100	GRAY WINDOW CAULK
	EXT-37B	11810-22	Τ	ND	1	ND		MIN/BINDER	100	GRAY WINDOW CAULK
r livi iv	iemoa EPA 600/	M4/82/020	La	b Supervisor	r:	Matt	5	Smith		- Date: 2/12/10

ND - None Detected CELL-Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1 = Trace PLAS - Plaster P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result

G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing.

Page 1 of 2

LBL JOB # 11810

FIELD ID	LBL ID	metho	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
60 - EXT-38A	11810-23	P	ND		CELLULOSE	5	MINERAL	95	WHITE DRYWALL
001 - EXT-38B	11810-24	P	ND		CELLULOSE	5	MINERAL	95	WHITE DRYWALL
000 - EXT-39A	11810-25	Р	ND		ND		MINERAL	100	WHITE IOINT COMPOUND
3001- EXT-39B	11810-26	P	ND		ND		MINERAL.	100	WHITE JOINT COMPOUND
3001 EXT-40A	11810-27	Р	ND		CELLULOSE	60	MINERAL	40	WHITE TARE
3001 - EXT-40B	11810-28	Р	ND		CELLULOSE	60	MINERAL	40	WHITE TAPE
		4							
		1							anna a se a seastanna a tha anna an anna a seastanna a seastanna a seastanna a seastanna a seastanna a seastan
				1					
1 Method EPA 600/M4/82/	020 L	.ab	Supervisor	4	Matt		Imith	,	Date: 2/12/10
- None Detected CELL-( P - Friable PLM analyti	Cellulose JC cal result N	- Jo - NC	int Compound	l	MIN - Mine	ral	GLASS - Fibe	rglas	<1 = Trace PLAS - Plast

\*"Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered and treated as non-asbestos containing."

Page 2 of 2



# **CHAIN OF CUSTODY**

LaBella Associates, P.C. Analytical Laboratory 300 State Street	Client: Lu Engine	PO#: 222852	LBL Job	# 11810
Rochester, NY 14614	Site Address:		Flojeci #	4213-33
S85.454.6110         Fax 585.454.30           Pre-Abatement:	<b>166</b> She Address:	1151 Hudson	<u>×</u>	
Work in Progress:	Site Description:	Pulaski Library		
Finals:	Sample Technician:	MTS / MW MC		
Observations/Comments				
Field Data Sheet Supplied With	Samples: Yes / No	Date Sampled:	2/9/	2610
Sight D LAGIN	bers: Bulk	Asbestos:	Othe	er:
Labid# Field 10#	bab HR# Field IDt#	Lab ID # Fiel	d ID #	Lab ID # Field ID #
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{xt - 35A}{xt - 35A} = \frac{18}{18} - \frac{17}{18}$ $\frac{xt - 35A}{xt - 36A} = \frac{18}{19}$ $\frac{xt - 36A}{xt - 36D} = \frac{36}{20}$ $\frac{36A}{23} = \frac{32}{22}$ $\frac{301 - 37A}{23} = \frac{31}{24}$ $\frac{301 - 37B}{201 - 37B} = \frac{26}{26}$ $\frac{301 - 40A}{28} = \frac{27}{28}$			
Relinquished By Carrier: Received By:	att Smith	Date: Number of Sam Date:	ples:	2111/09 830 32 2/11/10
Fax Results To:		Tech. Contact/Pa	ager #:	

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SAMPLE	SAMPLE LOCATION	MATERIAL	סאיז היה דוועיט		
NUMBER	DAMILLE LOCATION	TYPE	AMOUNT	CONDITION	NOTES
Et - 27A	Exterior	Brocher Setween Serilations hiscles			
Ext - JJB	Exterior	Mortar between			
Ext - 28A	Extense	ling Arge Cont			
(Ext-2813	Exterior	Grey Pinge Cont			
Ext-JgA	Exterior	Exterior Rough Cost			Behad Para
Ext ang	Exterior	Exterior Roghad			
Ext-Jua	Exterior	Grey Shelpoor			>
Ext - 308	Exterior	Every Sticky Door			
Ex+-31A	Exterior	Grey Brittle			
Ext - 313	Exterior	Gray Bittle			
		7/1/57			



Job #: 4215-55 Job Name: Pulaski Library Date: 3/4//0 Name: MTS/MW

# **ASBESTOS BULK SAMPLE LOG**

SAMPLE		MATEDIAL			
NUMBER	SAMPLE LOCATION	TYPE	AMOUNT	CONDITION	NOTES
Eut-Jan	How Exterior	the of bong los with			
Ext-338	EXPERIOL	>			
Ext - JUA	Roof	Rotton Liter			
Ext - 3313	Roof				
Ext -34A	Roof	Tar Priper			
Ext-34B	Roof	1			
Ext -35A	Roof	To purger			
Ext -35B	Roof				
Ex+-36A	Roof	"407/ Joc no 121			
Ext-368	Roof				



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	ITON										
	CONDITION									•	
DOT TT IMPO	AMOUNT										
	MATERIAL TYPE	Windon Carlk	2	Ory (14,1)	Ory Wall	to the second	Birt Company	tapp and	Tape		
	SAMPLE LOCATION	Interior Windows		Basement	Billment	Besement	Basement	Brsoment	Basembut		
SAMPLE	NUMBER	ACE - 1301	1001- 37B	8001 - 38A	မိသ၊ -	Baurson	BOOF JAB	BOOI - 40A	Rov = 408		





179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

## PLM & TEM BULK ASBESTOS REPORT

Client:Lu EngineersLocation:Pulaski Library - Update

Job No: 5621-12 Page: 1 of 2

1151 Hudson Avenue, Rochester

**Sample Date:** 6/5/2012

	1		1	DI M Ashashas	DIN	1.1				
				Fibers Trees	PLM	N	TEM Asbestos	TEM	PLM	PLM
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	lotal	0	Fibers Type &	Total	Non-Asbestos	Matrix
				Percentage	Asbestos	B	Percentage	Asbestos	Fibers Type &	Material
	1 20 102								Percentage	%
41-A	38493	Above 2nd Floor Roof	Black Fibrous Roof	Chrysotile 17%	17%		Not Required	N/A	None Detected	83%
	1		lar			V				
41-B	38494	Above 2nd Floor Roof	Black Roof Tar	STOP	POSITIVE	1	SAMPLE	NOT	ANALYZED	N/A
	[		1		Ì	V				,
						1				
42-A	38495	2nd Floor Roof Vent	Black/Silver	Chrysotile 16%	16%	+	Not Required	N/A	None Detected	Q404
			Fibrous Roof	-		1.1		,	None Deletted	0170
			Cement							
42-B	38496	2nd Floor Roof Curb	Black/Silver Roof	STOP	POSITIVE	+	SAMPLE	NOT	ANAL VZED	NI /A
		~	Cement			1.1	Grand DD	NOT	ANALIZED	N/A
43-A	38497	Flat Roof-Main Building	Black Fibrous Shiny	Inconclusive	004	+	None Detected			
			Roof Tar	No Ashestos	070		None Detected	<1.0%	Fiberglass 5%	90%
				Detected		V			Synthetic 5%	
43.R	38498	Flat Roof-Main Building	Black Fibroug Shine	Internalization	00/					
45 10		a not noor main banding	Boof Tar	No Ashestos	0%		None Detected	<1.0%	Fiberglass 5%	90%
				Detected		V			Synthetic 5%	
44.4	20400	Flat Doof Main Duilden		Denetau						
44-A	30477	riat Kool-Main Building	Black I ar Paper	None Detected	0%		<1.0% Residue	N/A	Synthetic 1%	99%
						$ \mathbf{V} $	Remaining, TEM	1		
	00700						Not Required			
44-B	38200	Flat Roof-Main Building	Black Tar Paper	None Detected	0%		<1.0% Residue	N/A	Synthetic 1%	99%
						V	Remaining. TEM			
							Not Required			
45-A	38501	1st Floor Bathroom	Brown Fibrous	Chrysotile 67%	67%		Not Required	N/A	None Detected	33%
			Duct Tape						l	5576
			Ì					1		
45-B	38502	1st Floor Bathroom	Brown Duct Tape	STOP	POSITIVE		SAMPLE	NOT	ANAL VZED	N/A
				l					111001000	M/A
1	- 1								ľ	
								1		

### NVLAS

Lab Code 200530-0

ELAP ID No.: 10958

Mary Dohr

for PLM Analysis

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

 $\sqrt{$  NOB (non-friable organically bound) Classified for Analytical Purposes Only.

# denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically

bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this

material can be considered or treated as non-asbestos containing.

PLM Date Analyzed: 6/6/2012

Microscope: Olympus BH-2 #233173 Analyst: F. Weinman TEM Date Analyzed: 6/7/2012 TEM Analyst: F. Weinman

Laboratory Results Approved By:

Asbestos Technical Director

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

			5621-13
Bulk Sam	ple Chain of Custody		
			10f2 COC
rroject Name:	Pulaski Library - Update	Lu Project # 4215-55	
Site Address:	1151 Hudson Avenue, Rochester, N	Y Laboratory Name: Paradigm Enviro	nmental Services
Results to:	Sample Type	Laboratory Address: 179 Lake Avenu	le VV-1-
Lu Engineers 175 Sullys Trail, S Pittsford, NY 1453	uite 202 ELM Only 4 Carter Del Monly	EM Turn Around Time Comments: Immediate 12 HR	IOLK
Email: <u>msmith@luen</u>	eineers.com, sue-hilton@luengineers.com	24 HR         48 HR           X         72 HR         5 Day	TVE
			K
FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
41-A	APOVEZND FLOOR ROOF	BLACK ROOF THR.	on curry rue 38 493
41-B	=		+pti
4J-A	ZNDFLODE ROOF VENT	BLACK ROOF CEMENT	WISHUER PAINT 495
42-8	2NO FLOOR ROOF CUEB	-	964
43-8	FLAT ROOF - MAIN BUILDING	BLACK SHINN ROOF TAR	34"THICK BUE 497
43-8			Spy wood Deck 1998
44-8		BLACK TAP PAPER	X locit
4-8	->	-	X YVY
46-A	155 FLANT BATTHREOM	BROWN DUCT TAPE	19
45-B	0	- 1	de PS
Date Sample.	d: 652012	Relinquished By WW L	Date/Time < 5 17 @ 35
Inspector:	the con	Received By Jone Jalou	Date/Time 4/5/12 1 35 PM
	175 Sullys Trail, Suite 202, Pittsford, NY 1-	4534   Ph 585.385.7417   Pax 585.385.3741   luengineers	scom KS (alslic



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# PLM & TEM BULK ASBESTOS REPORT

		4	LIVI OC I LI	I DULINAS	DLJIU	<u></u>	<u>NEFUNI</u>			
Client:		<u>Lu Engineers</u>						Job No:	5622-12	
Location	:	Pulaski Library - I	Jpdate					Page:	1 of 2	
		1151 Hudson Ave	nue, Rochester					0		
Sample I	Date:	6/5/2012								
	1	1		PLM Asbestos	PLM	ĪN	TEM Asbestos	TEM	PLM	I PIM
Client (D	Lahin	Compling Logation	Description	Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Chentin	Labib	Sampling Location	Description	Percentage	Asbestos	B	Percentage	Asbestos	Fibers Type &	Materia
	1.00500								Percentage	%
46-A	38503	Boiler Room	Gray Flue Cement	None Detected	0%		Not Required	N/A	Fiberglass 1%	99%
			1							
46-B	38504	Boiler Room	Grav Flue Cement	None Detected	0%	╋──	Not Required	N/4	None Detected	100%
							nornequired		Hone Detected	10070
										1
47-A	38505	B008	Black Flooring	inconclusive	0%		None Detected	<1.0%	None Detected	100%
				No Asbestos Detected		V				
47-D	38506	B008 Stairs	Black Flooring	Inconclusive	00/	ļ	New Datasta			
47.0	00000	2000 312113	DIACK FIGOLIUS	No Asbestos	0%0		None Detected	<1.0%	None Detected	100%
				Detected		ľ				
48-A	38507	Room 1001	Brown Linoleum	Inconclusive	0%		None Detected	<1.0%	None Detected	100%
				No Asbestos		V				
L	20500	D		Detected						
48-B	38508	K00m 1001	Brown Linoleum	Inconclusive No Ashestos	0%		None Detected	<1.0%	None Detected	100%
				Detected		V				
										<u> </u>
							-11			
										ļ

### NVLAD

Lab Code 200530-0

for PLM Analysis

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1,198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

 $\sqrt{NOB}$  (non-friable organically bound) Classified for Analytical Purposes Only.

# denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. <u>Quantitative transmission electron microscopy</u> is currently the only method that can be used to determine if this

material can be considered or treated as non-asbestos containing.

PLM Date Analyzed: 6/6/2012

 Microscope:
 Olympus BH-2 #233173

 Analyst:
 F. Weinman

TEM Date Analyzed: 6/7/2012 TEM Analyst: F. Weinman

ELAP ID No.: 10958

Laboratory Results Approved By: \_\_\_\_\_\_ Asbestos Technical Director

Asbestos Technical Director Mary Dohr Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and taboratory and analysts' and precision) is available upon request.

				C1-CC72
Bulk Sam	ple Chain o	of Custody		
Project Name:	Pulaski I	Library - Update	Lu Project # ロ2I らんく	HACOC MAN
Site Address:	1151 Hudson A	Avenue, Rochester, NY	Laboratory Name: Paradigm Enviro	umental Services
Results to:		Sample Type	Laboratory Address: 179 Lake Avenu Rochester, New	le York
Lu Lugueers 175 Sullys Trail, S Pittsford, NY 145:	Suite 202	D PLM Only TEM Only	Turn Around Time Comments:	
Email: <u>msmith@luen</u>	gineers.com, sue-hilton@	luengineers.com	U         24 HR         U         48 HR           X         72 HR         D         5 Day         STOP POSIT	IVE
FIELD ID	SAMPLE I	LOCATION	MATERIAL	NOTES
404	Boiler Room	3	REY FLUE CEMENT	38503
40-8	1		5	Soy
ダートナ	Boog	£	UPLE FLOORING	SOS
41-B	BOOB STALRS	~		200
+824-48-A	Room 1001	649	ROWN LUNDLEUM	ON COUNTED SO7
48 A 8 B	Recutocol		9	205
Date Sample	d:		Relinquished By WWW .	Date/Time35
Inspector:			Received By Mic Marce	Date/Time 6/5/12 / 35/M
	175 Sullys Trail. Su	ite 202, Pittsford. NY 14534	Ph 585.385 7417   F4x 585.385.3741   luengineers	com GISID



# Analytical Report Cover Page

# <u>Lu Engineers</u>

For Lab Project # 10-0658 Issued February 16, 2010 This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

# LAB REPORT FOR PAINT ANALYSIS

Client:	Lu Engineers	£.	Lab Project No.:	10-0658
Client Job Site:	Pulaski Library			
Client Job No.:	4215-55		Sample Type: Method:	Paint SW846 6010
			Date Sampled: Date Received: Date Analyzed:	01/21/2010 02/11/2010 02/15/2010

Lab Sample No.	Field ID No.	Field Location	Lead Result (mg/Kg)	Lead (% By Wt.)
3000	N/A	LBP-2001-1A	218	0.022
3001	N/A	LBP-2003-2A	1780 D,M	0.178
3002	N/A	LBP-1001-3A	206	0.021
3003	N/A	LBP-1001-4A	6330	0.633
3004	N/A	LBP-B001-5A	67.7	0.007
3005	N/A	LBP-B001-6A	379	0.038
3006	N/A	LBP-B001-7A	452	0.045

ELAP ID No.:10958

Comments: Paint is considered lead based If the concentration of lead is equal or greater than 0.5% by weight.

**Approved By:** 

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

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ゆら名 T# CLENT PROJECT # 55- 413、15-555 DTIME: (WORKING DAYS)		PARADICHILAB SAMPLE NUMBER			1000		5003	3007	2005 2000 2000	9 0 0						otal Cost:		1.6
10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	377-1266	ALVSIS REMARKS													1/21/10	Date/Time Date/Time	Date/Time 21/1/10 8:13	Date/Hime 2/11/10 1/20
CHAIN OF CUSTODY COMMANY LUENAN OFFE	PHONE: 377-1450 FAXE														when the my	Math	and day	Lett a Honch &
Lu Encineers 2330 Penfield Rd Penfield Ry 145a6	177-1450 377-1966 Inste Stein	SAMPLE LOCATIONPFIELD ID	LBP-2001-1A P	L60-2003-2A A	LGP-1001-3A PI	LBP-1001-4A PI	LBP-B001-5A PI	LBP-B001-6A P.	LBP- BOOI - 7A PI					42/2442/244 VELAC Compliance		Sampled By		
COMPANY: COMPANY: ADDRESS: CITY: PHONE:	ATTN: COMMENT			7	7	2	7	7	7				THIS LU	7/167/017		01A		C-N/9
DIGM IMENTAL S, INC.	bracy		1300	13 00	1300	1400	08#/	1430	1430				: Per NEI AC/FI A	pt Parameter	Container Type:	Preservation:	Holding Time:	Temperature:
PARA ENVIRON SERVICE 179 Lake Avenue Rochester, NY 14 (588) 647-2530 • FAX: (588) 647-33	PROJECT NAMESTIE Puloski (	DATE	01/10/1 +	2 1/al/10	3 1/13/10	4 1/21/10	91/1P/1 9	6 1/a/10	2 1/21/10	8	6	10	Sample Condition	Recei	commentia:	comments:	omments:	amments:



# Analytical Report Cover Page

# <u>Lu Engineers</u>

## For Lab Project # 10-0657 Issued February 18, 2010 This report contains a total of 7 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



## PCB Analysis Report for Solls/Solids/Sludges

### Client: Lu Engineers

Client Job Site:	Pulaski Library	Lab Project Number: Lab Sample Number:	10-0657 2995
Cllent Job Number:	4215-55	-	
Field Location:	PCB-24	Date Sampled:	02/09/2010
Field ID Number:	N/A	Date Received:	02/11/2010
Sample Type:	Solid	Date Analyzed:	02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 14.7
Arocior 1221	ND< 14.7
Arocior 1232	ND< 14.7
Aroclor 1242	ND< 14.7
Arocior 1248	ND< 14.7
Aroclor 1254	ND< 14.7
Aroclor 1260	ND< 14.7

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

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### PCB Analysis Report for Solls/Solids/Sludges

### Client: Lu Engineers

(

Client	Job	Site:	
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Client Job Number:4215-55Field Location:PCB-30Field ID Number:N/ASample Type:Solid

Pulaski Library

 Lab Project Number:
 10-0657

 Lab Sample Number:
 2996

 Date Sampled:
 02/09/2010

 Date Received:
 02/11/2010

 Date Analyzed:
 02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 13.6
Aroclor 1221	ND< 13.6
Aroclor 1232	ND< 13.6
Aroclor 1242	ND< 13.6
Aroclor 1248	ND< 13.6
Aroclor 1254	ND< 13.6
Arocior 1260	ND< 13.6
	22

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

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### PCB Analysis Report for Soils/Solids/Sludges

### Client: Lu Engineers

Cilent Job Site:	Pulaski Library	Lab Project Number: Lab Sample Number:	10-0657 2997
Client Job Number:	4215-55	-	
Field Location:	PCB-31	Date Sampled:	02/09/2010
Field ID Number:	N/A	Date Received:	02/11/2010
Sample Type:	Solid	Date Analyzed:	02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 14.7
Aroclor 1221	ND< 14.7
Aroclor 1232	ND< 14.7
Arocior 1242	ND< 14.7
Aroclor 1248	ND< 14.7
Aroclor 1254	52.1
Arocior 1260	ND< 14.7

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect mg / Kg = milligram per Kilogram

hnical Director

Bruce Hoogesteger:

Signature:

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ENVIRONMENTAL SERVICES. INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

### PCB Analysis Report for Soils/Solids/Sludges

### Client: Lu Englneers

**Client Job Site:** 

**Client Job Number:** Field Location: Field ID Number: N/A Sample Type: Solid

4215-55 PCB-32

**Pulaski Library** 

Lab Project Number: 10-0657 Lab Sample Number: 2998 **Date Sampled:** 02/09/2010 **Date Received:** 02/11/2010 Date Analyzed: 02/17/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 13.0
Aroclor 1221	ND< 13.0
Aroclor 1232	ND< 13.0
Arocior 1242	ND< 13.0
Aroclor 1248	ND< 13.0
Arocior 1254	ND< 13.0
Aroclor 1260	ND< 13.0

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect mg / Kg = milligram per Kliogram

Signature:

Bruce Hoogesteger, Technical Director

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179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

# PCB Analysis Report for Soils/Solids/Sludges

### Client: Lu Engineers

**Client Job Site:** 

Pulaski Library

Client Job Number: 4215-55 Field Location: PCB-37 Field ID Number: N/A Sample Type: Solid

Lab Project Number: Lab Sampie Number:	10-0657 2999
Date Sampled:	02/09/2010
Date Received:	02/11/2010
Date Analyzed:	02/17/2010

NU< 14.4
ND< 14.4

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect mg / Kg = milligram per Kilogram

Bruce Hoogesteger: Technical Director

Signature:

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**PARADIGM** ENVIRONMENTAL

## **CHAIN OF CUSTODY**

## ATTACHMENT D

Asbestos Inspection Summary Tables, Asbestos/PCB/Mold Location Plans,

UPDATE PRE-RENOVATION ASBESTOS SURVEY AND LIMITED HAZARDOUS MATERIALS ASSESSMENT REPORT

PULASKI LIBRARY

Asbestos Inspection Summary Table City of Rochester Pulaski Library Rochester, New York

<u>Homogeneous Area Description</u> Black Panel Adhesive	<u>Homogeneous</u> <u>Area ID No.</u> 8	Room ID No. & Location 2001 Office	<u>Tested or</u> <u>Assumed</u> Tested	ACM (Y/N) Total	Approx. Quantity 75 SF 75 SF
Grey Speckeled 12"x12" Floor Tile	10	2003 Hallway 1003 Passage 1004 Passage 1004B Closet	Tested	≺ Total	10 SF 24 SF 24 SF <b>68 SF</b>
Brownish Red 12"x12" Floor Tile	11	1001 Main Room 1002 Back Foyer	Tested	Y Total	5500 SF 290 SF <b>5790 SF</b>
Corrugated Insulation on Radiators	21	1001 Main Room	Tested	≺ Total	475 SF <b>475 SF</b>
Pipe Insulation / Pipe Fittings	22 / 23	B001 Main Room B002 Basement Room B004 Large Closet B005 Large Closet B006 Boiler Room B006 Room off Stairs B008 Room off Stairs	Tested	Y ≺	500 LF 75 LF 75 LF 75 LF 75 LF 85 LF 86 LF 60 LF <b>840 LF</b>
Grey 9"x9" Floor Tile	25	B002 Basement Room B003 Stairway Hall	Tested	Y Total	760 SF 100 SF <b>860 SF</b>
3lack Roof Tar	41	Main Roof - Clay Tile Parapet	Tested	≺ Total	91 SF <b>91 SF</b>

## Asbestos Inspection Summary Table City of Rochester Pulaski Library Rochester, New York

	Homogeneous		Tested or	ACM	Approx.
Homogeneous Area Description	<u>Area ID No.</u>	Room ID No. & Location	Assumed	(V/N)	Quantity
Black/Silver Roof Cement	42	Main Roof - Penetrations & Curb Patches	Tested	Y Total	35 SF <b>35 SF</b>
Brown Duct Tape	45	1003A Utility Chase 1004A Utility Chase	Tested	 Total	10 LF 20 LF





사망가 가지 않는 것 같아요. 것 같아요. 것 같아요. 것

