

### **Appendix 1**

**Asbestos Survey Report** 



#### Asbestos Materials Survey

Location:

Former Photech Facility 1000 Driving Park Avenue Rochester, New York

Prepared for:

City of Rochester Division of Environmental Quality City Hall Room 300B, 30 Church Street Rochester, New York 14614-1290

LaBella Project No. 209288.03

November 2009

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#### **Table of Contents**

		Page
I.	Project Summary	1
II.	Document Review	1
III.	Survey Procedures	2
IV.	Asbestos Survey Results	3
Bulk	Sample Summary Tables	
Appe	ndix A – Asbestos Survey Fact Sheet	
Appe	ndix B – Site Plan/Building Identification	
Appe	endix C – Licenses and Certifications	
Appe	endix D – Laboratory Analyses Reports	
Anne	andix F – Reports By Others	

#### I. Project Summary & Site Description

LaBella Associates, P.C. conducted an asbestos materials survey of the former Photech Facility located at 1000 Driving Park Avenue in the City of Rochester, New York. Although this survey was conducted in a manner consistent with recognized professional practices, the level of investigation/testing conducted by LaBella Associates was limited to efforts sufficient to supplement previous reports in order to satisfy the requirements of recently updated New York State regulations for a pre-demolition survey.

The Site is located at 1000 Driving Park Avenue in the City of Rochester, New York and it is comprised of 12.5 acres of land that include various building, sewer and utility improvements. A total of 15 buildings comprising approximately 108,000 square feet of space are currently on the Site. The facility consists of numerous buildings with reported construction dates ranging from circa 1948 to as recent as the early 1980's. Building construction for the facility varies, i.e. one-story brick buildings with full basements, two-story production areas and multi-story offices and laboratories. These buildings formerly housed various manufacturing, laboratory, office, and warehouse operations. A series of below ground tunnels connect several buildings. The buildings on the Site are currently vacant and in a state of disrepair. Refer to Appendix B for the Site Plan.

The Site is currently bound by: Driving Park Avenue to the south; Holleder Industrial Park to the north; Rochester Distribution Unlimited, Inc. to the east; and Electronic Media Solutions, Inc. to the west. Directly to the south of Driving Park Avenue is the Delphi manufacturing facility. The Site is approximately 1000 feet east of Mt. Read Boulevard and 2 miles east of Interstate Route 390.

The Site was originally developed in 1948 for the purpose of manufacturing photographic film and paper. It continued to be used for the manufacturing of various types of film up until 1991. Several different companies have owned and operated the facility at the Site for photographic paper and film production since its construction in 1948. The most recent owner, Photech Imaging Systems, Inc., ceased operations and abandoned the facility in 1991. Large amounts of chemicals, wastes, and various supplies and materials were left "as-is" on-site when the facility was abandoned. Since closure, the buildings have been vandalized, with ceilings, walls, piping and equipment severely damaged. As a result, asbestos and chemical residues are suspected to be present in many interior areas of the buildings. In addition, available historical information shows evidence of impacts to the subsurface from past Site operations.

The buildings are generally composed of concrete, brick and steel construction, with a few small shed structures constructed of wood and/or metal sheeting. When in operation, the facility was serviced by electric, natural gas, and public sewer utilities. A full-scale fire suppression system is also present at the site. With the exception of the sewer drainage system, the utilities are currently disconnected from service. Exterior to the buildings at the Site, the property has a mix of grassy and asphalt covered areas.

#### **II.** Document Review

To help facilitate the completion of the Asbestos Pre-Demolition Survey LaBella reviewed all available reports previously completed for the Site. Relevant information from the historical documents has been included in the findings of this report. Reports reviewed by LaBella include;

Brownfield Restoration Group - Asbestos Survey at the Photech Imaging Systems (April-June 1999):

BRG subcontracted Paradigm Environmental Services, Inc. (Paradigm) to conduct sampling for ACMs. Asbestos sampling was conducted in two phases (i.e., Phase I and Phase II asbestos sampling). Phase I asbestos sampling included environmental air sampling and wipe sampling for ACMs present on building walls, floors, and equipment to determine and establish the appropriate regulated areas within the buildings. Also as part of the Phase I asbestos sampling, Paradigm collected wipe samples inside the buildings from walls, floors, equipment, and other surfaces.

The Phase II asbestos sampling (i.e., facility wide asbestos survey) was conducted between April and June 1999. The asbestos survey was conducted to determine the location and quantity of ACMs present in the facility buildings. Initially, Paradigm observed and documented the materials used in building construction, including: floors, walls, ceilings, surfacing materials, thermal insulation systems, roofing materials, etc. in order to determine the appropriate sampling necessary. Two hundred and twelve (212) SACM samples were subsequently collected during the Paradigm asbestos survey. The samples were generally collected in accordance with procedures and guidelines commonly used and accepted in New York State. The SACM samples were initially analyzed for asbestos using PLM NIOSH Method 9002. Based on the PLM test results, 65 of the SACM samples were identified as NOB materials and therefore the results were considered inconclusive (i.e., PLM analysis is not consistently reliable in detecting asbestos in NOB materials). NOB materials are typically roofing materials, floor tiles, mastics, vinyl, etc. As such, 44 of the 65 samples identified as NOB materials were analyzed for asbestos using TEM analysis using NYSDOH ELAP Method 198.1 and 198.4. The other 21 NOB samples were identified as Presumed-ACMs (PACMs) since these samples represented small volumes of material and sampling did not appear cost effective.

#### Paradigm Environmental Services - Miscellaneous Asbestos Sampling:

Paradigm Environmental Services completed some miscellaneous sampling activities for the City of Rochester during the course of the Site Investigation/Remedial Alternatives phase of the project. Much of the data was collected in 2008. The information and data provided was reviewed by LaBella and incorporated into the asbestos pre-demolition survey and as appropriate.

Refer to Section IV for asbestos containing materials identified in these historical reports. See Appendix E for copies of Brownfield Restoration Group and Paradigm Environmental Services analytical data and site plans.

#### III. Survey Procedures

The following procedures were used to obtain the data for this Report:

- A. Existing documentation was reviewed to develop and understanding of previously identified, sampled and confirmed asbestos-containing materials.
- B. A visual inspection of the site was conducted to confirm the presence of previously identified ACM and to identify suspect asbestos-containing materials not previously sampled. All buildings and spaces were inspected as thoroughly as possible. Due to the extremely poor condition and unsafe nature of many areas of the buildings, not all areas underwent as thorough a re-inspection as would normally occur. Both the interior and exterior of the buildings were examined for the possible presence of asbestos.

- C. Bulk samples of suspected asbestos-containing materials (ACMs) were collected during the site inspection.
- D. Asbestos samples were submitted for analysis. Preliminary Polarized Light Microscopy analyses of non-friable, organically bound (NOB) materials were performed by LaBella Laboratories, a NYSDOH approved laboratory, to determine the presence and percentage of asbestos in each sample. Transmission electron microscopy analyses of NOB materials, if necessary, were performed by AMA Analytical, Inc.
- E. Lab results were used to determine the approximate location, type, and amount of the verified ACMs. Results of bulk sample analyses are tabulated in the attached Asbestos Sampling Forms.

## Limitations: The site has reportedly been vacant since 1991 and has fallen into a state of disrepair. Much of the interior space has been significantly disturbed by the unauthorized removal of building components presumably for its salvage value. Only accessible areas were inspected. In addition, several buildings were partially inaccessible due to poor building conditions, i.e. collapsed roof, asbestos-containing debris contamination.

#### IV. Results

Based on information obtained using the procedures described in the Survey Procedures portion of this report (below), the following summarizes the results of this and previous investigations:

#### **Confirmed Asbestos-Containing Materials (ACMs)**

Based on laboratory analyses of bulk samples collected from the structures located at the site, the following materials were determined to contain asbestos (refer to Appendix B for a specific building location and identification):

#### **BUILDING 1 - FORMER RESEARCH & DEVELOPMENT BUILDING**

Building 1 is located on the southern portion of the Site and is a two-story structure constructed in the 1980's. Building 1 is approximately 6,500 square feet including the basement. Building 1 consists predominantly of research laboratories, equipment storage, and office space.

LaBella - Asbestos Materials Survey (2009)

Type of Material	Typical Location	Figure Page #	Figure Sample Identification	Estimated Amount	Friability / Condition
Gray/Brown	Exterior of Building	AA.01,	General Note #1	900 Linear Feet (48	Non-Friable,
Window Caulk	1 Between Window	AA.02,		Windows)	Fair
	Frame and Window	AA.03			
	Openings				

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Grey Transite	Cabinets and Fume Hoods (also debris on floor)	AA.03	See <i>Legend</i> on Figure	600 Square Feet
Pipe Insulation	Scattered Throughout Portions of Building	AA.02, AA.03	See Legend on Figure	NA
Red Duct Caulk	On All Metal Duct Seams	AA.01, AA.02, AA.03	General Note #2	NA
Grey 12" x 12" Floor Tile and Mastic	Room 109, Floor	AA.02	See Legend on Figure	~100 Square Feet

#### **BUILDING 2 – FORMER EMULSION BUILDING**

Building 2 was part of the original facility constructed in 1948 and is a four-story structure with a basement located just to the North of Building 1 in the Southern portion of the Site. Building 2 is approximately 5,000 square feet and consisted mainly of chemical preparation, mixing, and storage rooms as well as additional laboratory space.

LaBella Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
Black Fibrous Flashing	Roof	AA.04, AA.12	"ACM Black Flashing"	NA	Non-Friable, Fair

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Pipe Insulation	In Place and Scattered Throughout Portions of Building	AA.01- AA.04	See Legend on Figures	5,860 Linear Feet Total, ~2,100 Linear Feet Intact
White Tank Insulation	Two Tanks in Basement Machine Room	AA.01	"2 Insulated Tanks"	1,200 Square Feet
White/Grey Duct Insulation	In Place and Scattered Throughout Portions of Building	AA.01- AA.04	See General Note 6	6,200 Linear Feet Total, ~4,100 Linear Feet Intact
Grey Transite	Basement, General Stock Room	AA.01	"ACM Sheet (Transite) on Walls"	1,500 Square Feet
Black Tank Coating	Basement, Bulk Storage Area	AA.01	"Tar Coating on Concrete Tanks"	650 Square Feet

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Black Tar	Basement, Emulsion Cold Storage Under Cork Walls and on Cork Around Glass Block Windows	AA.01	"ACM Tar Under Cork Walls" Seen General Note 7	4,000 Square Feet
Black Elbows and Steam Pipe Cover	Basement, Bulk Storage Room	AA.01	"Black Elbows and Steam Pipe Cover"	370 Linear Feet
Black Tank Insulation Mastic	1 <sup>st</sup> Floor, Room 111B	AA.02	"ACM Black Tank Insulation Mastic"	580 Square Feet
Grey Transite	2 <sup>nd</sup> Floor, Container Wash & Storage Room Fume Hood	AA.03	"ACM Transite Hood"	80 Square Feet
Grey Vibration Cloth	Penthouse	AA.04	"ACM Vibration Cloth"	60 Linear Feet
Grey Wall Insulation	Penthouse	AA.04	"ACM Wall Insulation"	30 Square Feet
Black Flashing	Roof	AA.04, AA.12	"ACM Black Flashing"	420 Square Feet
Black Duct Insulation	Penthouse	AA.04	"ACM Black Duct Insulation"	125 Square Feet
Black Pipe Insulation	Roof	AA.04	"ACM Black Pipe Insulation"	100 Linear Feet
Grey Wall Caulk	All Exterior Joints, Doors, and Other Penetrations	AA.01- AA.04	See General Note #4	NA
Grey Window Caulk	Exterior of Building 2 Between Window Frame and Window Openings	AA.01- AA.04	See General Note #1	NA

#### **BUILDING 3 – FORMER GARAGE**

Building 3 was part of the original facility constructed in 1948 and is located adjacent to the North of Building 2. Building 3 is a one-story garage that is approximately 600 square feet and was used as storage for the Maintenance Shop (Building 4).

LaBella - Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
Black Built-up Roofing	Roof (Some on Floor of Garage)	AA.12	NA	400 Square Feet	Non-Friable / Fair-Poor

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White Pipe Insulation	Garage	AA.05	See Legend on Figure	2 Linear Feet
Black Roof Flashing	Roof	AA.12	NA	80 Square Feet
Tan Exterior Caulk	East Wall Around Garage Door	AA.05	See Legend on Figure	30 Linear Feet

#### **BUILDING 4 - FORMER MAINTENANCE BUILDING**

Building 4 was part of the original facility constructed in 1948 and is located adjacent to Building 3 to the South and Building 6 to the North. Building 4 is a one-story structure that is approximately 1,500 square feet and was used as a Maintenance Shop.

LaBella - Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
White Window Glazing	Window Between Glass Pane and Steel Frame	AA.05	See <i>Legend</i> on Figure	7 Windows	Non-Friable / Fair

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White Wall Spackle	Electric Room Walls and Ceilings*	AA.05	See Legend on Figure	760 Square Feet **
White Pipe Insulation	Work Room (Some on Floor as Debris)	AA.05	See Legend on Figure	80 Linear Feet
Black Roof Flashing	Roof	AA.12	NA	200 Square Feet
Grey Exterior Wall Caulk	East Wall Around Garage Door	AA.05	See Legend on Figure	23 Linear Feet
Black Exterior Joint Caulk	East Wall Around Garage Door	AA.05	See <i>Legend</i> on Figure	Not Quantified

- \* The former Electrical Room is in poor condition and a large portion of the asbestos-containing wall spackle is located on the ground surface of the space and the areas immediately adjacent to the space.
- \*\* Most of the walls and ceiling are painted and it is not possible to determine the exact extent and locations of the wall spackle. Therefore, for removal estimating purposes, it is assumed that the wall spackle will be removed along with the underlying drywall.

#### **BUILDING 5 – FORMER BOILER HOUSE**

Building 5 was part of the original facility constructed in 1948 and is located adjacent to the North of Building 6. Building 5 is a two-story structure with no basement that is approximately 2,250 square feet and was the former boiler house.

LaBella - Asbestos Materials Survey (2009)

Type of Material	Typical Location	Figure Page #	Figure Sample Identification	Estimated Amount	Friability / Condition
Window Glazing	Window Between Glass Pane and Steel Frame	AA.06	See <i>Legend</i> on Figures	8 Windows	Non-Friable / Fair
Black Roofing	Roof, First Layer & Third Layer	AA.06, AA.12	See <i>Legend</i> on Figures	1,200 Square Feet	Non-Friable / Fair
Black Roof Flashing	Roof	AA.06, AA.12	See <i>Legend</i> on Figures	NA	Non-Friable / Fair

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White Pipe Insulation	Boiler House (Some on Floor as Debris)	AA.06	See Legend on Figure	700 Linear Feet
White Gasket and Boiler Insulation	Boiler House (Some on Floor as Debris)	AA.06	See <i>Legend</i> on Figure	400 Square Feet
Black Roof Membrane	Roof	AA.06, AA.12	"ACM Roof Membrane"	2,400 Square Feet
Black Roof Flashing	Roof	AA.06, AA.12	"ACM Roof Flashing)	200 Square Feet
Transite Sheeting Debris	East of Boiler House Near Former Transformer	AA.06	"ACM Transite Sheeting Debris"	Not Quantified
Grey Transite Panels	Electric Box Enclosure	AA.06	See Legend on Figure	60 Square Feet

#### **BUILDING 6 - FORMER STATIONARY ENGINEERS OFFICE**

Building 6 is located adjacent to the North of Building 4 and South of Building 5 and is a one-story structure constructed as an addition in the 1980's. Building 6 is approximately 500 square feet, has no basement, and was utilized as the Stationary Engineers Office.

LaBella - Asbestos Materials Survey (2009)

Based on laboratory analyses of bulk samples collected from Building 6 by LaBella Associates, no other materials were determined to contain asbestos.

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Black Roof Field	Roof	AA.12	NA	700 Square Feet
Black Roof Flashing	Roof	AA.12	NA	150 Square Feet

#### **BUILDING 7 – FORMER COATING ALLEY**

Building 7 was part of the original facility constructed in 1948 and is located adjacent to the North of the Northwest portion of Building 2, to the East of Buildings 9 and 10, and to the South of Building 12. Building 17 is above the Northern portion of Building 7 as a majority of the lower level of Building 7 is at or below grade at the Site. Building 7 is a one-story structure that contains a mezzanine above the lower level and is approximately 3,600 square feet. This building was utilized as the coating and drying alley.

LaBella - Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
Black Roof Flashing	Roof	AA.12	See Legend on Figures	550 Square Feet	Non-Friable / Fair

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White Pipe Insulation	Coating Alley Along West Wall and in Utility Tunnel (Some on Floor as Debris)	AA.11	See <i>Legend</i> and <i>General</i> Note #1 on Figure	210 Linear Feet
Grey Duct Insulation	Fan Room	AA.11	"ACM Duct and Pipe Insulation"	180 Square Feet
Grey Sheet Vinyl	Mezzanine Level Floor	AA.11	See Legend on Figure	2,600 Square Feet
Brown Cove Molding Mastic	Mezzanine Level, Base of Eastern Wall	AA.11	"ACM Interior Cove Molding Mastic"	360 Square Feet
Black Pipe Wrap	Coating Alley, Coating and Chill Room	AA.11	"ACM Black Pipe Wrap"	10 Linear Feet
Black Roof Flashing	Roof	AA.12	NA	550 Square Feet
Black Asphalt Siding	Exterior	AA.11	"Exterior Black Asphalt Siding"	4,300 Square Feet
Tan Tank Insulation Mastic	Basement, Coating Alley on Tank	AA.11	"ACM Tank Insulation"	270 Square Feet
Tan Pipe Insulation Mastic	Mezzanine (Some on Floor as Debris)	AA.11	"ACM Tan Pipe Insulation Mastic"	200 Linear Feet (some may no longer be present)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Black Tar	East & West Side Base of Building	AA.11	See Legend	200 Linear Feet

#### **BUILDING 8**

Building 8 is located adjacent to the West of Building 2 and is a tall one-story structure constructed as an addition in the 1980's. Building 8 is approximately 330 square feet and has no basement.

LaBella - Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
Black Roof Flashing	Roof	AA.12	NA	NA	Non-Friable / Fair

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Black Fire Door Insulation	Door	AA.02	"ACM Fire Door"	64 Square Feet
Black Wall Caulk	Interior Walls	AA.02	"ACM Black Wall Caulk"	120 Linear Feet

#### **BUILDING 9 – FORMER KATHABAR**

Building 9 is located adjacent to the West of the Southern portion of Building 7 and is a tall one-story structure constructed as an addition in the 1980's. Building 8 is approximately 570 square feet, has no basement, and housed a Kathabar system.

LaBella - Asbestos Materials Survey (2009)

Type of Material	Typical Location	Figure Page #	Figure Sample Identification	Estimated Amount	Friability / Condition
Pipe Insulation	Debris on Floor	AA.11	See <i>Legend</i> on Figure	8 Square Feet	Friable / Poor
Black Roof Flashing	Roof	AA.11, AA.12	"ACM Roof Flashing"	100 Square Feet	None-Friable / Fair

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Grey Wall Caulk	Exterior Building Joints and Door Frame Joints	AA.11	"Exterior ACM Grey Caulk"	Not Quantified

#### **BUILDING 10 - FORMER KATHABAR**

Building 10 is located adjacent to the central portion of Building 7 and is a tall one-story structure constructed as an addition in the 1980's. Building 10 is approximately 1,000 square feet, has no basement, and housed a Kathabar system.

LaBella - Asbestos Materials Survey (2009)

Based on laboratory analyses of bulk samples collected from Building 10 by LaBella Associates, no other materials were determined to contain asbestos.

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White Pipe Insulation	Intact on Pipes	AA.11	See General Note #3	50 Linear Feet
Black Roof Flashing	Roof	AA.11, AA.12	"ACM Roof Flashing"	100 Square Feet

#### **BUILDING 11 - FORMER CHEMICAL LAB**

Building 11 was part of the original facility constructed in 1948 and is located adjacent to the South of Building 16. Building 11 is a one-story structure with a basement and is approximately 3,900 square feet. This building consisted mainly of laboratories and office space.

LaBella - Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
Black Roof Flashing	Roof	AA.10, AA.12	See <i>Legend</i> on Figures	NA	Non-Friable / Fair

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White Pipe Insulation	Intact on Pipes (Some on the Floor as Debris)	AA.10	See General Note #1	2,960 Square Feet
Grey Window Glaze	Basement Windows Between Glass Pane and Steel Frame	AA.10	See General Note #2	200 Square Feet
Grey Expansion Cloth	Basement, Room B-4	AA.10	"ACM Expansion Cloth"	4 Square Feet
White Fire Door Insulation	Throughout 1st Floor	AA.10	See General Note #3	420 Square Feet
Brown 12" x 12" Floor Tile and Mastic	1st Floor, Room B-103	AA.10	See <i>Legend</i> on Figure	225 Square Feet

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Grey Transite	1 <sup>st</sup> Floor, Room B-108 & B-109 on Cabinets and Fume Hoods	AA.10	See Legend on Figure	300 Square Feet
Red Duct Caulk	Basement, Room B-4; 1 <sup>st</sup> Floor, Room B-109	AA.10	"ACM Red Duct Caulk"	22 Linear Feet
Orange Sheet Vinyl and Mastic	Stairway Stair Tread	AA.10	See Legend on Figure	130 Square Feet
Black Roof Flashing	Roof	AA.10, AA.12	"ACM Roof Flashing"	300 Square Feet
Black Roofing	Roof	AA.12	See Legend on Figure	5,400 Square Feet
Gray Caulk	Exterior Building Joints and Door Frame Joints	AA.10	"Exterior ACM Grey Caulk"	Not Quantified

#### **BUILDING 12 - FORMER SUB-COAT BUILDING**

Building 12 is the Northern most building at the Site located adjacent to the North of Buildings 16, 7, and 17. Building 12 is a one-story structure constructed as an addition in the 1980's, has no basement and was utilized predominantly for storage and receiving.

LaBella - Asbestos Materials Survey (2009)

Type of Material	Typical Location	Figure Page #	Figure Sample Identification	Estimated Amount	Friability / Condition
Black Roof Flashing	Roof	AA.12	NA	755 Square Feet	Non-Friable / Fair
Wall Mastic	East Wall	AA.07	See Figure	1,500 Square Feet	Good

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Pipe Insulation	Unknown *	NA	NA	260 Linear Feet
Grey Transite Panels	West Wall of Former Chemical Storage Room	AA.07	See Legend on Figure	150 Square Feet
Black Roof Membrane	Roof	AA.12	See <i>Legend</i> on Figure	5,200 Square Feet
Black/Silver Roof Flashing	Roof	AA.12	See Legend on Figure	755 Square Feet

<sup>\*</sup> Material not observed in during LaBella's 2009 survey.

Note: 12" x 12" floor tile, mastic and cove molding (Receiving Office) confirmed asbestos-free by TEM.

#### **BUILDING 16 – FORMER PROCESS BUILDING**

Building 16 is located adjacent to the North of Building 11 and South of Building 12 and was constructed as part of the original facility in 1948. Building 16 is a one-story structure with a basement and is approximately 9,350 square feet. This building was utilized as the process building and contained some laboratories and office space.

LaBella - Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
Black Roof Flashing	Roof	AA.09, AA.12	See <i>Legend</i> on Figures	450 Linear Feet	Non-Friable / Fair

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White/Black Pipe Insulation	Most on Floor as Debris	AA.09	See Legend and General Note #1 on Figure	3,850 Linear Feet
Grey 9" x 9" Floor Tile and Mastic	Most of Floor on 1 <sup>st</sup> Floor	AA.09	See <i>Legend</i> on Figure	3,000 Square Feet
White Duct Insulation	Penthouse Fan Room (Some on Floor as Debris)	AA.09	"ACM Duct Insulation"	600 Square Feet
Red Duct Caulk	Basement, Room B-26	AA.09	"ACM Red Duct Caulk"	5 Linear Feet
Black Roof Flashing	Roof	AA.09, AA.12	"ACM Roof Flashing"	450 Linear Feet

#### **BUILDING 17 - FORMER DRYER ADDITION**

Building 17 is located above the Northern portion of Building 7 and was an addition constructed in the 1980's. This building is a two-story structure that is 6,200 square feet and contained the machinery associated with the drying operations of Building 7 (drying portion of coating alley).

LaBella - Asbestos Materials Survey (2009)

Based on laboratory analyses of bulk samples collected from Building 17 by LaBella Associates, no other materials were determined to contain asbestos.

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
White Fire* Door Insulation	Lower Level, Throughout Floor	AA.08	Not Specified	240 Square Feet

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
Grey Pipe Insulation and Grey Joint Compound	Northwest Portion of Lower Level (Some on Floor as Debris)	AA.08	"ACM Pipe Fitting Insulation Near Ceiling Ductwork"	260 Linear Feet
White Vibration Cloth	Upper Level in Southwest Corner	AA.08	"ACM Vibration Cloth"	30 Linear Feet
Grey and Brown Wall Insulation	Upper Level in Southwest Corner	AA.08	"ACM Wall Insulation"	150 Square Feet
Black Pipe Wrap	Upper Level in Southwest Corner	AA.08	"ACM Pipe Wrap"	30 Linear Feet
Black Tar	Foundation	AA.08	See Legend on Figure	Not Quantified
Pipe Insulation	Throughout Building (Most on Floor as Debris)	AA.08	See <i>Legend</i> on Figure	Not Quantified

<sup>\*</sup>Not identified in this survey, quantity unknown.

#### **GUARD SHACK**

The Guard Shack is located to the Southwest of Building 11. This structure is one-story and is 80 square feet.

LaBella - Asbestos Materials Survey (2009)

No additional bulk samples were collected from the Guard Shack by LaBella Associates.

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Location	Estimated Amount
12" x 12" Floor Tile	Floor	AA.10	"ACM Floor Tile"	20 Square Feet
Black Roofing	Roof	AA.10&13	"ACM Roofing"	30 Square Feet

#### SILVER RECOVERY EQUILIZATION WASTEWATER ABOVEGROUND STORAGE TANK

The 12,000-gallon aboveground Silver Recovery Equalization Wastewater Tank is located to East of Building 1.

LaBella - Asbestos Materials Survey (2009)

Type of	Typical Location	Figure	Figure Sample	Estimated	Friability /
Material		Page #	Identification	Amount	Condition
Black Tar/Tar Paper	Beneath Metal Jacket of Tank	AA.01	NA	500 Square Feet	Non-Friable / Fair

#### PERSONNEL TUNNELS (BETWEEN BUILDINGS 1, 2 & 11; BUILDINGS 16 & 17)

LaBella - Asbestos Materials Survey (2009)

Type of Material	Typical Location	Figure Page #	Figure Sample Identification	Estimated Amount	Friability / Condition
Pipe					Non Erichle /
Insulation	Floor	NA	NA	500 Square Feet	Non-Friable /
Debris				_	Fair

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Based on document review of previous reports, no other asbestos-containing materials were identified in the Personnel Tunnels.

#### MECHANICAL SYSTEM TUNNELS (BETWEEN BUILDINGS 2 & 5; BUILDINGS 5 & 11)

LaBella - Asbestos Materials Survey (2009)

Based on laboratory analyses of bulk samples collected from the Mechanical System Tunnel by LaBella Associates, no materials were determined to contain asbestos.

Paradigm Environmental Services, Inc. - Asbestos Survey at the Photech Imaging Systems (1999 through 2008)

Type of Material	Typical Location	Figure Page #	Figure Sample Identification	Estimated Amount	Friability / Condition
White Pipe Insulation	Piping in Tunnel and on Floor	AA.01, .06, .09, & .10	See Figure Legend	220 Linear Feet	Friable/Poor
Black Pipe Wrap	Piping in Tunnel and on Floor	AA.01, .06, .09, & .10	See Figure Legend	280 Linear Feet	Non-Friable / Poor
Black Tar/Tar Paper	Beneath Metal Jacket of Tank	AA.01	NA	500 Square Feet	Non-Friable / Fair

#### V. Special Considerations

The following special considerations should be taken into account during the evaluation of abatement procedures.

#### Site Conditions:

In addition to the ACM materials at the Site, the nature, conditions and contents of site structures and surrounding areas should be taken into consideration prior to asbestos abatement activities. The Site has been abandoned since 1991, and in that time natural degradation, vandalism and significant scavenging have taken place resulting in potentially dangerous debris (broken glass, metal, concrete/brick, piping, etc.) scattered at random, site-wide.

Some of the structures have incurred structural damage and it should be assumed that the integrity of all structures has been compromised to some extent. Also excessive vegetation has accumulated around Site features and could represent a hazard during site activities (i.e., allergenic considerations, abrasives, decreased access or visibility of some areas, etc.). Caution should be taken during activities in or around any site structure.

#### Chemical Contamination:

Based on the former use of the Site in the photographic industry, activities conducted throughout the Site often utilized regulated and/or hazardous chemicals. Several areas of the Site and the contents of some in-place, on-site infrastructure have been determined through sampling and laboratory analysis to be a characteristic hazardous waste based on toxicity. Other areas of the Site contain residual chemical contamination which requires handling and disposal as a regulated solid waste. Based on the condition of the Site it is not possible to pre-characterize all debris and remaining building equipment and infrastructure in regard to the presence of residual chemicals.

In addition to general chemical cross-contamination, piping systems are present at the Site that have a high likelihood of containing residual chemicals. All on-site piping should be considered suspect and should be addressed in accordance with the Containerization, Characterization and Disposal of Waste Specification Section 02300.

HAZWOPER 40 Hour training is required for employees working on a project consisting of Uncontrolled Hazardous Waste Operation. This training is specifically designed for workers who are involved in clean-up operations, voluntary clean-up operations, emergency response operations, and storage, disposal, or treatment of hazardous substances or uncontrolled hazardous waste sites. This course covers topics included in 29 CFR 1910.120. Based on the known activities and conditions at the Site, all on-site employees should have the appropriate training.

Figures, photos and analytical results for some but not all of these materials and areas are provided for review. Proper safety measures should be taken when handling or staging these materials for future disposal. It should be noted that the condition of the Site makes a reconnaissance of such items difficult and the possibility exists that additional materials may be present and not identified.

#### Histoplasmosis:

Additionally there is a high prevalence of avian (i.e., pigeon) feces throughout site structures and appropriate safety measures should be taken to avoid significant exposure. Site workers should be alerted to the causes and symptoms of histoplasmosis.

Y:\Rochester, City\209288.03 Asbestos\Reports\Asbestos Materials Survey Final 2009.11.24.doc

# **Asbestos Bulk Sample Summary Tables**

#### Former Photech Facility 1000 Driving Park Avenue

#### LaBella Project No. 209288

#### Building #2

			Results %
Sample #	Sample Location	Type of Material	Asbestos
FLA-010	Southern Portion of Roof	Black Roof Flashing	23% Chrysotile
FLA-012	Eastern Portion of Roof	Black Roof Flashing	15% Chrysotile

#### **Building #3**

Sample #	Sample Location	Type of Material	Results % Asbestos
3-1A	HVAC Duct at North End of Garage	Gray Duct Caulk	None Detected
3-2A	Southeast Corner of Roof at Hole in Roof	Built-up Roofing	6% Chrysotile

#### **Building #4**

Sample #	Sample Location	Type of Material	Results % Asbestos
4-1A	Building 4 in Northwest Corner of Maintenance Shop	Light Brown 12x12 Floor Tile with Black Mastic	None Detected
4-2A	Building 4 on South Window of Maintenance Shop	Window Glazing	6.3 % Chrysotile
4-3A	Building 4 on North Wall Brown Paneling	Tan Adhesive	None Detected

#### **Building #5**

Sample #	Sample Location	Type of Material	Results % Asbestos
5-1A	Building 5 on East Window	Window Glaze	None Detected

#### Former Photech Facility 1000 Driving Park Avenue

#### LaBella Project No. 209288

			Results %
Sample #	Sample Location	Type of Material	Asbestos
ROF-035	Building 5 Roof	Black Roofing, First Layer	2% Chrysotile
ROF-035B	Building 5 Roof	Black Roofing, Third Layer	32% Chrysotile
FLA-036	Building 5 Roof	Black Fibrous Flashing	17% Chrysotile
ROF-037B	Building 5 Roof	Black Fibrous Roofing	35% Chrysotile
FLA 038	Building 5 Roof	Black Fibrous Flashing	18% Chrysotile

#### **Building #6**

Sample #	Sample Location	Type of Material	Results % Asbestos
6-1A	Building #6 Bathroom Floor	12x12 Floor Tile	None Detected
6-2A	Building #6 Bathroom Floor	Black Mastic	None Detected

#### **Building #7**

			Results %
Sample #	Sample Location	Type of Material	Asbestos
FLA-026	Building 7 Roof Edge	Black Fibrous Flashing	39% Chrysotile
FLA-028	Building 7 Roof Edge	Black Fibrous Flashing	38% Chrysotile

#### **Building #8**

			Results %
Sample #	Sample Location	Type of Material	Asbestos
FLA-014	Building 8 Roof	Black Fibrous Flashing	7% Chrysotile
FLA-016	Building 8 Roof	Black Fibrous Flashing	10% Chrysotile

#### Former Photech Facility 1000 Driving Park Avenue

#### LaBella Project No. 209288

#### **Building #9**

Sample #	Sample Location	Type of Material	Results % Asbestos
BLDG9-1A	Floor on Kathabar Building	Pipe Wrap Debris	
FLA-018	Building 9 Roof	Black Fibrous Flashing	21% Chrysotile
FLA-020	Building 9 Roof	Black Fibrous Roofing	16% Chrysotile

#### **Building #11**

Sample #	Sample Location	Type of Material	Results % Asbestos
FLA-002	Building 11 Roof	Black Fibrous Flashing	11% Chrysotile
FLA-004	Building 11 Roof	Black Fibrous Flashing	11% Chrysotile

#### **Building #12**

Sample #	Sample Location	Type of Material	Results % Asbestos
12-1A	Building 12 Corridor #15 on Block Wall Joint	Vertical Joint Caulk	None Detected
12-1B	Building 12 Corridor #15 on Block Wall Joint	Vertical Joint Caulk	None Detected
12-2A	Building 12 Receiving Office 1 <sup>st</sup> Floor	Brown 12x12 Floor Tile with Black Mastic	None Detected
12-3A	Building 12 Receiving Office 1 <sup>st</sup> Floor	Tan Cove Base Molding Mastic	None Detected
12-4A	Building 12 on Vertical Pipes in Incinerator Room	Gray Pipe End Sealer	None Detected

#### Former Photech Facility 1000 Driving Park Avenue

#### LaBella Project No. 209288

Sample #	Sample Location	Type of Material	Results % Asbestos
12-5A	Building 12 Below Tan Exterior Façade on CMU	Gray Adhesive	None Detected
FLA-032	Building 12 Roof	Black Fibrous Flashing	18% Chrysotile
FLA-034	Building 12 Roof	Black Fibrous Flashing	17% Chrysotile

#### **Building #16**

Sample #	Sample Location	Type of Material	Results % Asbestos
FLA-006	Building 16 Roof	Black Fibrous Flashing	19% Chrysotile
FLA-008	Building 16 Roof	Black Fibrous Flashing	7.3% Chrysotile

#### **Building #17**

Sample #	Sample Location	Type of Material	Results % Asbestos
BLDG17-1A	On Roof Drain Pipe Fitting near Ceiling Ductwork	Pipe Fitting Insulation	

#### **Carpenter Shed**

Sample #	Sample Location	Type of Material	Results % Asbestos
CS-1A	North Floor of Shed	Door Insulation	10% Amosite
CS-2A	2 <sup>nd</sup> Floor North Side of Shed	Ceiling Tile	None Detected
CS-3A	South Entrance on Floor	Debris	16% Amosite

#### Former Photech Facility 1000 Driving Park Avenue

#### LaBella Project No. 209288

#### **Wood Shed**

Sample #	Sample Location	Type of Material	Results % Asbestos
WS-1A	Roof of Small Wood Shed	Roofing Material	None Detected

## Appendix A Asbestos Survey Fact Sheet

#### **Asbestos Survey Fact Sheet**

Name and Address of Building/Structure
Former Photech Facility
1000 Driving Park Avenue
Rochester, New York
Name and Address of Building/Structure Owner
City of Rochester
30 Church Street, Suite 300B
Rochester, New York 14614
Name and Address of Owner's Agent
LaBella Associates, Inc.
300 State Street, Suite 201
Rochester, NY 14614
Name of the Firm & Persons Conducting the Survey
LaBella Associates, P.C.
Mitchell C. Smith (NYSDOL Cert. #97-15393)
Thomas J. Kihn (NYSDOL Cert. #88-02892)
Date(s) the LaBella Survey Was Conducted
August through October 2009

#### **Asbestos Survey Fact Sheet (cont.)**

#### Building 1 List of Homogeneous Areas (Items in Bold Confirmed ACM)

Grey Spray-on Monokote
White Spackle
Beige Cove Molding Mastic
Beige Carpet Mastic
White/Grey Suspended Ceiling Tile
Orange Stair Tread Sheet Vinyl Mastic
Black Stair Tread Sheet Vinyl Mastic
Grey Battleship Sheet Vinyl
Red Duct Caulk
Grey 12" x 12" Floor Tile
Yellow Floor Tile Mastic
White Fire Door Insulation
Red Sheet Vinyl
Tan Foam Mastic
Grey Transite Cabinets/Fume Hood
Grey Drywall
Black Vapor Barrier
White Window Glaze
Grey Wall Caulk
Brown Drywall
Grey Cement Adhesive

Grey Cement Siding
White Pipe Insulation
Building 2 List of Homogeneous Areas (Items in Bold Confirmed ACM)
Black Elbow and Steam Pipe Cover
Black Pipe Cover Over Cork
Grey Wall Caulk
Black Expansion Joint
Black Roofing
Silver/Black Roof Flashing
Black Roof Membrane
Black Duct Insulation
Black Pipe Insulation
Red Paint
White Pipe Insulation
Grey Vibration Cloth
<b>Grey Duct Insulation</b>
Tan Brick Ceiling
Tan Insulation Mastic
White Wall Plaster
Grey Wall Insulation
White Wall Plaster
Grey Wall Plaster

White 2'x2' Suspended Ceiling Tile

White Spackle
Grey Wall Plaster
Yellow Ceramic Tile Mastic
Black Sink Mastic
White/Grey 2'x4' Suspended Ceiling Tile
Yellow Ceramic Tile Mastic
Tan 12"x12" Floor Tile
Black Floor Tile Mastic
Black Tank Insulation Mastic
Grey Cove Molding Mastic
Grey Transite Wall
Black Tank Coating
Black Tar
Transite Fume Hood
Building 3 List of Homogeneous Areas (Items in Bold Confirmed ACM)  Grey Duct Caulk
Black Roof Flashing
Built-up Roofing
White Pipe Insulation
Tan Wall Caulk
Building 4 List of Homogeneous Areas (Items in Bold Confirmed ACM)
Gray Cailing Placter

White Spackle
Tan Carpet Mastic Floor
Brown 12"x12" Floor Tile
Black Floor Tile Mastic
Grey/White Window Glaze
Black Roof Flashing
Black Roof Membrane
Grey Roof Decking
White Pipe Insulation
Tan Panel Adhesive
Gray Wall Caulk
Black Expansion Joint Tar
Building 5 List of Homogeneous Areas (Items in Bold Confirmed ACM)
Black Pipe Wrap
White Pipe Insulation
Grey Transite
White Gasket
White Boiler Insulation
White Boiler Insulation
White Boiler Insulation  White Window Caulk
White Boiler Insulation  White Window Caulk  Black Roof Flashing

Window Glazing
Transite Debris
Building 6 List of Homogeneous Areas (Items in Bold Confirmed ACM)
White/Grey 2'x4' Ceiling Tile
White Spackle
Tan 12" x 12" Floor Tile
Black Floor Tile Mastic
Black Roof Field
Black Roof Flashing
Grey Window Caulk
Building 7 List of Homogeneous Areas (Items in Bold Confirmed ACM) Grey Duct Insulation
White Pipe Insulation
Black Roof Flashing
Black Roof Membrane
Black Asphalt Siding
Tan Duct Insulation Mastic
Grey Sheet Vinyl
Black Sheet Vinyl Mastic
Tan 9"x9" Floor Tile
Black Floor Tile Mastic
Tan Tank Insulation Mastic

Black/Silver Tar Paper
Brown Cove Molding Mastic
White Ceiling Plaster
Black Pipe Wrap
Tan Pipe Insulation Mastic
Black Fibrous Tar
Building 8 List of Homogeneous Areas (Items in Bold Confirmed ACM)
Black Fire Door Insulation
Black Wall Caulk
Black Expansion Cloth
White Caulk
Brown Expansion Joint
Building 9 List of Homogeneous Areas (Items in Bold Confirmed ACM)
Black Roof Flashing
Black Roof Membrane
Tan Tank Insulation Mastic
White Mudded Joint Packing
Gray Wall Caulk
Building 10 List of Homogeneous Areas (Items in Bold Confirmed ACM)  Brown Expansion Joint

White Mudded Joint Packing
Black Roof Membrane
Black Roof Flashing
Building 11 List of Homogeneous Areas (Items in Bold Confirmed ACM)
White Pipe Insulation
Black Ceramic Tile Mastic
Grey Duct Cloth Expansion Cloth
Grey Window Glaze
Red Duct Caulk
White Tank Covering
Orange Sheet Vinyl
Tan Sheet Vinyl Mastic
Grey 12"x12" Floor Tile
Tan Floor Tile Mastic
Brown Cove Molding Mastic
Brown 12" x 12" Floor Tile
Black Floor Tile Mastic
White Fire Door Insulation
Grey Transite Cabinet Liner
Black Roof Felts
Black Roof Flashing
Black Roof Membrane
Grav Caulk

#### Building 12 List of Homogeneous Areas (Items in Bold Confirmed ACM)

Grey 2'x2' Suspended Ceiling Tile
Grey Mudded Joint Packing
Grey Pipe Insulation
White Pipe Insulation
Grey Transite Wall
Brown 12" x 12" Floor Tile
Black Floor Tile Mastic
Tan Cove Molding Mastic
Black Roof Felts
Black/Silver Roof Felts
Black Roof Flashing
Black Roof Membrane
Black Foam Insulation Mastic
Grey Roof Decking
Gray Pipe End Sealer
Gray Cement
Gray Wall Caulk
Pink Cement
Building 16 List of Homogeneous Areas (Items in Bold Confirmed ACM)  Black Roof Felts
Black Pipe Insulation Mastic
White Pipe Insulation

-9-

White Duct Insulation
Grey Ceiling Plaster
Red Duct Caulk
Tan Mastic
White Foam Cover
White Plastic
Grey 9" x 9" Floor Tile
Brown Floor Tile Mastic
Black Floor Tile Mastic
White Spackle
White 2'x4' Suspended Ceiling Tile
White Roof Decking
Grey Wall Board
Black Pipe Insulation
Black Roof Flashing
Building 17 List of Homogeneous Areas (Items in Bold Confirmed ACM)
White Fire Door Insulation
Grey Pipe Insulation
Grey Mudded Joint Packing
Grey Duct Insulation
Black Duct Insulation
Grey Duct Caulk
White Vibration Cloth

Grey Wall Insulation
Brown Wall Insulation
Grey Sheet Vinyl
White Spackle
Black Pipe Wrap
Black Tar Paper
Black Tar on Foundation
Guard Shack List of Homogeneous Areas (Items in Bold Confirmed ACM)
Black Fire Door Insulation
Black Wall Caulk
Black Expansion Cloth
White Wall Caulk
White/Grey 2'x2' Suspended Ceiling Tile
Brown 12"x12" Floor Tile
Brown Floor Tile Mastic
Black Roofing Tar
Silver Recovery Waste Water Tank List of Homogeneous Areas (Items in Bold Confirmed ACM)
Brown Mastic
White Canvas Cloth
Black Tar Paper

## Subgrade Tunnels List of Homogeneous Areas (Items in Bold Confirmed ACM)

White Pipe Insulation	
Black Pipe Wrap	

# **Appendix B Licenses and Certifications**

#### NEW YORK STATE - DEPARTMENT OF LABOR

DIVISION OF SAFET AND HEALTH LIGENSE AND CERTIFICATE VINIT STATE CAMPUS BUILDING 12 ALBANY, NY 12240

### ASBESTOS HANDLING LICENSE

La Bella Associates Pc Suite 204 300 State Street Rochester NY 14614

LICENSE NUMBER: 993172 LICENSE NUMBER: 29278 LICENSE CLASS: RESTRICTED DATE OF ISSUE: 01/16/2009 EXPIRATION DATE: 01/31/2010

July Authorized Representative Sergio Esteban

This license has been issued in accordance with applicable provisions of Article. It of the Labor Law of New York State and of the New York State Codes, Rules and Regulations [12 NYERR Part 56]. It is subject to suspension or revocation for a (1) sepious violation of state, federal or local laws with regard to the conductor and specific provision of the conductor and specific provision of the conduct of any local laws with regard to the conductor and specific provision of the conduct of any local involving aspectos or aspectos material.

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

Madrese h W

Maureen A. Cox, Director FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

## 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. 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:

#### Miscellaneous

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 Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

## 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. 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 AIR AND EMISSIONS All approved subcategories and/or analytes are listed below:

Miscellaneous Air

Fibers

NIOSH 7400 A RULES

Serial No.: 39233

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

## 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. G EDWARD CARNEY AMA ANALYTICAL SERVICES INC 4475 FORBES BLVD LANHAM, MD 20706

NY Lab Id No: 10920 EPA Lab Code: MD00084

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:

#### Metals I

Lead, Total

**EPA 7420** 

#### Miscellaneous

Asbestos in Friable Material

EPA 600/M4/82/020

Asbestos in Non-Friable Material-TEM

ITEM 198.4 OF MANUAL

Lead in Dust Wipes

EPA 7420

Lead in Paint

EPA 7420

#### Sample Preparation Methods

ASTM E-1979-98 EPA 600/R-93/200

Serial No.: 39144

Property of the New York State Department of Health. Valid only at the address shown, Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

## STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE



THOMAS MRIPH CLASSIEXPIRES CENSPICATION I NO 104/10

CERT#88-02892 DMV# 916291454 MUST BE CARRIED ON ASBESTOS PROJECTS

## STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE





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



EYES GRN HAIR BRO HGT 5'08" IF FOUND RETURN TO: NYSDOL - LSC UNIT ROOM 16LA BUILDING 12 STATE OFFICE CAMPUS ALBANY NY 12240

# **Appendix C Laboratory Analyses Reports**

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

**ASBESTOS CONTAINING MATERIALS** 

#### 1STFLOOR

Room 116 White Pipe Insulation (Debris) 20 linear feet

2ND FLOOR

Room 203 Grey Transite on Cabinets & Fume Hoods 600 square feet

Room 214 White Pipe Insulation 4 linear feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

## MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

1ST FLOOR	00-1		
Room 102	DC-1 Red Duct Caulk Neg by PLM	3	linear feet
Room 109	Grey 12" x 12" Floor Tile & Mastic FT-1 neg by PLM	90	square feet

<sup>\*</sup>All quantities are approximations.

<sup>\*\*</sup>Exact quantification of ACM contaminated debris could not be determined due to the extent of vandalism in the building.

## TOTAL ASBESTOS CONTAINING MATERIALS and MATERIALS TO BE TREATED AS ASBESTOS CONTAINING:

## **BUILDING#1-RESEARCH & DEVELOPMENT**

## **Total Asbestos Containing Materials:**

Pipe Insulation	24	linear feet
Transite	600	square feet
Total Materials to be Treated as Asbestos Containing:		
Duct Caulk	3	linear feet
Floor Tile and Mastic	90	square feet

## PARADIGM Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

94777

Building #1 - Research & Development

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/21/1999

Page Number:

1 of 3

Client ID	Lab ID	Sampling Location	Description	Asbestos	Total	Т	Non-Asbestos	Matrix
Chent ID	Labib	Oumpling Location	·	Fibers Type &	Asbestos	E	Fibers Type &	Material
				Percentage		м	Percentage	%
MON-1	23963	First Floor	Grey Fibrous Spray-0n	<ul> <li>None Detected</li> </ul>	0%	П	Cellulose 12%	80%
		Main Entry	Monokote				Fiberglass 8%	
SPK-1	23964	First Floor	White Spackle	None Detected	0%		None Detected	100%
J		Main Entry	<u> </u>					
	-		and the second					
CMM-1	23965	First Floor	Beige Cove Molding Mastic	None Detected	0%	*	None Detected	100%
CIVIIVI-1		Main Entry					TEM	
							Near	
CMF-1	23966	First Floor	Beige Carpet Mastic	None Detected	0%	*	None Detected	100%
CMF-1	23900	Main Entry	beige outpet mastic	Hone Delected	""	"	TEM	100,8
					1		Neg	
	2222		144.6	None Detected	0%		Cellulose 55%	25%
SCT-1	23967	First Floor Room 107	White/Grey Fibrous Suspended Ceiling Tile	None Detected	0%		Mineral Wool 20%	25%
		Room to	Suspended Centry The				William VIODI 20 X	
						<u> </u>	None Detected	40001
SV-1	23968	First Floor	Orange Stair Tread Sheet Vinyl	None Detected	0%	*	TEM	100%
		Stairtower	Viiiyi		i		1 ' .	
					<u> </u>	L	Neg	
SVM-1	23969	First Floor	Black Stair Tread Sheet	None Detected	0%	*	Cellulose 8%	92%
		Stairtower	Vinyl Mastic from Sample 23968		1		TEM	
			23968		<u> </u>		Weg	
SV-2	23970	First Floor	Grey Fibrous Battleship	None Detected	0%	*	Cellulose 25%	66%
		Room 102	Sheet Vinyl			1	Fiberglass 9%	
						ı	IEM Neg	
DC-1	23971	First Floor	Red Duct Caulk	None Detected	0%	*	None Detected	100%
50-1		Room 102	, ·			]		1
		1						]
FT-1	23972	First Floor	Grey 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
F 1*1	200,2	Room 109	1			1		
•		1				1		
			<u> </u>	L	<u> </u>	1_	ELAP ID No.: 10958	1

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/21/1999

:roscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

## PARADIGM Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

`ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

94777

Building #1 - Research & Development

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/21/1999

Page Number:

2 of 3

FTM-1 23973 First Floor Room 109 from Sample 23972  FD-1 23974 First Floor Corridor 121 White Fibrous Fire Door Insulation None Detected 0% Cellulose 60% Cellulose 60% Telm Mastic Fiberglass 10% Telm Mastic Fiberglass 10% Telm Mastic None Detected 0% * Cellulose 28% Fiberglass 10% Telm Mastic None Detected 0% * None Detected 1 Telm Mastic None Detected 0% * None Detected 1 Telm Mastic None Detected 0% * None Detected 1 Telm Mastic None Detected 1	Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type &	Total Asbestos	T E	Non-Asbestos Fibers Type &	Matrix Material
FD-1 23974 First Floor Corridor 121 White Fibrous Fire Door Insulation None Detected 0% Cellulose 60% First Floor Corridor 121 Red Fibrous Sheet Vinyl None Detected 0% Fiberglass 10% Fibrglass 10% F					Percentage		M	Percentage	%
SV-3 23975 First Floor Corridor 121 Red Fibrous Sheet Vinyl None Detected 0% * Cellulose 28% Fiberglass 10% TEM Neg  FOM-1 23976 First Floor Room 117 Tan Foam Mastic None Detected 0% * None Detected 1  SCT-2 23977 Second Floor Room 204 Suspended Celling Tile None Detected 0% Mineral Wool 25% Mineral Wool 25% Mineral Wool 25% TR-1 23978 Second Floor Room 203 Cabinets/Fume Hood Chrysotile 26% 26% None Detected 0% Cellulose 15% TR-1 23979 Second Floor Room 214 Grey Fibrous Drywall None Detected 0% Cellulose 15% Cellulose 22% SPK-3 23981 Basement Room 003 White Spackle None Detected 0% None Detected 1	FTM-1	23973		1		None Detected	100%		
FOM-1 23976 First Floor Room 117 Tan Foam Mastic None Detected 0% * None Detected 1 TEM Neg 1  SCT-2 23977 Second Floor Room 204 White/Grey Fibrous Suspended Celling Tile None Detected 0% Mineral Wool 25% Mineral Wool 25% Mineral Wool 25% Mineral Wool 25% None Detected 26% None Detected 26% None Detected 26% None Detected 27% None Detected 27% None Detected 28% None Det	FD-1	23974			None Detected	0%		Cellulose 60%	40%
FOM-1 23976 First Floor Room 117 Tan Foam Mastic None Detected 0% * None Detected TEM Neg 1  SCT-2 23977 Second Floor Room 204 White/Grey Fibrous Suspended Ceiling Tile None Detected 0% Ceilulose 50% Mineral Wool 25% Mineral Wo	SV-3	23975		Red Fibrous Sheet Vinyl	None Detected	0%	*	Fiberglass 10%	62%
Room 204 Suspended Ceiling Tile Mineral Wool 25%  TR-1 23978 Second Floor Room 203 Grey Fibrous Cabinets/Fume Hood Cabinets/Fume Hood None Detected  DW-1 23979 Second Floor Room 214 Grey Fibrous Drywall None Detected 0% Cellulose 15%  VB-1 23980 Basement Room 003 Black Fibrous Vapor Barrier None Detected 0% Cellulose 22%  SPK-3 23981 Basement Room 003 White Spackle None Detected 0% None Detected 1	FOM-1	23976		Tan Foam Mastic	None Detected	0%	*	None Detected	100%
Room 203   Cabinets/Fume Hood	SCT-2	23977			None Detected	0%			25%
VB-1 23980 Basement Room 003 Black Fibrous Vapor Barrier None Detected 0% # Cellulose 22%  SPK-3 23981 Basement Room 003 White Spackle None Detected 0% None Detected 1	TR-1	23978			Chrysotile 26%	26%		Nane Detected	74%
Room 003  SPK-3 23981 Basement Room 003  White Spackle None Detected 0% None Detected 1	DW-1	23979		Grey Fibrous Drywall	None Detected	0%		Cellulose 15%	85%
Room 003	VB-1	23980		Black Fibrous Vapor Barrier	None Detected	0%	#	Cellulose 22%	78%
	SPK-3	23981		White Spackle	None Detected	0%		None Detected	100%
WG-1 23982 Exterior-Window Glaze White Window Glaze None Detected 0% None Detected	WG-1	23982	Exterior-Window Glaze	White Window Glaze	None Detected	0%		None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

#<1.0 % of sample remained after matrix reduction. TEM Analysis is not required or necessary.

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/21/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald -

Laboratory Results Approved By: 🖊

### PARADIGM Environmenta

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #1 - Research & Development

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/21/1999

Job Number:

94777

Page Number:

3 of 3

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
WAC-1	23983	Exterior-Wall Caulk	Grey Wall Caulk	None Detected	0%		None Detected	100%
DW-2	23984	Exterior-Siding Underneath Foam	Brown Fibrous Drywall	None Detected	0%		Cellulose 15%	85%
CA-1	23985	Exterior-Underneath Foam	Grey Cement Adhesive	None Detected	0%	*	None Detected TEM Neg	100%
CS-1	23986	Exterior-Siding	Grey Cement Siding	None Detected	0%		None Defected	100%
	· .							
		***************************************						

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/21/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #1 - Research & Development

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/21/1999

Job Number:

94827

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-1	24331	Room 116	White Fibrous Pipe Insulation	Chrysotile 80%	80%		None Detected	20%
			:					
-								

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

**□ate Analyzed:** 

04/23/1999

croscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

Laboratory Results Approved By:

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Rervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #1 - Research & Development

1000 Driving Park Avenue, Rochester, New York

Sample Date:

06/16/1999

Job Number:

97194

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
MON-2	40601	1st Floor Room 116	Grey Fibrous Spray-On Monokote	None Detected	0%		Cellulose 36% Fiberglass 6%	58%
MON-3	40602	1st Floor Corridor 121	Grey Fibrous Spray-On Monokote	None Detected	0%		Cellulose 35% Fiberglass 6%	59%
			-					

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

06/21/1999

croscope:

Olympus BH-2 #232953

Analyst:

Mary Dohr

Laboratory Results Approved By:

Sample Date: 5/99-6/99

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

## T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Page Number: 1 of 5

		·			alysis	
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type	
смм-1 В-I	23965	First Floor Main Entry	Beige Cove Molding Mastic	<1.0%	None Detected	
CMF-1 B-l	23966	First Floor Main Entry	Beige Carpet Mastic	<1.0%	None Detected	
SV-1 B ·	23968	First Floor Stairtower	Orange Stair Tread Sheet Vinyl	<1.0%	None Detected	
svm-1 B-1	23969	First Floor Stairtower	Black Stair Tread Sheet Vinyl Mastic from Sample 23968	<1.0%	None Detected	
<b>sv-2</b> B-1	23970	First Floor Room 102	Grey Fibrous Battleship Sheet Vinyl	<1.0%	None Detected	
B-1	23975	First Floor Corridor 121	Red Fibrous Sheet Vinyl	<1.0%	None Detected	
FOM-1 B-1	23976	First Floor Room 117	Tan Foam Mastic	<1.0%	None Detected	
CA-1 B-1	23985	Exterior-Underneath Foam	Grey Cement Adhesive	. <1.0%	None Detected	
RM-1 B-2	24266	Roof-Field	Black Fibrous Membrane	<1.0%	None Detected	
IM-1 B-久	24274	Penthouse Mastic Underneath Insulation	Tan Insulation Mastic	<1.0%	None Detected	

**ELAP ID No.: 10984** 

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

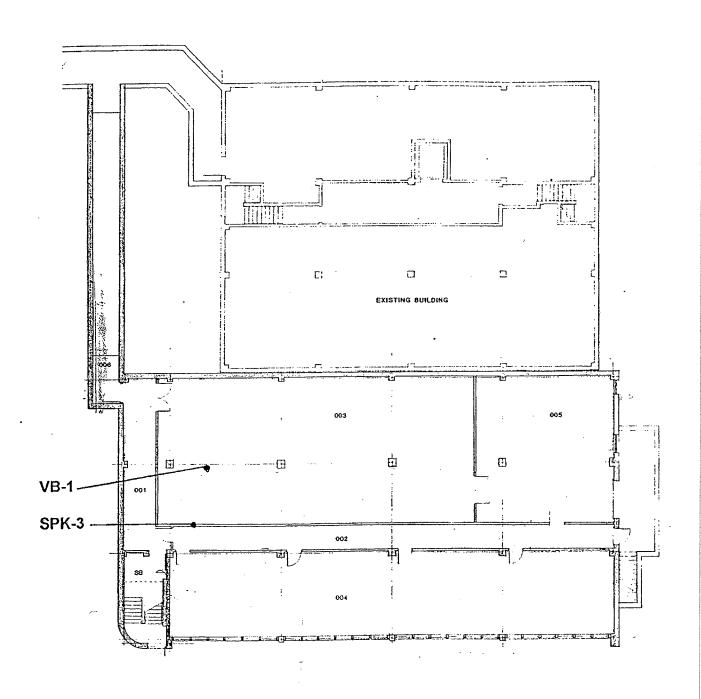
TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

Date Analyzed:

Analyst:

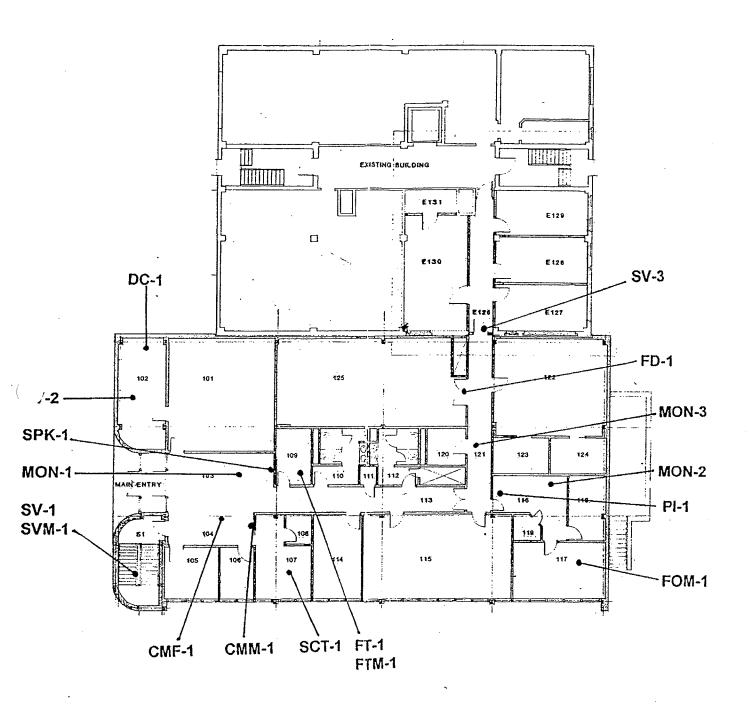
07/09/1999 Tim Wilhelm

Laboratory Results Approved By:



**BASEMENT** 

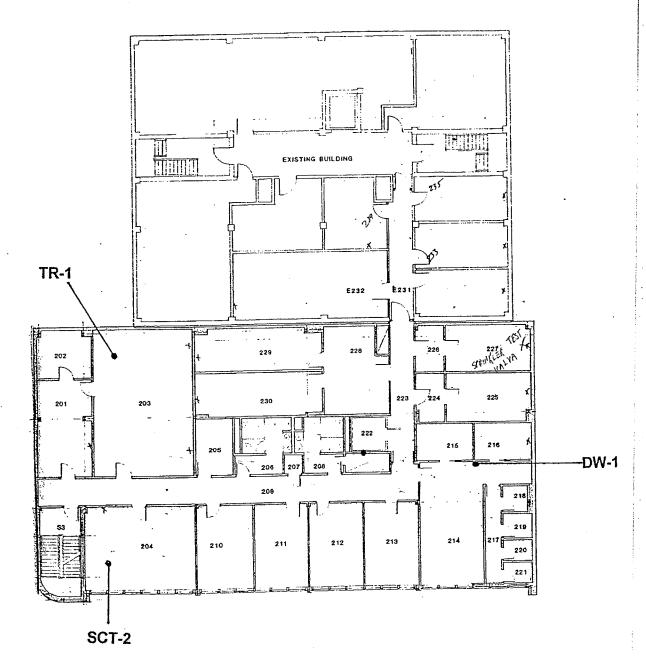
B-1



FIRST FLOOR

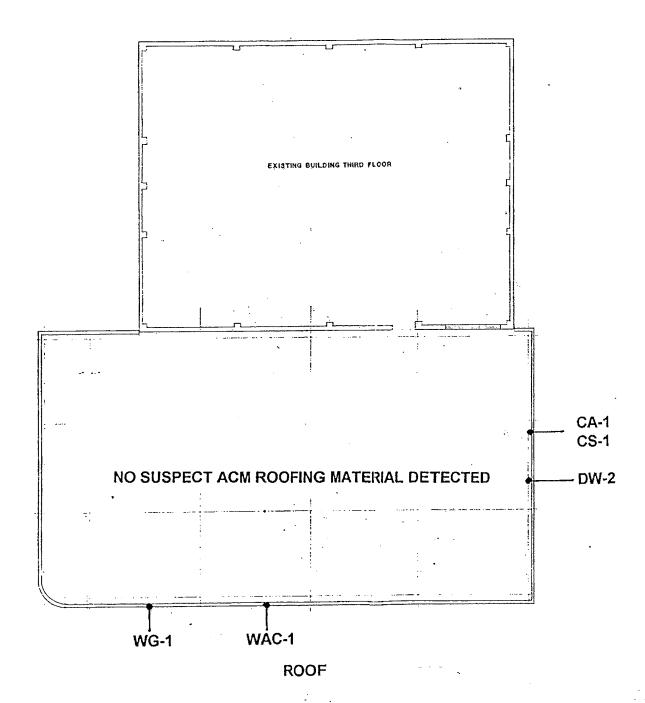
B-1

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



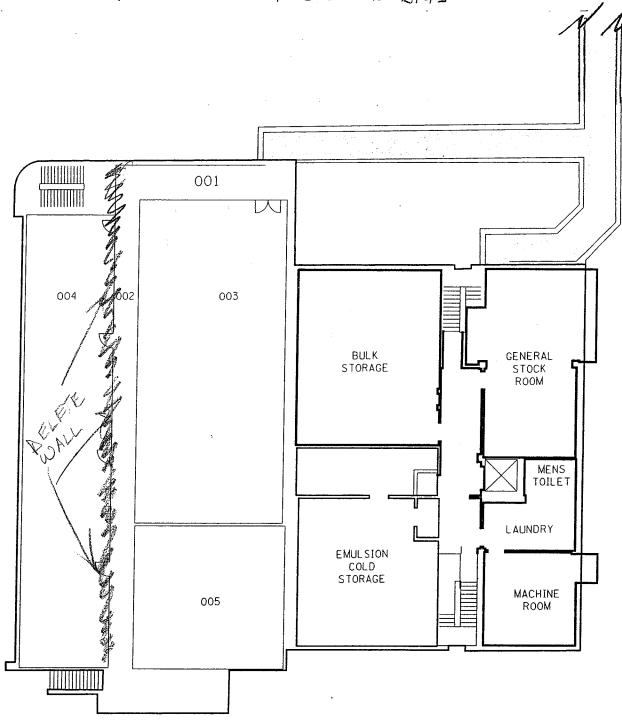
SECOND FLOOR

B-1



B-1

Mr LING PLAN \_OPMENT BUILDING #1 BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK APPROXIMATE LOCATIONS OF TUNNELS CONTAMINATED WITH ASPESTOS DEBRIS



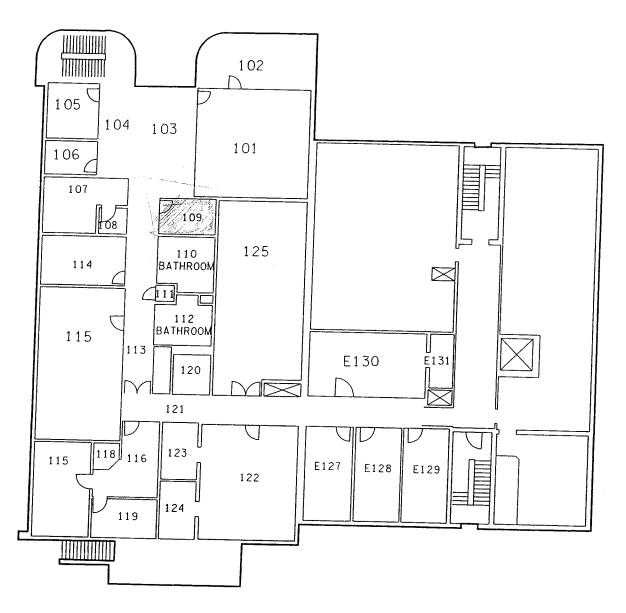
BUILDING #1 R&D ADDITION BASEMENT

BUILDING #2 EMULSION BUILDING BASEMENT

AA.O.

1'= 20

# 



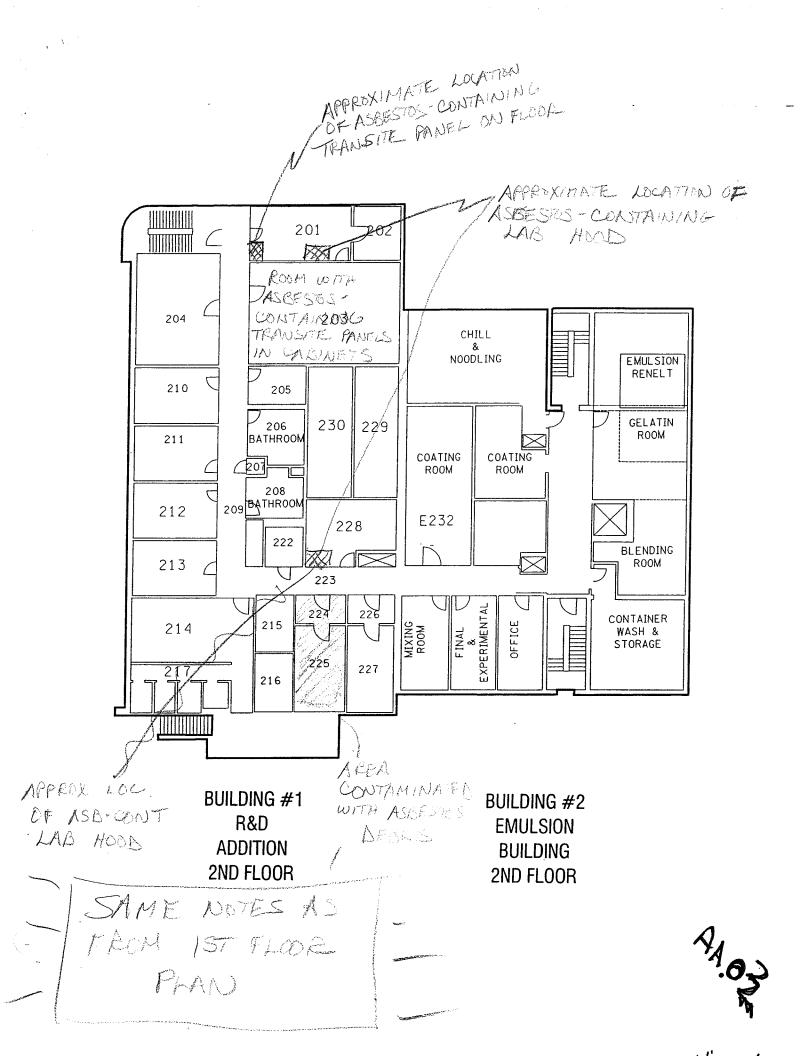
BUILDING #1 R&D ADDITION 1ST FLOOR

BUILDING #2 EMULSION BUILDING 1ST FLOOR

CAULK ON BUILDING # I IS ASSESTOS CONTAINING

- ALL HVAC DUCT CAULK IN BLULDING #IS ASBESTOS - CONTAINING





## **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

50609 LBL JOB#

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288 phase 2

CLIENT: Labella Associates, PC

909

ADDRESS: 300 State Street

SAMPLE TYPE: PLM Bulk

Rochester, NY 14614

SAMPLE DATE: 09/10/2009

PROJECT LOCATION: Photech - Building #1

TROSECT LOCATION.		7		2		3			
FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
BLDG1-1A	50609-1	P	ND		CELLULOSE	12	MINERAL	88	WHITE FIRE DOOR INSULATION
BLDG1-1B	50609-2	P	ND		CELLULOSE	14	MINERAL	86	WHITE FIRE DOOR INSULATION
BLDG1-2A	50609-3	N	CHRYSOTILE	18	ND		MIN/BINDER	82	GRAY CAULK
BLDG1-2B	50609-4	N	CHRYSOTILE	16	ND		MIN/BINDER	84	GRAY CAULK
BLDG1-3A	50609-5	Т	ND		SYNTHETIC	25	RUBBER	75	GRAY CONVEYOR BELT
BLDG1-3B	50609-6	Т	ND		SYNTHETIC	25	RUBBER	75	GRAY CONVEYOR BELT
BLDG1-4A	50609-7	N	AMOSITE	16					
BLDG1-4A	50609-7	N	CHRYSOTILE	14	CELLULOSE	7	MIN/TAR	63	GRAY DEBRIS
BLDG1-4B	50609-8	N	AMOSITE	15					
BLDG1-4B	50609-8	N	CHRYSOTILE	13	CELLULOSE	8	MINERAL	64	GRAY DEBRIS
BLDG1-5A	50609-9	P	ND		ND		MINERAL	100	GRAY FIREPROOFING DEBRIS
BLDG1-6A	50609-10	P	ND		ND		MINERAL	100	GRAY GROUT
BLDG1-6B	50609-11	P	ND		ND		MINERAL	100	GRAY GROUT
BLDG1-7A	50609-12	P	AMOSITE	50	ND		MINERAL	50	WHITE DEBRIS
							,		
									,

PLM Method EPA 600/M4/82/020

Lab Supervisor:

ND - None Detected CELL-Cellulose JC - Joint Compound

MIN - Mineral GLASS - Fiberglass

<1 = Trace

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

PLAS - Plaster

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

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Location: PHOTECH - BLOG T  Job No.: Zoq 788   Z  PIN/ BIN: Sampled by: Mitch Smith  Date: 9//o   O 9  LaBella Lab No.: 50609  Positive Stop Protocol: Yes No Number of Samples:  Type of Support ACM to Approx											
Field ID#	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition							
BLDG1-1A	INSIDE OF FIRE ADOR LEADING TO ROOM 101	DOOR INSULATION									
	11 4 1 11 11 11 11 11 11 11 11 11 11 11										
	EXT SOUTH WALL BETWEEN WINDOW FRAME + EXT WALL	GRAY/BROWN CAULK									
 	- 18 H	00 A									
3A 3B	BSMT RLDG 1 NEAR EXIT DOOF	CONVEYOR BELT									
-4B	BSMT TUNDEL ON FLOOR	MISC, DEBRUS									
	ROOM 203 ON TOP OF METRIL CABINET	(FIREPROBFING)									
~6A	FLOOR IN 2ND FLOOR MENS EM	CREY CERAMIC TILE CYROUT									
<u>-68</u>	11 LADIESRM	11 //									
-7A	FLOOR IN RM 225	WHITE DERFIS									

9

10

11

## **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

LBL JOB #	53909

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288.03 phase 1

CLIENT: Labella Associates, PC

539

ADDRESS: 300 State Street

SAMPLE TYPE: PLM Bulk

Rochester, NY 14614

SAMPLE DATE: 09/18/2009

PROJECT LOCATION. Photech - Building #1

PROJECT LOCATION:	1 11010011		illuing // I					***************************************	
**************************************		Poc	ASBESTOS		OTHER				
FIELD ID	LBL ID	method	TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
BLDG1-8A	53909-1	Т	ND		ND		MIN/BINDER	1	GRAY GLUE
								ļ	
MATTER PLANT AND ADDRESS AND A									
•									
- Transference Anna Control Ann					×				
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					11 April				
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[	- 45.00						· ·		
		$\vdash$							
								Ì	

DT 1 (	3 / /1 1	TT	COOR E 4 100 1000	
PLM	Method	EPA	600/M4/82/020	

Lab Supervisor:

- 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.

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Location: PHOTECH - DLDG #1	Client: LBA
Job No.: 209288, 03 /PHASE I	Rates: SAME AS LBL 50609
PIN/ BIN:	Sampled by: Tom Kihn
Date: 9/18/09	Relinquished by: Tom Kihn
LaBella Lab No.: 53909	Received by: Matt Smith
, , , , , , , , , , , , , , , , , , , ,	Number of Samples:

Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition
BLD61-8A	ON GROUND ON FACADE MATERIAL	GRAY GLUE		
			-	
* .				



## PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Location:

Former Photech Imaging Systems

Building 1, Exterior

Sample Date:

6/10/2008

Job No:	6609-08
Page:	1 of 2

				PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
Client ID	1 - h 1D	0	<b>D</b>	Asbestos	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Chentib	Labib	Sampling Location	Description	Fibers Type &	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
				Percentage					Percentage	%
CEM-001	38504	Siding on West Side	Gray Cement	None Detected	0%		Not Required	N/A	Fiberglass 5%	95%
CEM-002	38505	Adhesive on West Side	Gray Cement	None Detected	0%		Not Required	N/A	None Detected	100%
DWL-003	38506	West Side Under Cement Siding	Brown Drywall	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
EXJ-004	38507	West Side	Brown Expansion Joint	None Detected	0%		Not Required	N/A	None Detected	100%
N2/10				L						<u> </u>

NALVÕ

Lab Code 200530-0 for PLM Analysis

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.").

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

\*\* 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: 6/16/2008

TEM Date Analyzed:

N/A

Microscope:

Olympus BH-2 #234206

TEM Analyst: N/A

PLM Analyst:

B. 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.

**ELAP ID No.: 10958** 

Clien	H H
Client: City of Rochester	IAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS
Contact	Y FOR PLM
: Joseph Biondolillo	ASBESTOS
iilo	ANAL YSIS
	OFFICE USE

	-	SAMPLES IN SURVEY:	SAMPLES	Received By: Oul Dawrey Date: 1/0/11/68 TOTAL NUMBER OF SAMPLES IN SURVEY:	Date: 6/11/68	2	Meddawra	Received By:	Rece
	EM ON NOBS ney	ERFORM TEM Paul Mahoney	ATICALLY P	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name: Paul Mahoney	Date: 6/10/08 0	Ted Knapp		Transported to Paradigm By:	ran
BULKS ONLY	BULI	X	SURVEY	CHECK ONE:	Date: 6/10/08		Ted Knapp	Sampled By: Ted	sam,
									10
									9
									∞
									7
									6
									S
Non-Friable	EXJ		Brown		Westside		587	EXJ-004	4
Friable	DWL		Brown		Westside, under cement siding	N N	506	DWL-003	\w
Non-Friable	CEM		Gray	white styrofoam	Adhesive on westside		505	CEM-002	2
Non-Friable	CEM		Gray		Siding on westside		38504	CEM-001	1
l Friability	Material	Size	Color	Do not Analyze	Sampling Location		Lab ID	Client ID	-
					ior	g 1, Exterior	tion: Building 1,	General Location:	_
(		<b>5</b> ,	08/0486	Project Number:	Project Location: Former Photech Purple Report Former Photech Project Location: Proj	Project Imaging	14	Rochester, NY 14614	och
	Logged In By:	×	ity: 3 × TEM	Material Type/Quantity: Friable X NOB	Date Sampled: 6/10/08 Fi	Date Sa	0-B	City Hall Room 300-B	City
Date Logged In: 0/11/08	Date Logge	Other		Turn Around Time:	Ted Knapp	Results To:		Client Mailing Address: 30 Church Street	0 C
	Page (			Fax Number:	49		chester, NY 14608 x 585.454.1062	145 Lake Avenue, Rochester, NY 14608 585.454.1060 * Fax 585.454.1062	4.
80-00	Job #: (c		Siondolillo	ontact: Joseph E	Client: City of Rochester   Contact: Joseph Biondolillo	Client:	OY	ENVOY environmental consultants, inc	

## **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

LBL JOB #	70209

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288.03

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

SAMPLE DATE: 11/09/2009

Rochester, NY 14614

PROJECT LOCATION:	Photech	Programme							
	<b>****</b> ********************************	nethod	ASBESTOS	ontyre	OTHER				
FIELDID	LBL ID	me	TYPE	%	FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
1A	70209-1	T	ND		CELLULOSE	38	TAR	62	BLACK MEMBRANE B-1 Floor Core BLACK MEMBRANE B-12 Floor Core BLACK MEMBRANE B-16 Floor Core
2A	70209-2	G	ND		ND		RUBBER	100	BLACK MEMBRANE 8-12 Floor Core
3A	70209-3	T	ND		CELLULOSE	40	TAR	60	BLACK MEMBRANE B-16 Floor Gre
	-1500								
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							140		
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PLM Method EPA 600/M4/82/020

Lab Supervisor:

- 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.

<sup>\*&</sup>quot;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 1

# ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

PIN/ BIN: Date: LaBella Lab N Positive Stop P	otech 9 288.03	Rates: Sampled by: Relinquished by: Received by: Matt s Number of Samples	Client: C. of Rochester  Rates:						
Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Condition						
D /A	Bldg. 1, Basement, Floor Core Membrane	Menpoane	Amount						
2 A	Bldg. 2 12, Chem. Robm, Floor Core Wembrane	Membrane							
<u>3A</u>	Bldg 16, Basement, Floor Core Membrane	Membrane_							

#### **BUILDING #10 - KATHABAR**

Materials Sampled

Brown Expansion Joint White Mudded Joint Packing Black Roof Membrane Black Roof Flashing

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

### **ASBESTOS CONTAINING MATERIALS**

#### **GROUND LEVEL**

Kathabar

White Pipe Insulation

50

linear feet

ROOF

Roof

Black Roof Flashing

100

square feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

## MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

Weg Paradigm 6673-08

#### **EXTERIOR**

Exterior

Brown Expansion Joint

100

linear feet

<sup>\*</sup>All quantities are approximations.

#### PARADIGM Environmenta

## <u>Environmenta</u>

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Pervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95006

Building #10 - Kathabar

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/27/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description _	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
MJP-1	25497	Kathabar Tanks	White Fibrous Mudded Joint Packing	None Detected	0%		Cellulose 11% Fiberglass 7%	82%
-								
	<b>.</b>							
·								
							FI AP ID No : 10958	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

04/27/1999

croscope:

Olympus BH-2 #232953

Analyst: Patrick Fitzgerald

Laboratory Results Approved By:

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

94953

Building #10 - Kathabar

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/21/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	E M		Matrix Material %
RM-1	24189	Roof Field	Black Fibrous Membrane	None Detected	0%	*	Cellulose 28% Fiberglass 5% TEM Neg	67%
RF-1	24190	Roof Flashing	Black Fibrous Flashing	Chrysotile 18%	18%		Cellulose 20%	62%
						<u> </u>		
·								
							ELAP ID No.: 10958	

**ELAP ID No.: 10958** 

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Pate Analyzed:

04/26/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

## <u>PARADIGM</u>

#### **Environmenta**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Gervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95129

Building #10 - Kathabar

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/30/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
EJ-1	26357	Exterior	Brown Expansion Joint	None Detected	0%	*	None Detected	100%
							,	
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	I	<u> </u>			·		ELADID No : 10058	-l

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

05/05/1999

!croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By: \_

M. John

**Environmental** 

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

#### T.E.M. Results

**Client:** 

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Sample Date: 5/99-6/99

Job No:

Page Number: 3 of 5 **TEM Analysis** Description Total Asbestos Asbestos Sampling Location Client ID Lab ID Type Black/Silver Fibrous Tar Paper <1.0% None Detected 25238 Mezzanine - Coating Alley Behind TAR-1 Plaster **B-7** None Detected <1.0% RM-1 25192 Roof Field Black Fibrous Membrane B-9 None Detected TKIM-A.1 25193 Kathabar Holding Unit Tan Tank Insulation Mastic (Layer 1) <1.0% B-9 None Detected TKIM-A.2 25194 Kathabar Holding Unit Tan Tank Insulation Mastic (Layer 2) <1.0% R-9 <1.0% None Detected 24189 Roof Field Black Fibrous Membrane RM-1 R-10 None Detected <1.0% CTM-1 26327 Basement Black Ceramic Tile Mastic Men's Shower B-11 None Detected Grey 12" x 12" Floor Tile <1.0% FT-1 26335 1st Floor Lab Room B102 B-11 Tan Floor Tile Mastic from Sample <1.0% None Detected FTM-1 26336 1st Floor Lab Room B102 B-11 None Detected <1.0% Brown Cove Molding Mastic CMM-1 26337 1st Floor Lab Room B102 B-11 None Detected <1.0% RM-1 25576 Roof Field Black Fibrous Roof Felts Roof 1 B-12

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4. N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

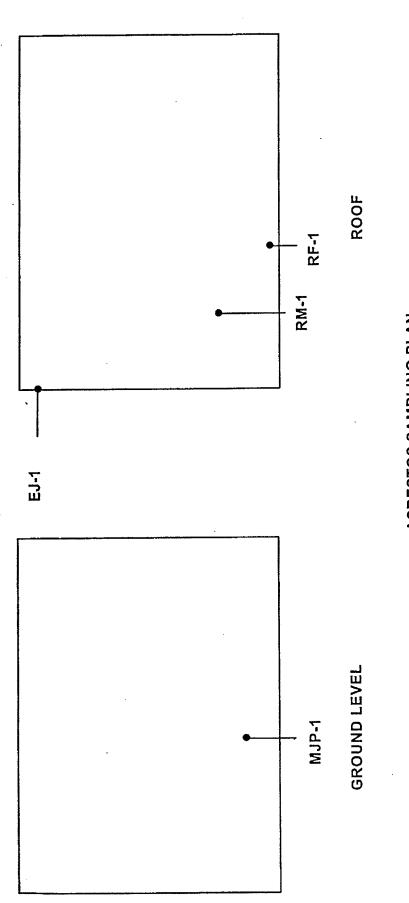
Date Analyzed:

07/09/1999

Analyst:

Tim Wilhelm

Laboratory Results Approved By:



ASBESTOS SAMPLING PLAN KATHABAR BUILDING # 10 BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

PREPARED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999

## **BUILDING#9-KATHABAR**

## **Total Asbestos Containing Materials:**

Roof Flashing

100

square feet

# **BUILDING# 10 - KATHABAR**

# Total Asbestos Containing Materials:

Pipe Insulation 50 linear feet
Roof Flashing 100 square feet

Total Materials to be Treated as Asbestos Containing:

Expansion Joint 100 linear feet



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

#### PLM & TEM BULK ASBESTOS REPORT

Client: Location: City of Rochester

Former Photech Imaging

Building 10, Exterior

**Sample Date: 6/11/2008** 

Job No: 6673-08

Page: 1 of 2

				PLM	PLM	N	TEM	TEM	PLM	PLM
				Asbestos	Total	О	Asbestos	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Fibers Type &	Asbestos	Fibers Type &	Material
				Percentage			Percentage		Percentage	%
WAC-001	38902	Northwest Corner	Brown Wall Caulk	Inconclusive	0%	,	None Detected	<1.0%	None Detected	100%
				No Asbestos Detected	:	1				
WAC-	38903	Northwest Corner	Brown Wall Caulk	Inconclusive	0%		None Detected	<1.0%	Fiberglass <1.0%	100%
001A				No Asbestos Detected		1				
									-	
					<u>.</u> l					

**QAJVN** 

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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

\*\* 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: 6/13/2008

TEM Date Analyzed: 6/13/2008

Microscope:

Olympus BH-2 #234206

TEM Analyst: F. Childs

PLM Analyst:

B. 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. ethical provide and a reference that a ball our transfer things in the case of the case of the case of the case

	YOVA F		Client:	Contact:				
	environmental consultants, inc.	ısultants, inc.	City of Rochester		Biondelillo		Job #: (ol	6673-08
200	5 Lake Avenue, Rochester, NY 14608	hester, NY 14608	umber:	Fax Number:			<i>\</i>	
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) 1			Date Sampled:	Material Type/Quantity:	ty:		•	. `
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1			Project Location:	Project Number:				
रा अपूर्व			Former Photech Imaging	080486				
	General Location:	tion: 1914	10 Exterior					
\$ 15.5°	Client ID	1 '9	Sampling Location	Do not Analyze	Color	Size	Material	Friability
14	1 W. W. C. C. C. C.	38902	Verthingst Corner		BRN		WRC	2
	Alcoco Datin Z	902	7		BRN		N.A.C	3
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œ	Riceived By:	. (%)	Date: (a) 124 N. 8	TOTAL NUMBER OF SAMPLES IN SURVEY:	F SAMPLES IN SU	JRVEY:		<u> </u>
		くべく			4 4 4 4 4 4 4 4 4	A polloca	trained and authorized nersonnel	and personnel

OFFICE USE ONLY

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

were gasterness in

Centainerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized per unger regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

#### **BUILDING #11 - CHEMICAL LAB**

**Materials Sampled** 

White Pipe Insulation

Black Ceramic Tile Mastic

Grey Duct Cloth Expansion Cloth

Grey Window Glaze

Red Duct Caulk

White Tank Covering

Orange Sheet Vinyl

Tan Sheet Vinyl Mastic

Grey 12" x 12" Floor Tile

Tan Floor Tile Mastic

Brown Cove Molding Mastic

Brown 12" x 12" Floor Tile

Black Floor Tile Mastic

White Fire Door Insulation

Grey Transite Cabinet Liner

**Black Roof Felts** 

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

#### **ASBESTOS CONTAINING MATERIALS**

#### **BASEMENT**

Roof

Throughout Basement	White Pipe Insulation Grey Window Glaze	800 200	linear feet square feet
Debris on Floor	White Pipe Insulation	2,000	linear feet
Room B-4	Grey Expansion Cloth	4	square feet
1ST FLOOR			
Throughout 1st Floor	White Fire Door Insulation White Pipe Insulation	420 160	square feet linear feet
Office B103	Brown 12" x 12" Floor Tile & Mastic	225	square feet
Labs B108 & 109	Grey Transite (Cabinet liners and hoods and exterior of hoods)	300	square feet
ROOF	,		
Roof	Black Roof Flashing	300	square feet
			• .

Black Roof Membrane

square feet

4,200

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

### MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

#### **BASEMENT**

Room B-4 Red Duct Caulk 10 linear feet

Stairway Orange Sheet Vinyl & Mastic 130 square feet

<sup>\*</sup>All quantities are approximations.

## **BUILDING# 11 – CHEMICAL LAB**

### **Total Asbestos Containing Materials:**

Pipe Insulation	2,960	linear feet
Transite	300	square feet
Window Glaze	200	square feet
Fire Door Insulation	420	square feet
Floor Tile and Mastic	225	square feet
Roof Flashing	300	square feet
Roof Membrane	4,200	square feet
Total Materials to be Treated as Asbestos Containing:		
Duct Caulk	10	linear feet
Sheet Vinyl & Mastic	130	square feet

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

Brownfield Restoration Group, LLC

Location:

Former Photech Imaging Systems

Building #11 - Chemical Lab

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/30/1999

Job Number:

95125

Page Number:

1 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	E	Non-Asbestos Fibers Type & Percentage	Matrix Materia %
				rescentage		М	reicemage	"
PI-1	26326	Basement Maintenance Shop	White Fibrous Pipe Insulation	Chrysotile 25% Amosite 30%	55%		None Detected	45%
CTM-1	26327	Basement Men's Shower	Black Ceramic Tile Mastic	None Detected	0%	*	None Detected TEM Neg	100%
EC-1	26328	Basement Room B-4	Grey Fibrous Duct Expansion Cloth	Chrysotile 20%	20%		Cellulose 45%	35%
WG-1	26329	Basement Room B-4	Grey Window Glaze	Chrysotile 2%	2%		None Detected	98%
DC-1	26330	Basement Room B-4	Red Duct Caulk	None Detected	0%	*	None Detected	100%
TKI-1	26331	Basement Room B-2	White Fibrous Tank . Covering	None Detected	0%		Cellulose 45% Mineral Wool 30%	25%
TKI-2	26332	Basement Room B-2	White Fibrous Tank Covering	None Detected	0%	-	Cellulose 35% Fiberglass 15% Wollastonite 10%	40%
SV-1	26333	Basement Stairway	Orange Sheet Vinyl	None Detected	0%	*	None Detected	100%
SVM-1	26334	Basement Stairway	Tan Fibrous Sheet Vinyl Mastic from Sample 26333	None Detected	0%	*	Wollastonite 25%	75%
FT-1	26335	1st Floor Lab Room B102	Grey 12" x 12" Floor Tile	None Detected	0%	*	None Detected TEM None	100%

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

nate Analyzed:

05/06/1999

croscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

Laboratory Results Approved By: \_

#### PARADIGM Environmenta

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95125

500000111

Building #11 - Chemical Lab

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/30/1999

Page Number:

2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos	Total	ΙΤ	Non-Asbestos	Matrix
Olielit ID	1	aginhing rocation	Description	Fibers Type &	Asbestos	E	Fibers Type &	Materia!
				Percentage		M	, ,,	%
	L					'"		"
FTM-1	26336	1st Floor	Tan Floor Tile Mastic from	None Detected	0%	*	None Detected	100%
	:	Lab Room B102	Sample 26335		i		TEM	
l		•		•			Near	
	26337	1st Floor	Brown Cove Molding Mastic	None Detected	0%	<b>+</b>	None Detected	100%
CMM-1	20337	Lab Room B102	Brown Cove Molding Mastic	Mous Defected	0%	*		100%
ļ	1	Lab Room B102	· 1			1	TEM	
							Neg	
FT-2	26338	1st Floor	Brown 12" x 12" Floor Tile	None Detected	0%	*	None Detected	100%
		Office B103			ł			
		1			1			<b>i</b>
FTM-2	26339	1st Floor	Black Floor Tile Mastic from	Chrysotile 15%	15%	1-	None Detected	85%
F 1 1V1-2	20000	Office B103	Sample 26338	Cillysothe 1570	15%		None Detected	00%
	1	Cince Broo	Gample 20000			1		
			·					
FD-1	26340	1st Floor	White Fibrous Fire Door	Chrysotile 15%	23%		Cellulose 10%	47%
	[	Office B103	Insulation	Amosite 8%			Mineral Wool 20%	<b>[</b>
								<b>j</b>
TR-1	26341	1st Floor	Grey Fibrous Transite	Chrysotile 25%	25%	$\vdash$	None Detected	75%
1 17-1	20011	Analytical Lab B108	Cabinet Liner	Om you all 2010	20%	1	Tronc Belevica	'`"
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							FLAP ID No : 10958	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

05/06/1999

croscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

Laboratory Results Approved By: \_

# <u>PARADIGM</u>

### **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Rervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95007

Building #11 - Chemical Lab

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/27/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
RF-1	25498	Roof Flashing	Black Fibrous Felts	Chrysotile 16%	16%		Cellulose 10%	74%
RM-1	25499	Roof Field	Black Fibrous Felts	Chrysotile 15%	15%		Cellulose 10%	75%
			·					
,								
							ELAP ID No : 10058	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

04/27/1999

croscope:

Olympus BH-2 #232953

Analyst: Patrick Fitzgerald

Laboratory Results Approved By:



#### PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6606-08

Location:

Former Photech Imaging Systems

Page: 1 of 2

**Building 11** 

Sample Date:

6/10/2008

Exterior

				PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
				Asbestos	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
				Percentage			:		Percentage	%
CLK-001	38495	Off Limestone Debris on Ground	White Fibrous Caulk	Chrysotile 14%	14%		Not Required	N/A	None Detected	86%
CLK-002	38496	Westside Around Door	Gray Caulk	Chrysotile 3%	3%	1	Not Required	N/A	None Detected	97%
WAC-003	38497	Westside on Block Wall	White Wall Caulk	Inconclusive No Asbestos Detected	0%	1	None Detected	<1.0%	None Detected	100%
TRN-004		Westside Covering Windows	Gray Fibrous Transite	None Detected	0%		Not Required	N/A	Cellulose 15% Wollastonite 20%	65%
WIG-005	38499	Westside	Gray Window Glaze	Chrysotile 4%	4%		Not Required	N/A	None Detected	96%
FDI-006	38500	Eastside	Brown Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 90%	10%

ΝΛ[Ρδ

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

**√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.** 

\*\* 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: 6/13/2008

TEM Date Analyzed: 6/16/2008

Microscope:

Olympus BH-2 #233173

TEM Analyst: F. Childs

PLM Analyst:

F. Childs

Laboratory Results Approved By: Asbestos Technical Director

Mary Dohr

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CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS

6/10/08

Date:

Ted Knapp

S∥mpled By:

Paul Mahoney

TOTAL NUMBER OF SAMPLES IN SURVEY:

or provide TEM contact name:

6/10/08

Date:

Ted Knapp

Tansported to Paradigm By:

Date:

		CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	R PLM ASBES	TOS ANA	SISATI	OFFICE USE ONLY	SE ONLY	
ENVOY	$\Lambda$	Client: City of Rochester	Contact: Joseph I	Joseph Biondolillo				
environmental consultants, inc.	tants, inc.					(O(O))	80-010010)	_
<sup>7</sup> 145 Lake Avenue, Rochester, NY 14608 585.454.1060 * Fax 585.454.1062	ter, NY 14608 5.454.1062	Phone Number: 428-6649	Fax Number:				60	
Cient Mailing Address:		Results To: Ted Knapp	Turn Around Time:					
3্ Church Street			1 2 3	5 X Other	Ę	Date Logged In: $l_{ heta}/u/\eta \lesssim$	20/11/01	
		Date Sampled: 6/10/08	I Type/Q	tity:		•	1 2 2 1 2 2	
ity Hall Room 300-B			Friable X NOB	$B \times TEM$	×	Logged In By:	\  -	
Fochester, NY 14614		Project Location: Former Photech Imaging Systems	Project Number:	08/0486			ე ე	
General Location:	n: Building 11	.1						
Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability	
CLK-001	38495	Off limestone debris on ground		White		CLK	Non-Friable	ole
CLK-002	064	Westside around door		Gray		CLK	Non-Friable	ole
WAC-003	197	Westside on block wall		White		WAC	Non-Friable	ole
TRN-004	198	Westside covering windows	* dear olk	Gray		TRN	Non-Friable	ole
WIG-005	ЬЬН	Westside		Gray		WIG	Non-Friable	ble
FDI-006	500	Eastside		Brown		FDI	Non-Friable	ple
in the second								
- 37 s-								
	A CONTRACTOR OF THE PROPERTY O		a and Allia de Allia (Calaba Sanda) (Follow Calaba Sanda (Alba Sanda Sanda Sanda Sanda Sanda Sanda Sanda Sanda			HANNE HANNE CHANNES AND HANNE HANNE COMMERCE AND	zani sa	
III. THE REPRESENTATION OF A STANDARD REPRESENTATION OF THE REPRES	or stated his entering scatter and the second secon		CHECK ONE:	SURVEY		BULKS ONLY	NL Y	

Intainerized referrals attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard) Insceived By Colle

\* per ted Knapp whiles fso

# Environmental

#### 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

# T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems
1000 Driving Park Avenue, Rochester, New York

Job No:

Sample Date: 5/99-6/99

Page Number: 3 of 5

					nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
TAR-1 B-7	25238	Mezzanine - Coating Alley Behind Plaster	Black/Silver Fibrous Tar Paper	<1.0%	None Detected
RM-1 B-9	25192	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
TKIM-A.1 B-9	25193	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 1)	<1.0%	None Detected
TKIM-A.2 B-9	25194	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 2)	<1.0%	None Detected
RM-1 B-10	24189	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
CTM-1 B-U	26327	Basement Men's Shower	Black Ceramic Tile Mastic	<1.0%	None Detected
FT-1  } -	26335	1st Floor Lab Room B102	Grey 12" x 12" Floor Tile	<1.0%	None Detected
FTM-1 B-(1	26336	1st Floor Lab Room B102	Tan Floor Tile Mastic from Sample 26335	<1.0%	None Detected
CMM-1	26337	1st Floor Lab Room B102	Brown Cove Molding Mastic	<1.0%	None Detected
RM-1 B-12	25576	Roof Field Roof 1	Black Fibrous Roof Felts	<1.0%	None Detected

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

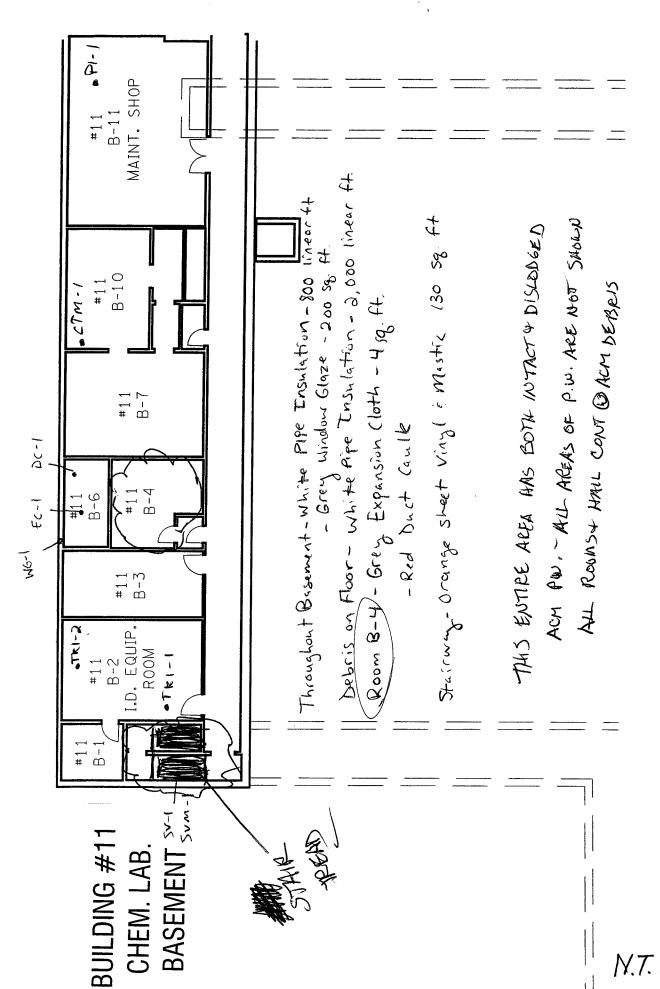
Date Analyzed:

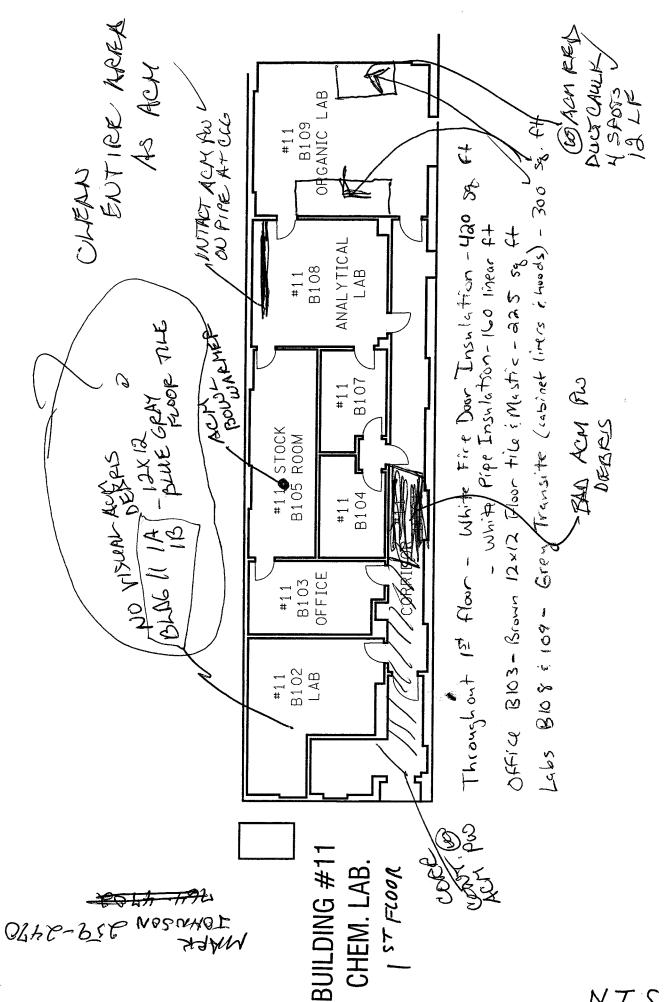
07/09/1999

Analyst:

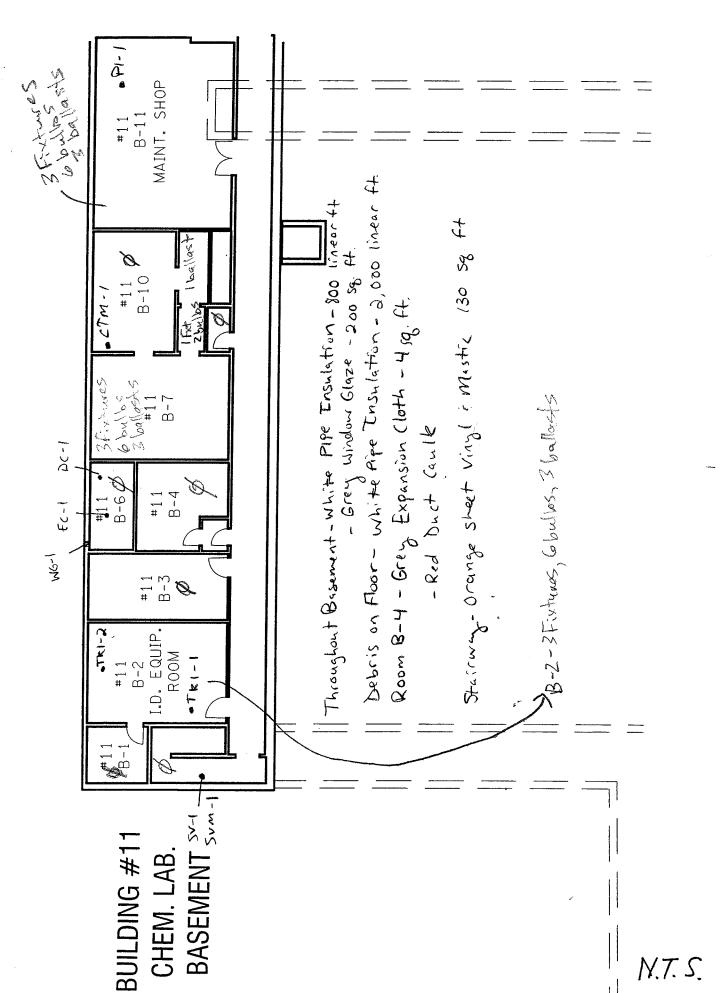
Tim Wilhelm

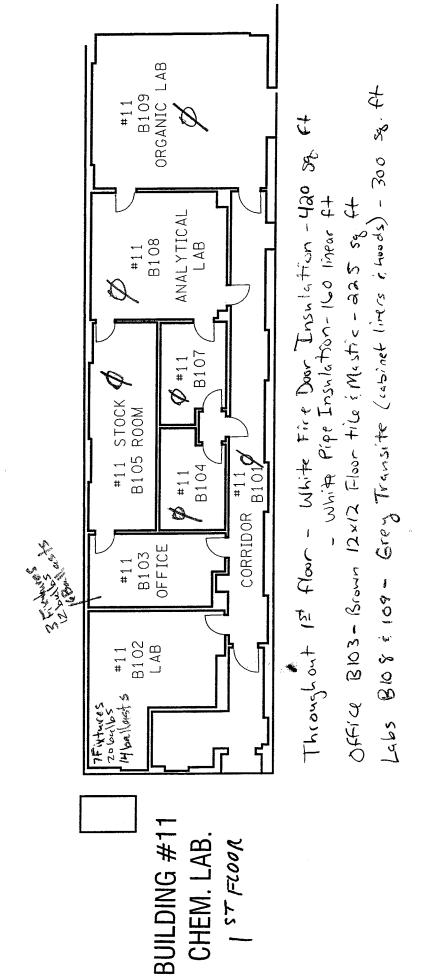
Laboratory Results Approved By:

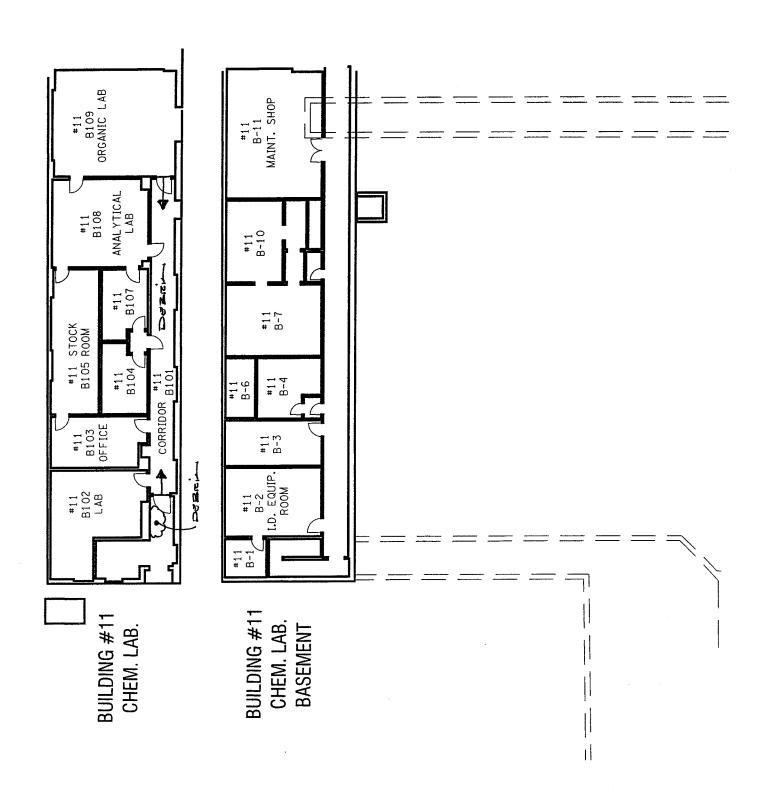




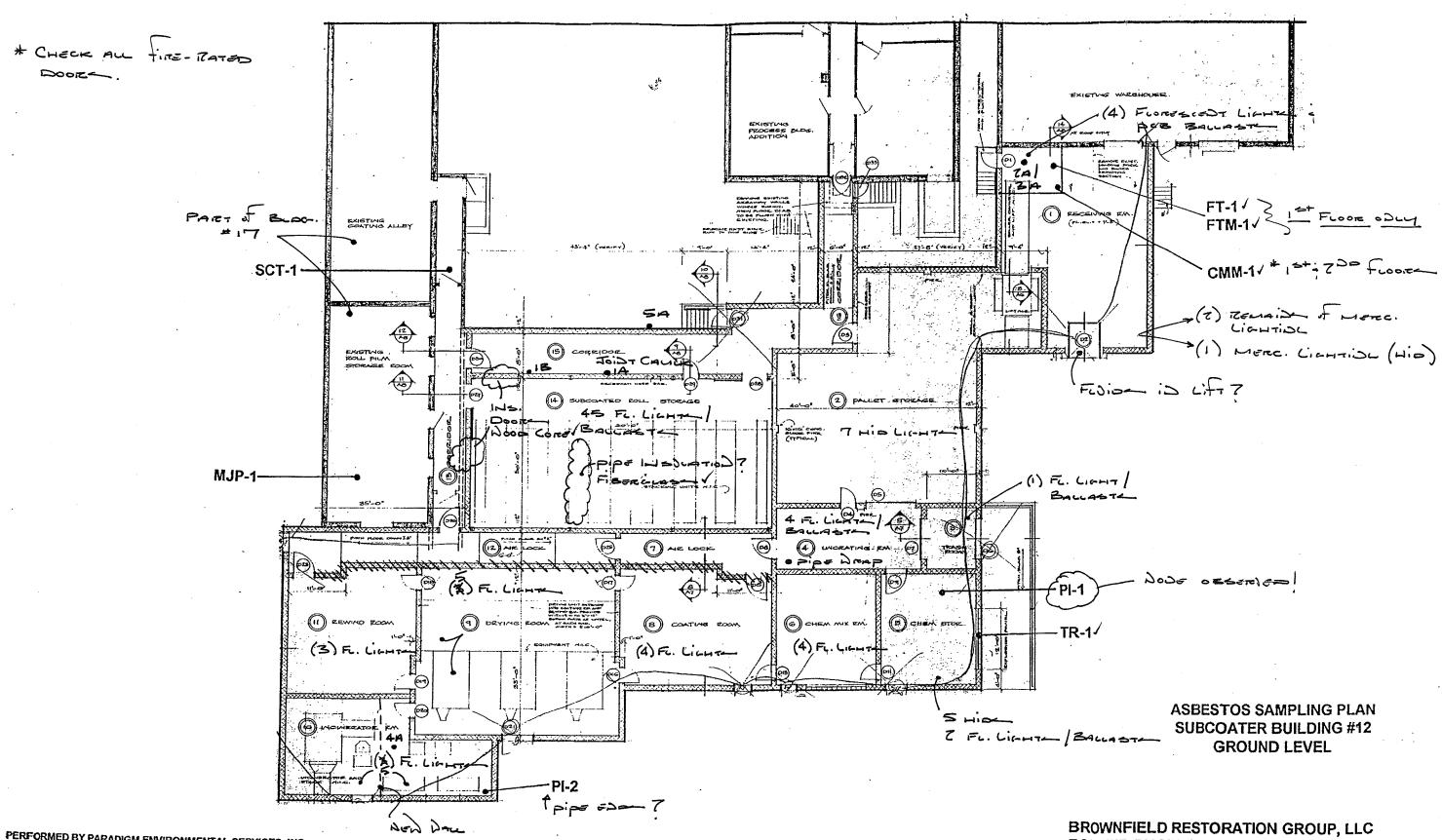
N.T.S.





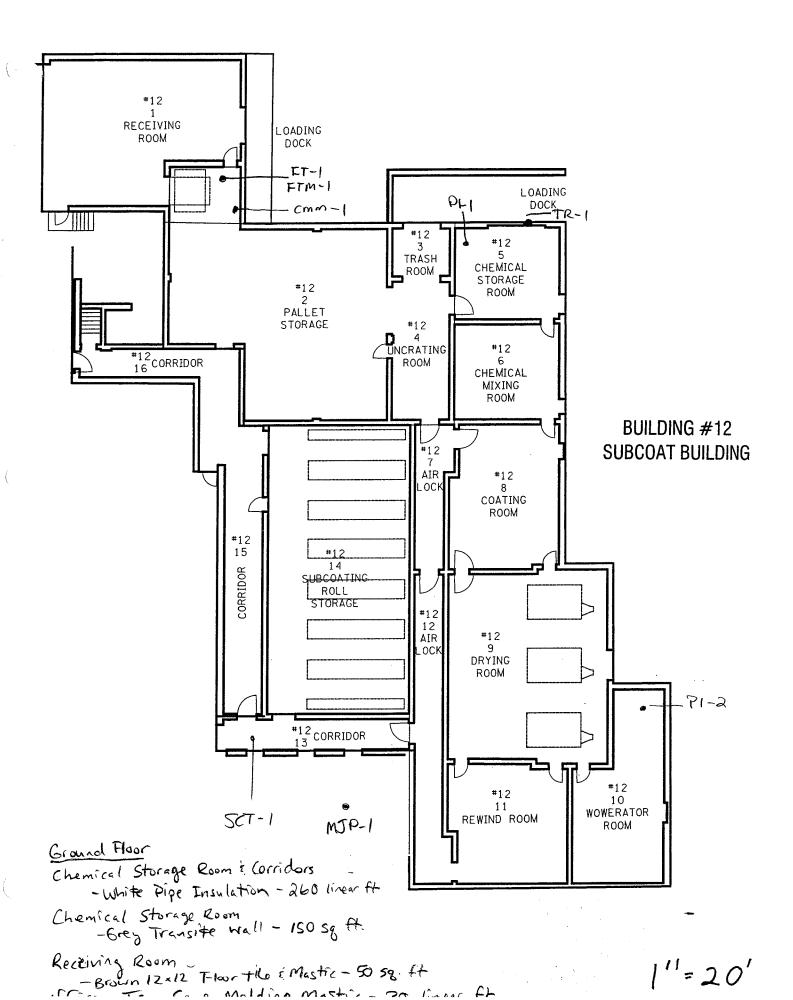


COMBINED 1 = 20'



PERFORMED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999

FORMER PHOTECH IMAGING SYSTEMS, INC. **1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK** 



on a molding mathing on linear AL

1"=20"

#### **BUILDING #12 - SUBCOAT BUILDING**

**Materials Sampled** 

Grey 2' x 2' Suspended Ceiling Tile

**Grey Mudded Joint Packing** 

Grey Pipe Insulation

White Pipe Insulation

**Grey Transite Wall** 

Brown 12" x 12" Floor Tile

**Black Floor Tile Mastic** 

Tan Cove Molding Mastic

**Black Roof Felts** 

Black/Silver Roof Felts

**Black Roof Flashing** 

Black Roof Membrane

Black Foam Insulation Mastic

**Grey Roof Decking** 

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

#### **ASBESTOS CONTAINING MATERIALS**

#### **GROUND FLOOR**

Chemical Storage Room & Corridors	White Pipe Insulation	260	linear feet
Chemical Storage Room	Grey Transite Wall	150	square feet
ROOF			
Roof #2	Black Roof Field Membrane Black/Silver Roof Flashing	5,200 400	square feet square feet
Roof #3	Black Roof Flashing	125	square feet
Roof #4	Black Roof Flashing	150	square feet
Roof #5	Black Roof Flashing	80	square feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

# MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

#### **GROUND FLOOR**

Receiving Room Office Brown 12" x 12" Floor Tile & Mastic Tan Cove Molding Mastic

50 30 square feet linear feet

Neg by LaBella 50309-3+4

# **BUILDING# 12 - SUBCOAT BUILDING**

## **Total Asbestos Containing Materials:**

Pipe Insulation	260	linear feet
Transite Wall	150	square feet
Roof Membrane	5,200	square feet
Roof Flashing	755	square feet
Total Materials to be <i>Treated</i> as Asbestos Containing:		
Floor Tile and Mastic	50	square feet
Cove Molding Mastic	30	linear feet

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

<sup>¬</sup>ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #12 - Subcoat Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

05/20/1999

Job Number:

95926

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos	Total	T	Non-Asbestos	Matrix
			: .	Fibers Type & Percentage	Asbestos	E M	Fibers Type & Percentage	Material %
RF-3	32201	Roof 3 - Flashing	Black Fibrous Roof Flashing	Chrysotile 18%	18%		Cellulose 30%	52%
RM-3a	32202	Roof 3 - Field	Black Fibrous Roof Membrane (Top Layer)	None Detected	0%	*	Cellulose 28% Mineral Wool 10% TEM Deg	62%
RM-3b	32203	Roof 3 - Field	Black Foam Insulation Mastic (Middie Layer)	None Detected	0%	*	None Detected TEM Neg	100%
RM-3c	32204	Roof 3 - Field	Grey Roof Decking (Bottom Layer)	None Detected	0%		None Detected	100%
RF-4	32205	Roof 4 - Flashing	Black Fibrous Roof Flashing	Chrysotile 18%	18%		Cellulose 20% Fiberglass 10%	52%
RM-4a	32206	Roof 4 - Field	Black Fibrous Roof Membrane (Top Layer)	None Detected	0%	*	Cellulose 28% Mineral Wool 10% TEM Neg	62%
RM-4b	32207	Roof 4 - Field	Black Fibrous Roof Membrane (Bottom Layer)	None Detected	0%	*	Cellulose 8% Mineral Wool 60% TEM Nog	32%
RF-5	32208	Roof 5 - Flashing	Black Fibrous Roof Flashing	Chrysotile 12%	12%		Cellulose 30%	58%
RM-5	32209	Roof 5 - Field	Black Fibrous Roof Membrane	None Detected	0%	*	Cellulose 20% TEM Weg	80%
					ļ	L	FLAP ID No : 10958	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

05/21/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

**Laboratory Results Approved By:** 

## <u>PARADIGM</u>

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location;

Former Photech Imaging Systems

Building #12 - Subcoat Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/27/1999

Job Number:

95018

Page Number:

1 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
SCT-1	25568	Corridor	Grey Fibrous 2' x 2' Suspended Celling Tile	None Detected	0%		Cellulose 10% Mineral Wool 35%	55%
MJP-1	25569	Roll Film Storage Room	Grey Fibrous Mudded Joint Packing	None Detected	0%		Cellulose 5% Mineral Wool 45%	50%
PI-2	25570	Pump Room	Grey Fibrous Pipe Insulation	None Detected	0%		Mineral Wool 45%	55%
Pl-1	25571	Chemical Storage Room	White Fibrous Pipe Insulation	Chrysotile 10% Amosite 15%	25%		None Detected	75%
TR-1	25572	Chemical Storage Room	Grey Fibrous Transite Wall	Chrysotile 20%	20%		None Detected	80%
FT-1	25573	Receiving Room Office	Brown 12" x 12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-1	25574	Receiving Room Office	Black Floor Tile Mastic from Sample 25573	None Detected	0%	#	Cellulose 5%	95%
CMM-1	25575	Receiving Room Office	Tan Cove Molding Mastic	None Detected	0%	*	Cellulose 6%	94%
RM-1	25576	Roof Field Roof 1	Black Fibrous Roof Felts	None Detected	TEM	*	Cellulose 32% Mineral Wool 15% Fiberglass 12%	41%
RF-1a	25577a	Roof Flashing Roof 1	Black/Silver Fibrous Roof Felts (Layer 1)	None Detected	Neg 0% TEM Neg	*	Cellulose 42% Mineral Wool 20%	38%

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

#<1.0 % of sample remained after matrix reduction. TEM Analysis is not required or necessary.

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically

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.

Date Analyzed:

04/29/1999

proscope:

Olympus BH-2 #232953

Analyst:

Mary Dohr

Laboratory Results Approved By:

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #12 - Subcoat Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/27/1999

Job Number:

95018

Page Number:

2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Materia %
RF-1b	25577b	Roof Flashing Roof 1	Black/Silver Fibrous Roof Felts (Layer 2)	None Detected	0%	*	Cellulose 31% Mineral Wool 12% Fiberglass 17%	40%
RM-2a	22578a	Roof Field Roof 2	Black Fibrous Roof Felts (Layer 1)	Chrysotile 23%	TEM Neg		Cellulose 25%	52%
RM-2b	22578b	Roof Field Roof 2	Black Fibrous Roof Felts (Layer 2)	Chrysotile 39%	39%		Cellulose 23%	38%
RF-2	22579	Roof Flashing Roof 2	Black/Silver Fibrous Roof Felts	Chrysotile 36%	36%		Cellulose 24%	40%
:								
			·					
			***************************************					
						Ī		

**ELAP ID No.: 10958** 

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/29/1999

croscope:

Olympus BH-2 #232953

Analyst:

Mary Dohr

**Laboratory Results Approved By:** 

# Environmenta

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

### T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job No:

1000 Driving Park Avenue, Rochester, New York Sample Date: 5/99-6/99

Page Number: 3 of 5

-				TEM A	nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
TAR-1 B-7	25238	Mezzanine - Coating Alley Behind Plaster	Black/Silver Fibrous Tar Paper	<1.0%	None Detected
RM-1 B-9	25192	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
TKIM-A.1 B-9	25193	Kathabar Holding Unit	Tan Tank insulation Mastic (Layer 1)	<1.0%	None Detected
TKIM-A.2 B-9	25194	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 2)	<1.0%	None Detected
RM-1 B-10	24189	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
CTM-1 B-[[	26327	Basement Men's Shower	Black Ceramic Tile Mastic	<1.0%	None Detected
FT-1 B-11	26335	1st Floor Lab Room B102	Grey 12" x 12" Floor Tile	<1.0%	None Detected
FTM-1 B-(1	26336	1st Floor Lab Room B102	Tan Floor Tile Mastic from Sample 26335	<1.0%	None Detected
B-11	26337	1st Floor Lab Room B102	Brown Cove Molding Mastic	<1.0%	None Detected
RM-1 B-12	25576	Roof Field Roof 1	Black Fibrous Roof Felts	<1.0%	None Detected

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

Date Analyzed:

Analyst:

07/09/1999 Tim Wilhelm

Laboratory Results Approved By:

# Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

# T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job No:

1000 Driving Park Avenue, Rochester, New York Sample Date: 5/99-6/99

Page Number: 4 of 5

				TEM A	nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
RF-1a B-12	25577a	Roof Flashing Roof 1	Black/Silver Fibrous Roof Felts (Layer 1)	<1.0%	None Detected
RM-2a B-12	22578a	Roof Field Roof 2	Black Fibrous Roof Felts (Layer 1)	<1.0%	None Detected
RM-3a B-12	32202	Roof 3 - Field	Black Fibrous Roof Membrane (Top Layer)	<1.0%	None Detected
RM-3b B-12	32203	Roof 3 - Field	Black Foam Insulation Mastic (Middle Layer)	<1.0%	None Detected
RM-4a B-12	32206	Roof 4 - Field	Black Fibrous Roof Membrane (Top Layer)	<1.0%	None Detected
RM-4b Bース	32207	Roof 4 - Field	Black Fibrous Roof Membrane (Bottom Layer)	<1.0%	None Detected
RM-5 B-12	32209	Roof 5 - Field	Black Fibrous Roof Membrane	<1.0%	None Detected
RM-1 B-13	25502	Roof Field	Black Fibrous Roof Felts	<1.0%	None Detected
RF-1 B-13	25503	Roof Flashing	Black Fibrous Roof Felts	. <1.0%	None Detected
RM-1 8-16	25478	Roof Field	Black Fibrous Roof Felts	<1.0%	None Detected

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

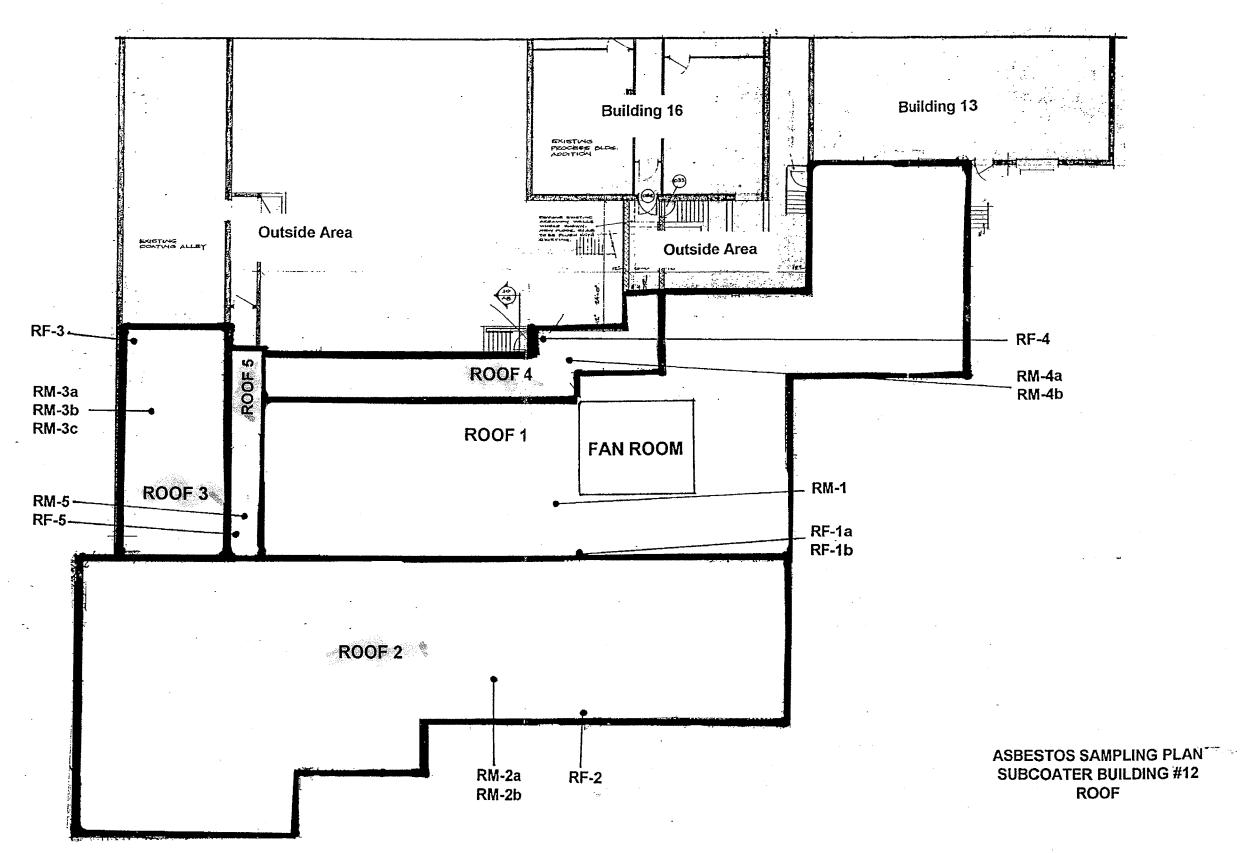
Date Analyzed:

07/09/1999

Analyst:

Tim Wilhelm

Laboratory Results Approved By:



PERFORMED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

#### **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

LBL	JOB	#	50309
	2 C 10	"	<u></u>

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288 phase 2

503

CLIENT: Labella Associates, PC

ADDRESS: 300 State Street

SAMPLE TYPE: PLM Bulk

Rochester, NY 14614

SAMPLE DATE: 09/10/2009

PROJECT LOCATION: Photech - Building #12

PROJECT EOCATION.		-							
X		Ř	ASBESTOS		OTHER				
FIELD ID	LBL ID	method	TYPE	%	FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
12-1A	50309-1	Т	ND		ND		MIN/BINDER	100	WHITE CAULK
12-1B	50309-2	Т	ND		ND		MIN/BINDER	100	WHITE CAULK
12-2A	50309-3	Т	ND		ND		MIN/VINYL	100	BROWN FLOOR TILE W/BLACK MASTIC
12-3A	50309-4	Т	ND		ND		MIN/BINDER	100	TAN MASTIC
12-4A	50309-5	Т	ND		FIBERGLASS	10	MIN/BINDER	90	GRAY PIPE END SEALER
12-5A	50309-6	Т	ND		ND		MIN/BINDER	100	GRAY ADHESIVE
<u>.</u>									

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

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.

<sup>\*&</sup>quot;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 1

	$\mathbf{BU}$	OS SAMPLING SURVEY LK SAMPLE LOG CHAIN OF CUSTODY		
Job No.: 7 PIN/ BIN: 9	09788 / 7 	Rates: 701  Sampled by: Mitch Relinquished by: M  Received by: Matt	Co   50  a Smith  Litch Smith  Smith	<b>3.75-72</b>
Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition
17-1A	Rupa. 17 Correspond	VERTIER JOIDT		<u>C-100D</u>
17-1B	11 11	n		Croop
12-24	Budge 17 Réceivible office	Brodd 17x17 FLOOR TILE D		FAIR
17-39	11	Tad Cove Base Moudide Mastic		+ 4100
17-44	BLOG 17 OD  VETTICAL PIPER  IN INCIDERATOR  TOOM	GRAY Pips EDD SERVER		G-100D
17-54	BLDG 17 BELOW TAD EXT. FACADE ON CMU	Chray		(2002 (2007)



#### PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Building 12, Exterior

Job No: 6891-08

Location:

1000 Driving Park Avenue

Page: 1 of 2

Sample Date:

6/17/2008

			i i i i i i i i i i i i i i i i i i i	PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
			}	Asbestos	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Percentage	Asbestos	Fibers Type &	Materia
				Percentage					Percentage	%
CEM-001	40222a	Over Foam SW Corner	Pink Cement	None Detected	0%		Not Required	N/A	None Detected	100%
CEM-001	40222b	Over Foam SW Corner	Gray Cement	None Detected	0%		Not Required	N/A	Fiberglass 3%	97%
CEM- 001A	40223a	Over Foam West Side	Pink Cement	None Detected	0%		Not Required	N/A	None Detected	100%
CEM- 001A	40223b	Over Foam West Side	Gray Cement	None Detected	0%		Not Required	N/A	Fiberglass 2%	98%
CEM-002	40224	Under Foam SW Corner	Gray Cement	None Detected	0%		Not Required	N/A	None Detected	100%
CEM- 002A	40225	Under Foam West Side	Gray Cement	None Detected	0%		Not Required	N/A	None Detected	100%
WAC-003		Around Loading Dick Door North Side	Gray Wall Caulk	Inconclusive No Asbestos Detected	0%	1	None Detected	<1.0%	None Detected	100%
WAC- 003A		Around Loading Dick Door West Side	Gray Wall Caulk	Inconclusive No Asbestos Detected	0%	1	None Detected	<1.0%	None Detected	100%

QAJVN

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/18/2008

TEM Date Analyzed: 6/19/2008

Microscope: PLM Analyst: Olympus BH-2 #234206 B. Weinman

人名英格兰 医大大性 医水杨素 医神经性皮肤的 电影的 计中心 化电池电流电流管 医静脉管

TEM Analyst: M. Hasenauer

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

Mary Dohr

and analysts' and precision) is available upon request

		CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	R PLM ASBES	<b>TOS ANA</b>	S/S/7	OFFICE USE ONLY	SE ONLY
EN	ENVOY	Client: City of Rochester	Contact: Joseph Biondolillo	iondolillo			
environmental c	environmental consultants, inc.					$0$ $\times$ $0$ $\times$ $0$ $\times$ $0$	X0-16X0
57 Ambrose St, Ro	57 Ambrose St, Rochester, NY 14608	Phone Number:	Fax Number:				
585.454.1060*1	585.454.1060 * Fax 585.454.1062	585-428-6649	Not p	Not provided		Page /	S
Client Mailing Address:	fress:	Results To:	Turn Around Time:			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
30 Church Street	<i>jt</i>	Gregg Mance	7 2 3	5 X Other		Date Logged In: (0)	9011110
City Hall Room 300-B	300-B	Date Sampled:	Material Type/Quantity:	ity:		;	0
Rochester, NY 14614	14614	June 17, 2008	Friable X NOB	$3 \times TEM$	×	Logged in BW	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
Project Location:		Project Address:	Project Number:				\
Former Photech Imaging Site	n Imaging Site	1000 Driving Park Avenue		08-0486	99	<u>)</u>	/
General Location:	:ation: Building	Building 12 Exterior	-				
Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1 CEM-001	HOSSSAB	Ó		Gray	N/A	CEM	Non-friable
2 CEM-001A		Over foam West side		Gray	A/A	CEM	Non-friable
3 CEM-002	99 T	Under foam SW corner		Gray	N/A	CEM	Non-friable
4 CEM-002A	225	Under foam West side		Gray	A/N	CEM	Non-friable
5 WAC-003	000	Around loading dock door north side	de anything else	Gray	A/N	WAC	Non-friable
6 WAC-003A	Ja7	Around loading dock door west side	le anything else	Gray	N/A	WAC	Non-friable
7							
8							
6							
10	en e	THE PROPERTY OF THE PROPERTY O					
Sampled By: Gregg Mance	gg Mance	<b>Date:</b> June 17, 2008	CHECK ONE:	SURVEY	×	BULKS ONLY	ILY Managaran de la companya de la comp
Transported to Paradigm By:		Gregg Mance Date: June 17, 2008	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	TICALLY PERF	ORM TEI	A ON NOBS	
Received By: W	2. La motex	2017 Date: (,    1   12	TOTAL NUMBER OF SAMPLES IN SURVEY:	SAMPLES IN S	URVEY:		

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

#### **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

	70000
IDI IOD #	70209
LBL JOB #	10203

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288.03

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

Rochester, NY 14614

SAMPLE DATE: 11/09/2009

PROJECT LOCATION: Photech

TROJECT LOCATION.		por	Adpedoc			3		***************************************	
FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
1A	70209-1	Т	ND		CELLULOSE	38	TAR	62	BLACK MEMBRANE B-1 Floor Core
2A	70209-2	G	ND		ND		RUBBER	100	BLACK MEMBRANE B-12 Floor Core
3A	70209-3	Т	ND		CELLULOSE	40	TAR	60	BLACK MEMBRANE B-1 Floor Core BLACK MEMBRANE B-12 Floor Core BLACK MEMBRANE B-16 Floor Core
	-17						)		
-							. 120		
							3000		
							*****		
							70		
			· · · · · · · · · · · · · · · · · · ·	1			1,0		

PLM Method EPA 600/M4/82/020

Lab Supervisor:

- None Detected CELL-Cellulose JC - Joint Compound

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

MIN - Mineral GLASS - Fiberglass

<1 = Trace

PLAS - Plaster

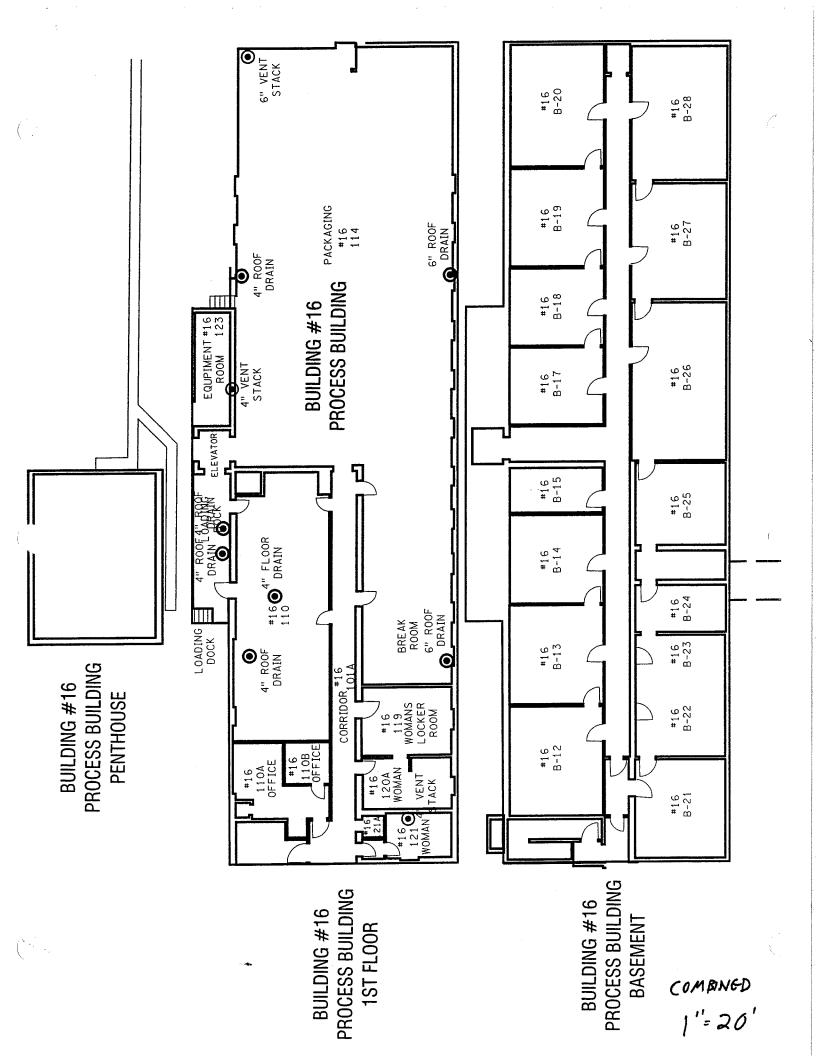
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result

Page 1 of 1

<sup>\*&</sup>quot;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.

# ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

PIN/ BIN: Date: LaBella Lab N Positive Stop P	otech 9288.03		S. Davis Smith	es
Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition
D /A	Bldg. 1, Basement, Floor Core Membrane	Menpoane		
2 A	Bldg. 2 12, Chem. Robm, Floor Core Wembrane	Membrane		
<u>3A</u>	Bldg 16, Basement, Floor Core Membrane	Membrane_		



## **BUILDING #16 - PROCESS BUILDING**

#### **Materials Sampled**

Black Roof Felts

Black Pipe Insulation Mastic

White Pipe Insulation

White Duct Insulation

**Grey Ceiling Plaster** 

Red Duct Caulk

Tan Mastic

White Foam Cover

White Plastic

Grey 9" x 9" Floor Tile

**Brown Floor Tile Mastic** 

Black Floor Tile Mastic

White Spackle

White 2' x 4' Suspended Ceiling Tile

White Roof Decking

Grey Wall Board

Black Pipe Insulation

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

#### ASBESTOS CONTAINING MATERIALS

#### **BASEMENT**

Throughout Basement	White Pipe Insulation	2,000	linear feet
1ST FLOOR			
Throughout 1st Floor	White Pipe Insulation and Black Pipe Insulation Mastic	1,500	linear feet
Packaging Room	Grey 9" x 9" Floor Tile & Mastic	1,300	square feet
ROOF			
Roof	Black Roof Flashing	450	linear feet
<u>PENTHOUSE</u>			
Fan Room (Interior/Exterior)	White Pipe Insulation and Black Pipe Insulation Mastic	350	linear feet
	White Duct Insulation	600	square feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

# MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

**BASEMENT** 

Room B-26

Red Duct Caulk

5

linear feet

**FIRST FLOOR** 

Corridor

Grey 9" x 9" Floor Tile & Mastic

400

square feet

<sup>\*</sup>All quantities are approximations.

# **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Rervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #16 - Process Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/27/1999

Job Number:

95005

Page Number:

1 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	W E T	Non-Asbestos Fibers Type & Percentage	Matrix Material %
RF-1	25477	Roof Flashing	Black Fibrous Roof Felts	Chrysotile 14%	14%		Cellulose 20%	66%
RM-1	25478	Roof Field	Black Fibrous Roof Felts	None Detected	TEM Neg	*	Cellulose 30%	70%
PIM-1	25479	Penthouse - Fan Room	Black Fibrous Pipe Insulation Mastic	None Detected	0%	*	None Detected	100%
PI-1	25480	Penthouse - Fan Room	Insulation	Chrysotile 20% Amosite 20%	40%		None Detected	60%
DI-1	25481	Penthouse - Fan Room	Insulation	Chrysotile 57%	57%		None Detected	43%
CP-1	25482	Basement Corridor Celling	Grey Ceiling Plaster	None Detected	0%		None Detected	100%
PI-2	25483	Basement Room B-27	White Fibrous Pipe Insulation	Amosite 44%	44%		None Detected	56%
DC-1	25484	Basement Room B-26	Red Duct Caulk	None Detected	0%	*	None Detected	100%
C-1a	25485	Basement Alley Ceiling	Tan Mastic (Layer 1)	None Detected	TEM Neg	*	None Detected	100%
C-1b	25486	Basement Alley Ceiling	White Foam Cover (Layer 2)	None Detected	TEM Near	*	None Detected	100%
					0		ELAP ID No.: 10958	

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically

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.

Date Analyzed:

04/27/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

# **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #16 - Process Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/27/1999

Job Number:

95005

Page Number:

2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
C-1c	25487	Basement Alley Ceiling	White Fibrous Plastic (Layer 3)	None Detected	0%		Mineral Wool 35%	65%
FT-1	25488	1st Floor Corridor	Grey 9" x 9" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-1	25489	1st Floor Corridor	Brown Floor Tile Mastic from Sample 25488	None Detected	0%	*	Cellulose 6%	94%
SPK-1	25490	1st Floor - Room 110A	White Spackle	None Detected	0%		None Detected	100%
SCT-1	25491	1st Floor - Break Room	White Fibrous 2' x 4' Suspended Ceiling Tile	None Detected	0%	-	Cellulose 55% Mineral Wool 20%	25%
FT-2	25492	1st Floor - Packaging Room	Grey Fibrous 9" x 9" Floor Tile	Chrysotile 16%	16%		None Detected	84%
FTM-2	25493	1st Floor - Packaging Room	Black Fibrous Floor Tile Mastic from Sample 25492	None Detected	0%		Cellulose 12%	88%
PIM-4	25494	1st Floor - Packaging Room	Black Fibrous Pipe Insulation Mastic	None Detected	0%	*	None Detected	100%
PI-5	25495	1st Floor - Packaging Room	Black Fibrous Pipe Insulation	None Detected	0%		Cellulose 66%	34%
RD-1	25496	Roof Decking	White Fibrous Roof Decking	None Detected	0%	1	Wood Fiber 18%	82%

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/27/1999

proscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By: \_\_

**Environmental** 

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Sample Date:

Former Photech Imaging Systems

Job Number:

95128

Building #16 - Process Building

1000 Driving Park Avenue, Rochester, New York 04/30/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
WB-1	26355	Exterior Window Cover	Grey Fibrous Wall Board	None Detected	0%		Cellulose 56%	44%
WB-2	26356	Exterior Window Cover	Grey Fibrous Wall Board	None Detected	0%		Cellulose 22%	78%
	<u></u>							

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Pate Analyzed:

05/05/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

# Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

# T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Sample Date: 5/99-6/99 Page Number: 4 of 5

				TEM A	nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
RF-1a B-12	25577a	Roof Flashing Roof 1	Black/Silver Fibrous Roof Felts (Layer 1)	<1.0%	None Detected
RM-2a B-12	22578a	Roof Field Roof 2	Black Fibrous Roof Felts (Layer 1)	<1.0%	None Detected
RM-3a B-12	32202	Roof 3 - Field :	Black Fibrous Roof Membrane (Top Layer)	<1.0%	None Detected
RM-3b B-12	32203	Roof 3 - Field	Black Foam Insulation Mastic (Middle Layer)	<1.0%	None Detected
RM-4a B-12	32206	Roof 4 - Field	Black Fibrous Roof Membrane (Top Layer)	<1.0%	None Detected
RM-4b Bース	32207	Roof 4 - Field	Black Fibrous Roof Membrane (Bottom Layer)	<1.0%	None Detected
RM-5 3-12	32209	Roof 5 - Field	Black Fibrous Roof Membrane	<1.0%	None Detected
RM-1 B~13	25502	Roof Field	Black Fibrous Roof Felts	<1.0%	None Detected
RF-1 B-13	25503	Roof Flashing	Black Fibrous Roof Felts	. <1.0%	None Detected
RM-1 B-16	25478	Roof Field	Black Fibrous Roof Felts	<1.0%	None Detected

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

Date Analyzed:

07/09/1999

Analyst:

Tim Wilhelm

Laboratory Results Approved By:

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

## T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Sample Date: 5/99-6/99

Page Number: 5 Of 5

			: .		nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
B-17	25201	Lower Level	Grey Duct Caulk	<1.0%	None Detected
<b>sv-1</b> B-17	25205	Upper Level Corridor	Grey Fibrous Sheet Vinyl	<1.0%	None Detected
C-1a	25485 <b>₹</b>	Basement Alley Ceiling	Tan Mastic (Layer 1)	<1.0%	None Detected
C-1b B-16	25486	Basement Alley Ceiling	While Foam Cover (Layer 2)	<1.0%	None Detected
		, :			

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

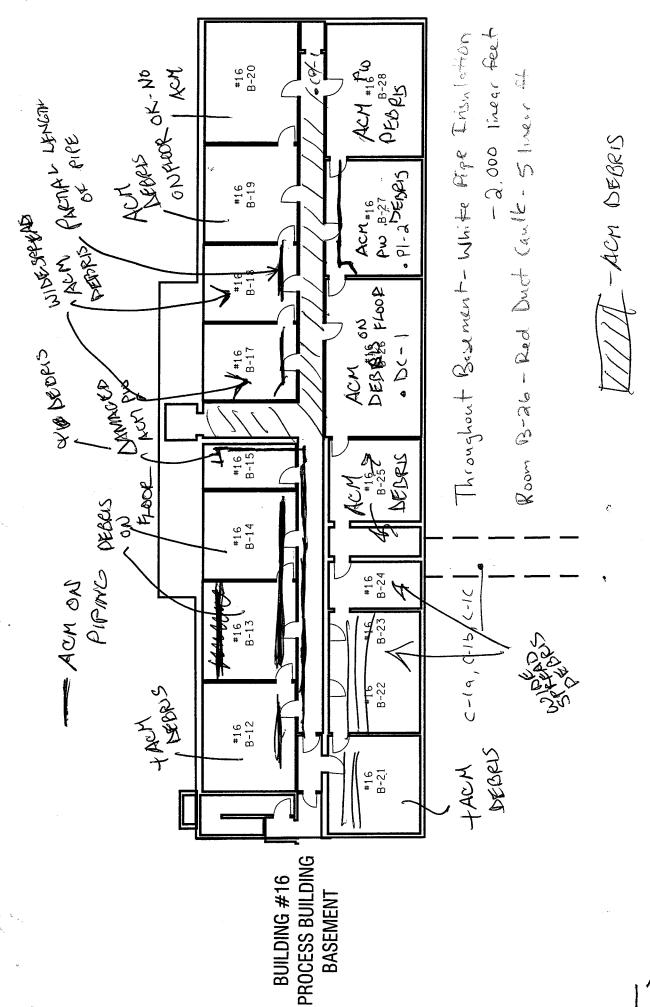
Date Analyzed:

Analyst:

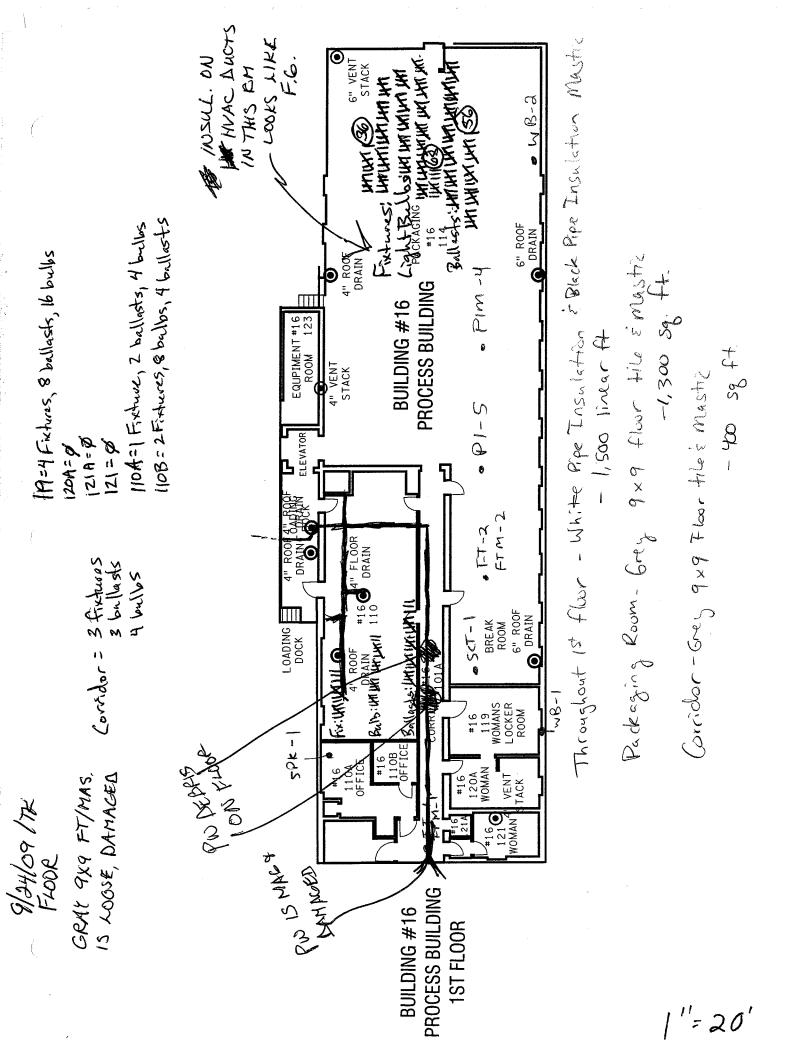
07/09/1999

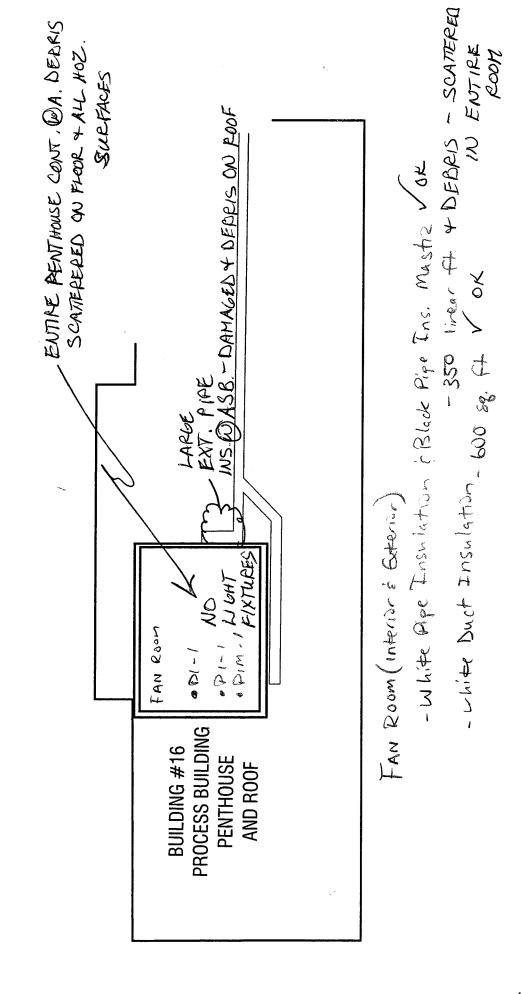
Tim Wilhelm

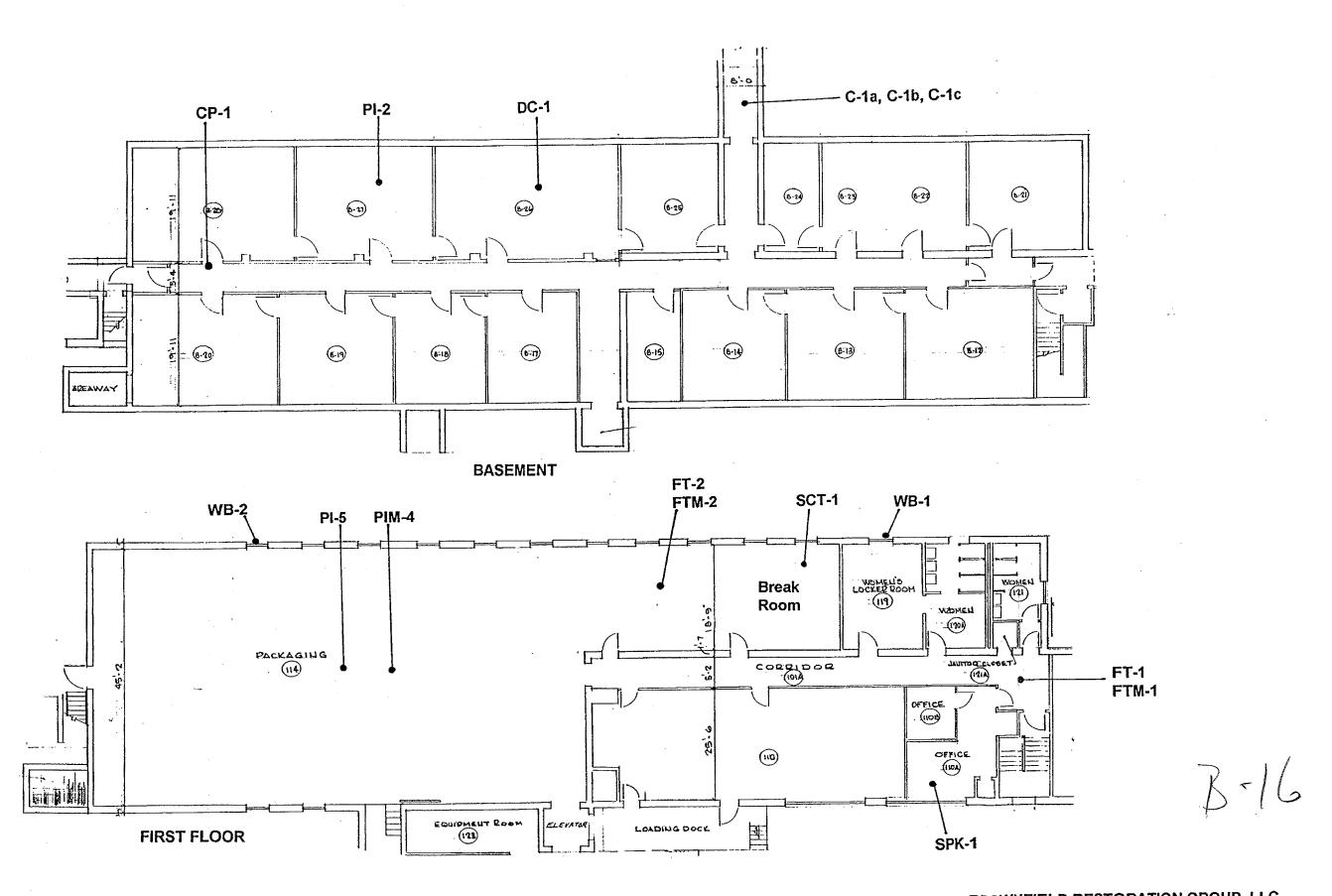
Laboratory Results Approved By:



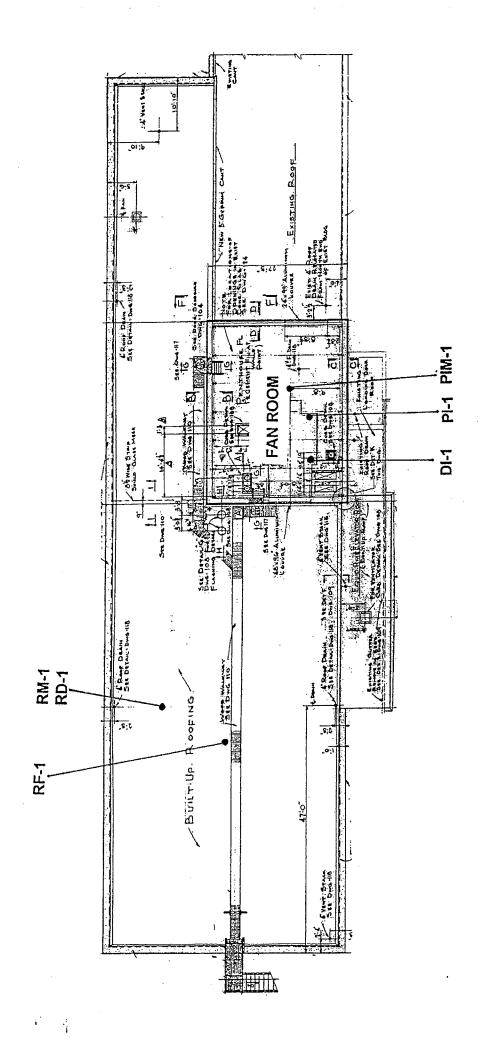
1"=20"



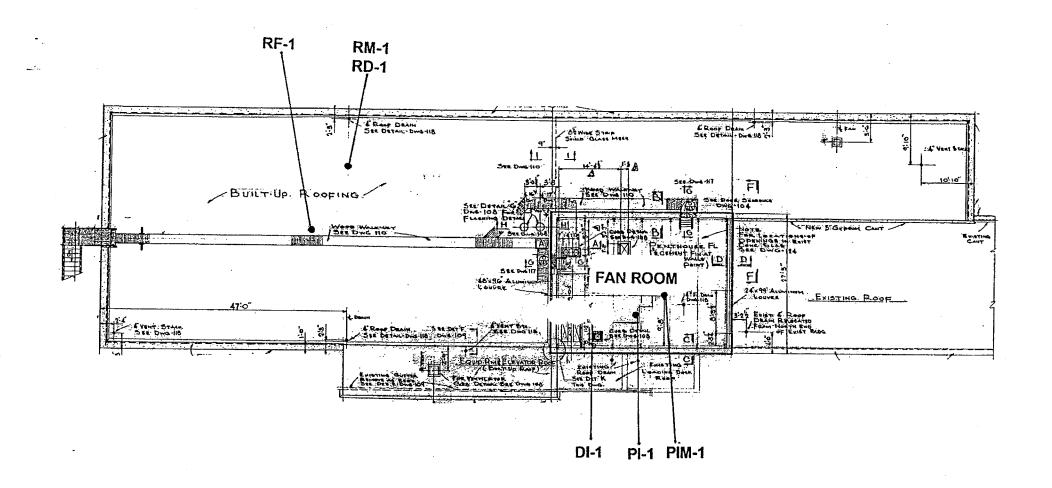




BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



B-16 Roof



ASBESTOS SAMPLING PLAN PROCESS BUILDING #16 ROOF

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



#### PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

**Job No**: 6893-08

Location:

Former Photech Imaging

**Page:** 1 of 2

Building 16, Exterior

**Sample Date: 6/17/2008** 

	I			PLM	PLM	N	TEM	TEM	PLM	PLM
	l			Asbestos	Total	0	Asbestos	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Fibers Type &	Asbestos	Fibers Type &	Material
				Percentage			Percentage		Percentage	%
TRN-001	40232	East Wall North End	Gray Fibrous	None Detected	0%		Not Required	N/A	Cellulose 30%	70%
1		Over Windows ~	Transite							
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						1				
·										
						-				
			•							
*							A 20 10 10 10 10 10 10 10 10 10 10 10 10 10			

Ννίαρ

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/18/2008

TEM Date Analyzed:

Microscope:

Olympus BH-2 #233173

TEM Analyst: N/A

N/A

PLM Analyst:

F. Childs

Laboratory Results Approved By:
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 laboratory)

Phone Number: 585-428-6649 Results To: Gregg Mance Date Sampled: June 17, 2008 Project Address: Project Number: One Work Avenue  Frank Avenue	$\overline{\mathrm{ENVOY}}$	CHAIN OF CUSTODY FOR Client: City of Rochester	CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS Client: City of Rochester   Contact: Joseph Biondolillo	S OFFICE USE ONLY
S85-428-6649Not providedResults To:Turn Around Time:Gregg Mance $1 \square 2 \square 3 \square 5 \square 7$ Date Sampled:Material Type/Quantity:June 17, 2008Friable $\times$ NOB $\times$ TEM $\times$ Project Address:Project Number:1000 Driving Park AvenueO8-0486	57 Ambrose St, Rochester, NY 14608	Phone Number:	Fax Number:	
Results To:Turn Around Time:Gregg Mance $1 \square 2 \square 3 \square 5 X$ Other $\square$ Date Sampled:Material Type/Quantity:June 17, 2008Friable $X$ NOB $X$ TEM $X$ Project Address:Project Number:1000 Driving Park AvenueO8-0486	585.454.1060 * Fax 585.454.1062	585-428-6649	Not provided	
Gregg Mance1235 $X$ Other $X$ Date Sampled:Material Type/Quantity:June 17, 2008Friable $X$ NOB $X$ TEM $X$ Project Address:Project Number:08-0486		Results To:	Turn Around Time:	
Date Sampled:Material Type/Quantity:June 17, 2008Friable X NOB X TEM XProject Address:Project Number:08-0486		Gregg Mance	5. ×	Date Logged In: [ n   17   08
June 17, 2008FriableXNOBXIEMXProject Address:Project Number:08-0486		Date Sampled:	Material Type/Quantity:	
Project Address: 1000 Driving Park Avenue 08-0486		June 17, 2008	× NOB ×	l ogged in By:
1000 Driving Park Avenue		Project Address:		
	ite	1000 Driving Park Avenue		5

General Location: Building 16 Exterior

		במומות בספונים: במוומות וס באנפווטו	10 Exterior					
	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	TRN-001	566.Qt	East wall north end, over windows			N/A	TRN	Non-friable
2								
3								
4								
5								
9								
7								
8								
0								region (M)
10	N. P. C.							Degline o
San	Sampled By: Gregg Mance	g Mance	Date: June 17, 2008	CHECK ONE:	SURVEY	X	BULKS ONLY	NLY.
Traı	Transported to Paradigm By:		Gregg Mance Date: June 17, 2008	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	ATICALLY PE	RFORM TEN	N ON NOBS	
Rec	Received By:	property	# Date: 7, 117178	TOTAL NUMBER OF SAMPLES IN SURVEY:	F SAMPLES II	N SURVEY:		

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

### **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

41209 LBL JOB#

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288 phase 2

CLIENT: Labella Associates, PC

ADDRESS: 300 State Street

Rochester, NY 14614

SAMPLE TYPE: PLM Bulk

SAMPLE DATE: 07/30/2009

PROJECT I OCATION. Photech Site

PROJECT LOCATION:	- I Hotoon i	7100							
		рę	ASBESTOS		OTHER				
FIELD ID	LBL ID	method	TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
209288-1A	41209-1	P	ND		FIBERGLASS	35	MINERAL	65	GRAY MUD FITTING B-16
And Market									44
		-						-	
									1.44
	<u> </u>								
		<u> </u>							
		•							
	A. (1900)								
	1001								
HARPA .		-					1/4/		
		-		····			Laconomic		Last Trade And Section 1
42.42.42									
		_						-	
		<del> </del>	***	-					,
		1							

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

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.

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Location: PHOTECH SITE Client: City of Itochester  Job No.: 709788   PHOSE 7    PIN/BIN: Sampled by: Mitch Smith  Date: 7/30/09   Received by: Mitch Smith  LaBella Lab No.: 46/209   Received by: Matt Smith  Positive Stop Protocol: Yes No Number of Samples: 1						
Field ID#	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition		
Z09788-1A	BLOG # 16	Ciray Mud Firting		Poore		

#### **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

	70000
IDI IOD #	70209
LBL JOB #	10203

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288.03

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

Rochester, NY 14614

SAMPLE DATE: 11/09/2009

PROJECT LOCATION: Photech

TROJECT LOCATION.		por	Adpedoc			3		***************************************	
FIELD ID	LBL ID	method	ASBESTOS TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
1A	70209-1	Т	ND		CELLULOSE	38	TAR	62	BLACK MEMBRANE B-1 Floor Core
2A	70209-2	G	ND		ND		RUBBER	100	BLACK MEMBRANE B-12 Floor Core
3A	70209-3	Т	ND		CELLULOSE	40	TAR	60	BLACK MEMBRANE B-1 Floor Core BLACK MEMBRANE B-12 Floor Core BLACK MEMBRANE B-16 Floor Core
	-17						)		
-							. 120		
							3000		
							*****		
							70		
			· · · · · · · · · · · · · · · · · · ·	1			1,0		

PLM Method EPA 600/M4/82/020

Lab Supervisor:

- None Detected CELL-Cellulose JC - Joint Compound

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

MIN - Mineral GLASS - Fiberglass

<1 = Trace

PLAS - Plaster

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

Page 1 of 1

<sup>\*&</sup>quot;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.

# ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

PIN/ BIN: Date: LaBella Lab N Positive Stop P	otech 9288.03	Rates: Sampled by: Relinquished by: Received by: Matt s Number of Samples	Client: C. of Rochester  Rates: Sampled by: Relinquished by: 5. Davis Received by: Matt Smith Number of Samples: 3					
Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition				
D /A	Bldg. 1, Basement, Floor Core Membrane	Menpoane						
2 A	Bldg. 2 12, Chem. Robm, Floor Core Wembrane	Membrane						
<u>3A</u>	Bldg 16, Basement, Floor Core Membrane	Membrane_						

#### **BUILDING #17 - DRYER ADDITION**

#### **Materials Sampled**

White Insulation
Grey Pipe Insulation
Grey Mudded Joint Packing
Grey Duct Insulation
Black Duct Insulation
Grey Duct Caulk
White Vibration Cloth
Grey Wall Insulation
Brown Wall Insulation
Grey Sheet Vinyl
White Spackle
Black Pipe Wrap

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

#### **ASBESTOS CONTAINING MATERIALS**

#### **LOWER LEVEL**

Throughout Floor	White Fire Door Insulation	120	square feet
Throughout Floor & Upper Platform	Grey Pipe Insulation & Grey Mudded Joint Packing	260	linear feet
Upper Platform	White Vibration Cloth Grey Wall Insulation (Layer 1) Brown Wall Insulation (Layer 2)	30 150	linear feet square feet
Hallway	Black Pipe Wrap	30	linear feet
UPPER LEVEL			
Throughout Floor	White Fire Door Insulation	120	square feet

<sup>\*</sup>All quantities are approximations.

# **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Rervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #17 - Dryer Addition

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/26/1999

Job Number:

94955

Page Number:

1 of 2

Client ID	Lab iD	Sampling Location	Description	Asbestos	Total	I	Non-Asbestos	Matrix
				Fibers Type & Percentage	Asbestos	E M	Fibers Type & Percentage	Material %
FD-1	25196	Lower Level Fire Door	White Fibrous Fire Door Insulation	Amosite 20% Chrysotile 20%	40%		None Detected	60%
PI-1	25197	Lower Level	Grey Fibrous Pipe Insulation	Amosite 44%	44%		None Detected	56%
MJP-1	25198	Lower Level	Grey Fibrous Mudded Joint Packing	Chrysotile 36%	36%		None Detected	64%
DI-A.1	25199	Lower Level	Grey Fibrous Duct Insulation (Layer 1)	None Detected	0%		Cellulose 90%	10%
DI-A.2	25200	Lower Level	Black Fibrous Duct Insulation (Layer 2)	None Detected	0%		Cellulose 15% Mineral Wool 75%	10%
DC-1	25201	Lower Level	Grey Duct Caulk	None Detected	TEM Near	*	None Detected	100%
VC-1	25202	Lower Level	White Fibrous Vibration Cloth	Chrysotile 80%	80% (		Cellulose 15%	5%
WI-A.1	25203	Lower Level	Grey Fibrous Wall Insulation	Chrysotile 36%	36%		None Detected	64%
WIM-A.1	25204	Lower Level	Brown Wall Insulation Mastic	None Detected	0%	*	None Detected	100%
SV-1	25205	Upper Level Corridor	Grey Fibrous Sheet Vinyl	None Detected	TEM Near	*	Cellulose 12% Fiberglass 9%	79%
<u></u>		<u> </u>		,	Near	<u>l.</u>	ELAP ID No.: 10958	

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy Is not consistently reliable in detecting asbestos in 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.

Pate Analyzed:

04/26/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

# **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #17 - Dryer Addition

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/26/1999

Job Number:

94955

Page Number:

2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
SPK-1	25206	Upper Level Corridor	White Spackle	None Detected	0%		None Detected	100%
SPK-2	25207	Exterior Overhang Ceiling	White Spackle	None Detected	0%		None Detected	100%
		·						
1								
				·				
							ELAP ID No.: 1095	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

04/26/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

**Laboratory Results Approved By:** 

# <u>PARADIGM</u>

## **Environmenta**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Rervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95924

Building #17 - Dryer Addition

1000 Driving Park Avenue, Rochester, New York

Sample Date:

05/20/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PWI-1	32199	Lower Level	Black Pipe Wrap	Chrysotile 4%	4%		None Detected	96%
<u>,,, , , , , , , , , , , , , , , , , , </u>								
						-		
						-		
							ELAD ID No : 10059	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

05/21/1999

icroscope:

Olympus BH-2 #232953

Analyst: Patrick Fitzgerald

Laboratory Results Approved By:

# <u>PARADIGM</u>

# Environmenta

#### 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Pervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

97195

Location.

Sample Date:

Building #17 - Dryer Addition

1000 Driving Park Avenue, Rochester, New York

06/16/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
SPK-3	40603	Lower Level	White Wall Spackle	None Detected	0%		None Detected	100%
							A	
							•	
			·				***************************************	
· •								

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

06/21/1999

croscope:

Olympus BH-2 #232953

Analyst:

Mary Dohr

**Laboratory Results Approved By:** 

## <u>PARADIGM</u>

# Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

# T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Sample Date: 5/99-6/99

Page Number: 5 of 5

			: .		nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
DC-1 B-17	25201	Lower Level	Grey Duct Caulk	<1.0%	None Detected
<b>sv-1</b> B-17	25205	Upper Level Corridor	Grey Fibrous Sheet Vinyl	<1.0%	None Detected
C-1a B-16	25485	Basement Alley Ceiling	Tan Mastic (Layer 1)	<1.0%	None Detected
C-1b B-16	25486	Basement Alley Ceiling	White Foam Cover (Layer 2)	<1.0%	None Detected
i.					
			:		
w an an			:		

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

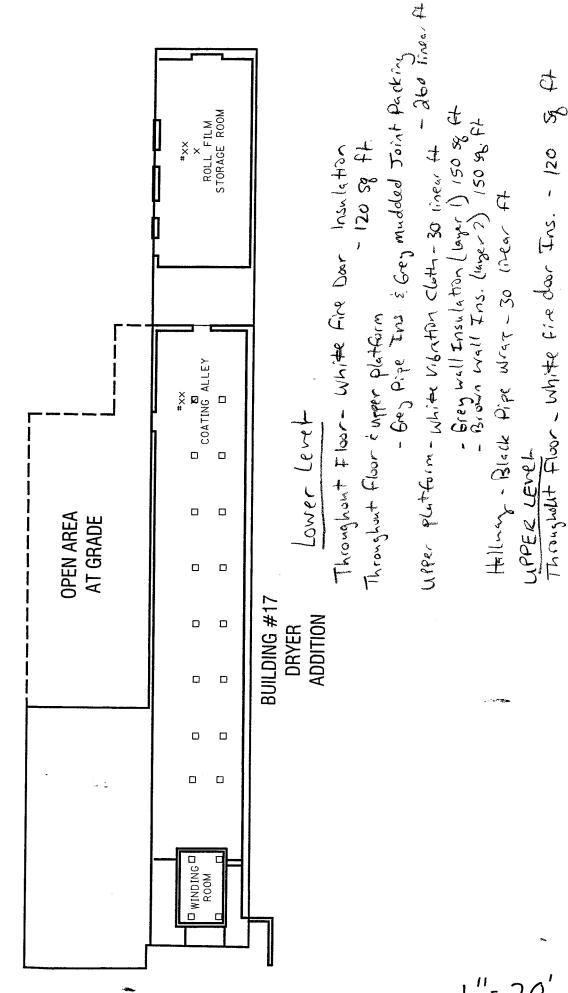
Date Analyzed:

07/09/1999

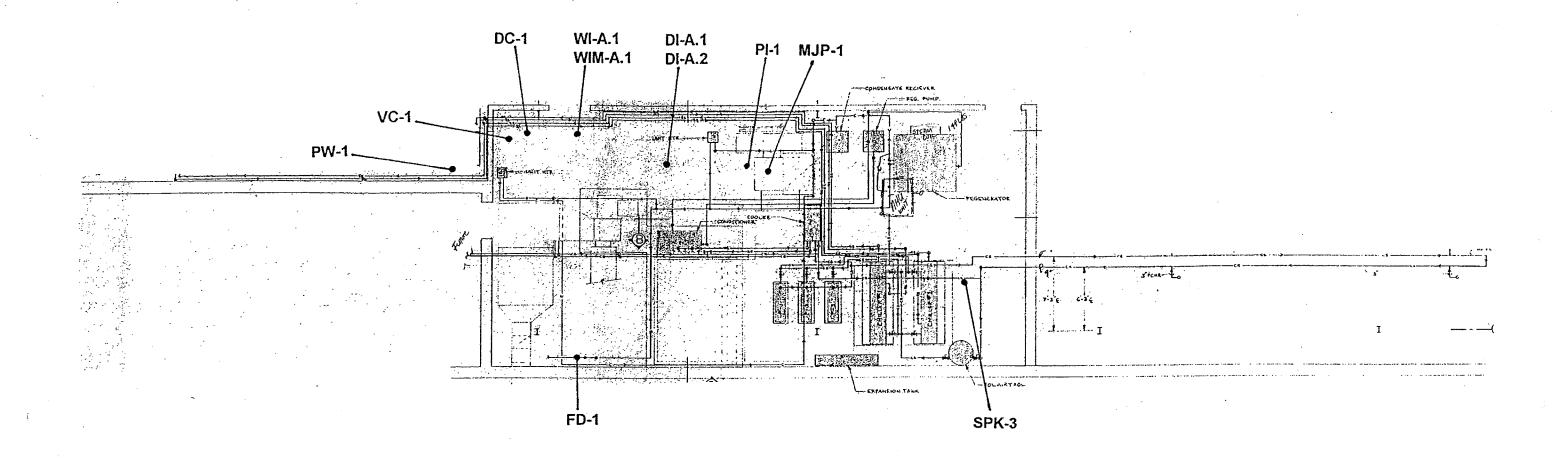
Analyst:

Tim Wilhelm

Laboratory Results Approved By: \_

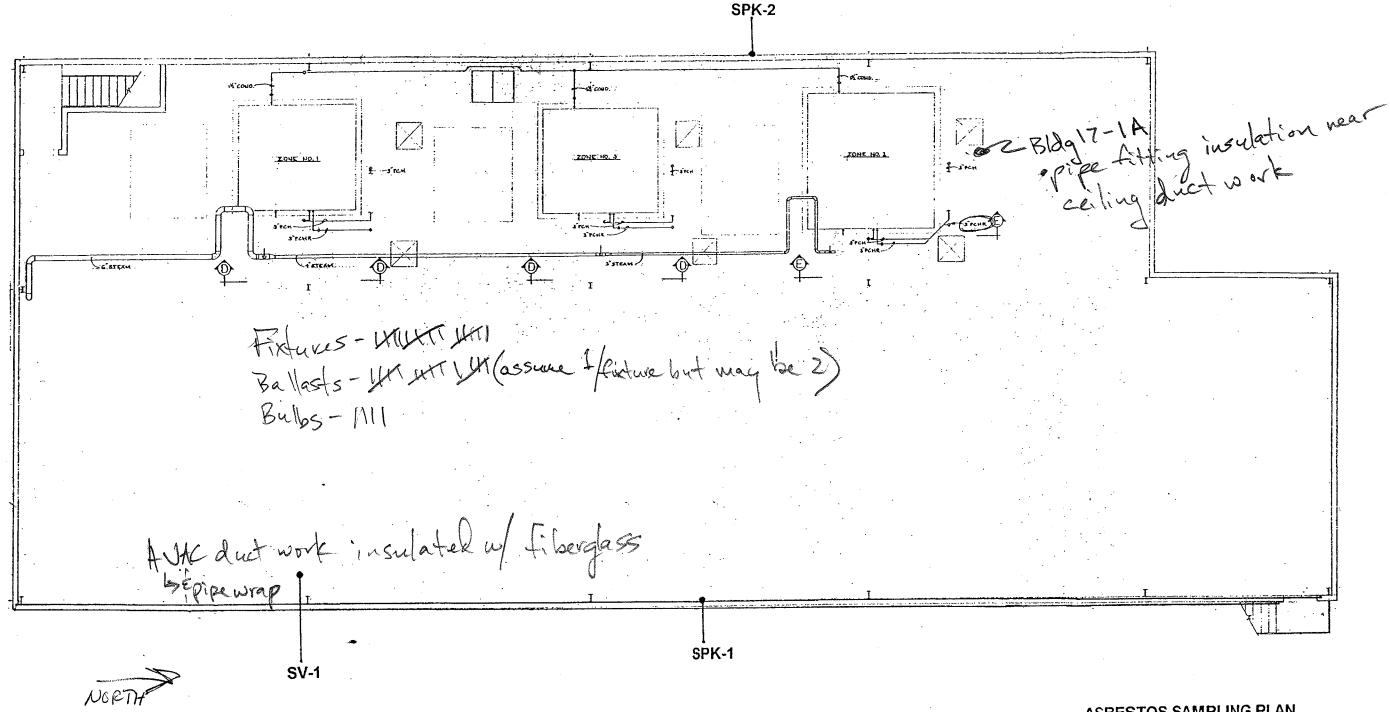


11=



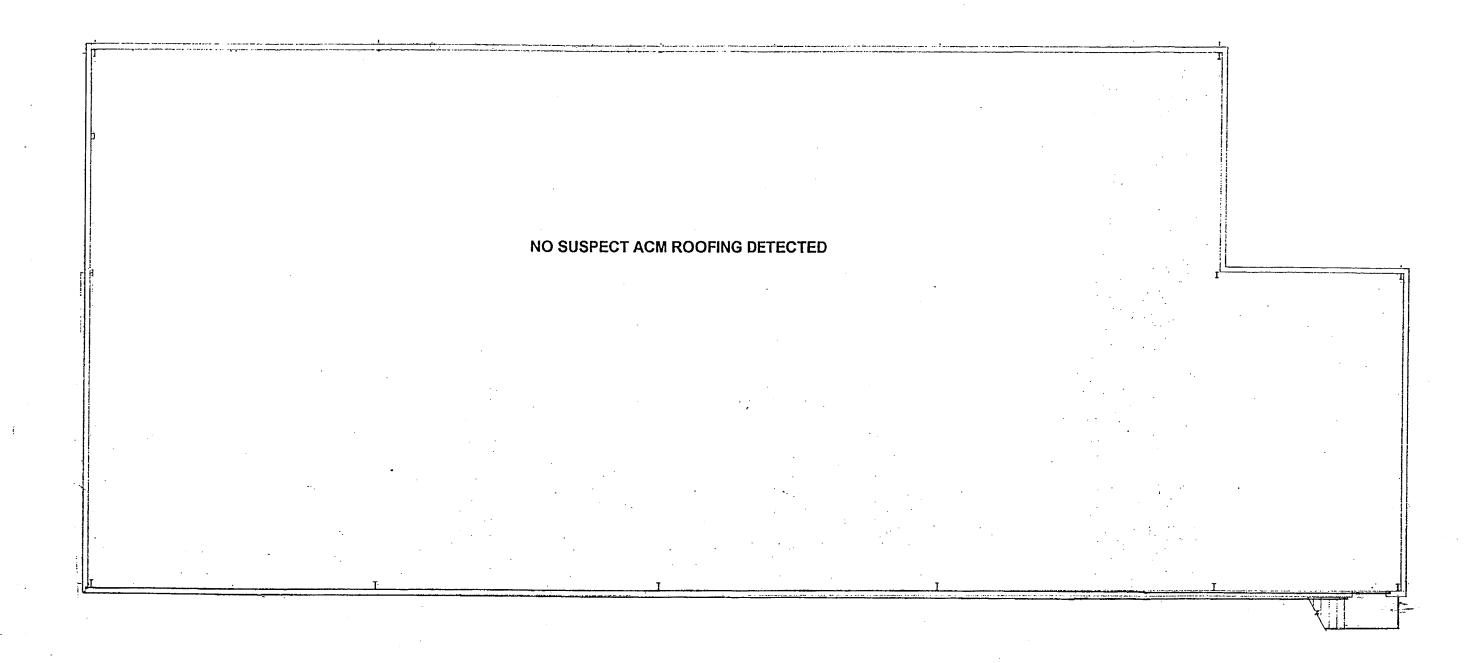
ASBESTOS SAMPLING PLAN DRYER ADDITION BUILING #17 LOWER LEVEL

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



ASBESTOS SAMPLING PLAN DRYER ADDITION BUILING #17 UPPER LEVEL

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



ASBESTOS SAMPLING PLAN DRYER ADDITION BUILING #17 ROOF

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

#### **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

57200 × 57200		
LBL JOB #   37003	LBL JOB#	57809

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT # 209288.03 phase 1

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

578

Rochester, NY 14614 SAMPLE DATE: 09/25/2009

Photech - Building #17

PROJECT LOCATION:	Photech.	- Di	mamg #17						
11100201 200111101		po		1					
		4	ASBESTOS	%	OTHER FIBERS	m		est	
PROJECT LOCATION: FIELD ID	LBL ID	Ĕ	TYPE	,,,	FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
DI DC17 1 A	57809-1	P	ND		CELL/GLASS	10	MINERAL	90	GRAY PIPE FITTING INSULATION
BLDG17-1A	3/809-1	F	ND		CELLOLASS	10	MINERAL	1 30	GRATTE ETITING ENGLECTION
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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

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.

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Job No.:  PIN/ BIN:  Date: 9/25/  LaBella Lab No.  Positive Stop P	o.: <u>57809</u>	Rates: 7 of Sampled by: Mitch Relinquished by: Matt S  Received by: Matt S  Number of Samples	70 50 Smith Smith  Smith	
Field ID#	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition
BLDG17-1A	ON ROOF PRAIN PIPE FITTING NEAR CEAILING DUCTOWORK	PIPE FITTING INSULATION		



#### PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6892-08 Page: 1 of 2

Location:

1000 Driving Park Avenue

Building 17, Exterior

Sample Date:

6/17/2008

I	ľ	<u> </u>		PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
				Asbestos	Total		Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	i	1	Percentage	Asbestos	Fibers Type &	Material
				Percentage					Percentage	%
TRP-001	40228	East Wall North End	Black Tar Paper	Inconclusive	0%	<u> </u>	None Detected	<1.0%	None Detected	100%
				No Asbestos		I√				
				Detected		i .				
TAR-002	40229	East Wall North End	Black Fibrous Tar	Chrysotile 42%	42%	Ī.,	Not Required	N/A	Fiberglass 15%	43%
				1						
TAR-003	40230	East Wall at Foundation	Black Fibrous Tar	Chrysotile 14%	14%	١,	Not Required	N/A	None Detected	86%
								N1/A	None Detected	84%
TAR-004		West Wall on Foundation	Black Fibrous Tar	Chrysotile 16%	16%	,	Not Required	N/A	None Detected	0476
		roundation				1				
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**QAJVN** 

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/18/2008

Olympus BH-2 #233173

Microscope: PLM Analyst:

F. Childs

Laboratory Results Approved By:

TEM Date Analyzed: 6/19/2008

TEM Analyst: M. Hasenauer

**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

S OFFICE USE ONLY		100 # doc # doc	(a)	Page of	) -	Date Logged In:	)	Logged In By:	7	2
CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	Contact: Joseph Biondolillo		Fax Number:	Not provided	Turn Around Time:	1 2 3 5 X Other	Material Type/Quantity:	Friable $X$ NOB $X$ TEM $X$	Project Number:	00-0-00
CHAIN OF CUSTODY FOR	Client: City of Rochester		Phone Number:	585-428-6649	Results To:	Gregg Mance	Date Sampled:	June 17, 2008	Project Address:	1000 Driving Park Avenue
	ENVOY	environmental consultants, inc.	57 Ambrose St, Rochester, NY 14608	585.454.1060 * Fax 585.454.1062	Client Mailing Address:	30 Church Street	City Hall Room 300-B	Rochester, NY 14614	Project Location:	Former Photech Imaging Site

General Loca	General Location: Building 17 Exterior	1 17 Exterior					** .\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1 TRP-001	SECON	East wall north end		Black	N/A	TRP	Non-friable
2 TAR-002	900	East wall north end		Black	N/A	TAR	Non-friable
3 TAR-003	230	East wall at foundation		Black	N/A	TAR	Non-friable
4 TAR-004	1331	West wall on foundation		Gray	N/A	CEM	Non-friable
5							
9							
2							
8							
6							
10			C. THE PROPERTY OF THE PROPERT	And the Case of th		es al estada mendiferen aj esta pesta pesta en esta pesta pesta pesta esta pesta esta pesta pesta pesta esta p	
Sampled By: Gre	Gregg Mance	Date:	CHECK ONE:	SURVEY	×	BULKS ONLY	JNCY
Transported to Paradigm By:		Gregg Mance Date: June 17, 2008	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	4TICALLY PE tact name:	RFORM TEI	M ON NOBS	
Received By:	1. Han	amondo Date: (0/17/08	TOTAL NUMBER OF SAMPLES IN SURVEY:	= SAMPLES I.	N SURVEY:		

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

### **BUILDING #2 - EMULSION BUILDING**

**Materials Sampled** 

Black Elbow and Seam Pipe Cover

Black Pipe Cover Over Cork

Grey Wall Caulk

Black Expansion Joint

Black Roofing

Silver/Black Roof Flashing

Black Roof Membrane

Black Duct Insulation -

Black Pipe Insulation

Red Paint

White Pipe Insulation

**Grey Vibration Cloth** 

**Grey Duct Insulation** 

Tan Brick Ceiling

Tan Insulation Mastic

White Wall Plaster

Grey Wall Insulation

White Wall Plaster

Grey Wall Plaster

White 2' x 2' Suspended Ceiling Tile

White Spackle

**Grey Wall Plaster** 

Yellow Ceramic Tile Mastic

Black Sink Mastic

White/Grey 2' x 4' Suspended Ceiling Tile

Yellow Ceramic Tile Mastic

Tan 12" x 12" Floor Tile

Black Floor Tile Mastic

Black Tank Insulation Mastic

**Grey Cove Molding Mastic** 

**Grey Transite Wall** 

**Black Tank Coating** 

Black Tar

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

## ASBESTOS CONTAINING MATERIALS

#### **BASEMENT**

Throughout Basement	White Pipe Insulation	. 900	linear feet
Debris on Floors	White Pipe Insulation	1,200	linear feet
Machine Room	White Tank Insulation (On 2 Tanks) White Duct Insulation  Name of the product 2009	1,200 1,200	square feet square feet

General Stock Room	Grey Transite Walls	1,500	square feet
Storage Area	Black Tank Coating	650	square feet
Chill Room (Under Cork Wall)	Black Tar (2 Layers)	4,000	square feet
Bulk Storage Room	Black Elbows and Seam Pipe Cover	370	linear feet
1ST FLOOR		•	
Throughout 1st Floor	Grey Duct Insulation	600	square feet
Debris in Corridors and Stairtower	White Pipe Insulation	1,200	linear feet
Room 111B Heater Tank	Black Tank Insulation Mastic white covering + foam - n	ot ACM LaB	square feet ella 63409
Room 111B Waterbath	Black Tank Insulation Mastic	260	square feet
2ND FLOOR			
Throughout 2nd Floor	Grey Duct Insulation	875	square feet
Debris in Corridors and Rooms	White Pipe Insulation	1,200	linear feet
Laboratory Room	Transite Fume Hood	80	square feet
3RD FLOOR			
Throughout 3rd Floor	Grey Duct Insulation	600	square feet
Debris in Corridors and Rooms	White Pipe Insulation	1,000	linear feet
4TH FLOOR			
Penthouse	White Pipe Insulation Grey Vibration Cloth Grey Duct Insulation Grey Wall Insulation	260 60 2,800 30	linear feet linear feet square feet square feet

Black Flashing 2 F-1	420	square feet
Black Duct Insulation D   -	125	square feet
Black Pipe Insulation DI-n	100	linear feet
	_	Black Duct Insulation D - 125

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

### MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

BASEMENT			
Men's Room	Tan 12" x 12" Floor Tile & Mastic	100	square feet
1ST FLOOR			
Room 124	Grey Cove Molding Mastic Confirmed NON-ACM LaBella 63	70 3409-3	linear feet
2ND FLOOR	confirmed 100 m - 172-11 massium -		
Room 227	Black Sink Mastic	30	square feet
EXTERIOR			
Roof Over Tunnel	Black Tar	180	square feet

<sup>\*</sup>All quantities are approximations.

## **BUILDING# 2 - EMULSION BUILDING**

## **Total Asbestos Containing Materials:**

Tank Insulation	1,200	square feet
Tank Insulation Mastic	580	square feet
Duct Insulation	6,200	square feet
Transite Walls	1,500	square feet
Tank Coating	650	square feet
Tar Wall Coating	4,000	square feet
Pipe Insulation	5,860	linear feet
Elbows & Seam Pipe Cover	370	linear feet
Vibration Cloth	60	linear feet
Wall Insulation	30	square feet
Roof Flashing	420	square feet
Total Materials to be Treated as Asbestos Containing:		
Floor Tile and Mastic	100	square feet
Cove Molding Mastic	70	linear feet
Sink Mastic	30	square feet
Tar Roofing	180	square feet

## **Environmental**

#### 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

^ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #2 - Emulsion Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/22/1999

Job Number:

94818

Page Number:

1 of 4

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
RF-1	24265	Roof-Flashing		Chrysotile 10%	10%		Cellulose 28% Fiberglass 10%	52%
DU 4	24266	Roof-Field	Black Fibrous Membrane	None Detected	0%	*	Cellulose 43%	57%
RM-1	24200	Nooi-Field	Black Fibrous Methoratie	Hone Detected			TEM	0.7%
DI-1	24267	Roof-Duct Work	Black Fibrous Duct Insulation	Chrysotile 6%	6%		Fiberglass 9%	85%
PI-2	24268	Roof-Pipe Insulation	Black Fibrous Pipe Insulation	Chrysotile 5%	5%		Cellulose 41%	54%
PA-1	24269	Penthouse Exterior Paint	Red Paint	None Detected	0%	*	None Detected	100%
PI-1	24270	Penthouse	White Fibrous Pipe Insulation	Amosite 20% Chrysotile 20%	40%		None Detected	60%
VC-1	24271	Penthouse	Grey Fibrous Vibration Cloth	Chrysotile 66%	66%		Cellulose 34%	0%
DI-2	24272	Penthouse	Grey Fibrous Duct Insulation	Chrysotile 33%	33%		None Detected	67%
BC-1	24273	Penthouse	Tan Brick Ceiling	None Detected	0%		Cellulose 7%	93%
IM-1	24274	Penthouse Mastic Underneath Insulation	Tan Insulation Mastic	None Detected	0%	*	None Detected TEM None	100%

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/22/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

`ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #2 - Emulsion Building 1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/22/1999

Job Number:

94818

Page Number:

2 of 4

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
WP-1	24275	Penthouse-Wall	White Wall Plaster	None Detected	0%		None Detected	100%
WI-1	24276	Penthouse-Wall	Grey Fibrous Wall Insulation	Chrysotile 28%	28%		None Detected	72%
DI-3	24277	Third Floor-Corridor	Grey Fibrous Duct Insulation	Chrysotile 30%	30%		None Detected	70%
CP-1a	24278	Third Floor Room 321 Wall	White Wall Plaster (Layer 1)	None Detected	0%		Cellulose 7%	93%
CP-1b	24279	Third Floor Room 321 Wall	Grey Fibrous Wall Plaster (Layer 2)	None Detected	0%		Cellulose 13%	87%
CP-1c	24280	Third Floor Room 321 Wall	Grey Fibrous Wall Plaster (Layer 3)	None Detected	0%		Cellulose 85%	15%
CP-1d	24281	Third Floor Room 321 Wall	Grey Wall Plaster (Layer 4)	None Detected	0%		None Detected	100%
SCT-1	24282	Third Floor Room 319 Celling	White/Grey Fibrous 2'x2' Suspended Ceiling Tile	None Detected	0%		Cellulose 55% Mineral Wool 20%	25%
SPK-1	24283	Third Floor Room 319 Wall	White Spackle	None Detected	0%		Cellulose 7%	93%
WP-2	24284	Second Floor Room 213 Wall	Grey Fibrous Wall Plaster	None Detected	0%		Wood Fiber 18%	82%

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

04/22/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

**Laboratory Results Approved By:** 

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

^ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #2 - Emulsion Building

1000 Driving Park Avenue, Rochester, NY

Sample Date:

04/22/1999

Job Number:

94818

Page Number:

3 of 4

Client ID	Lab ID	Sampling Location	Description	Asbestos	Total	T	Non-Asbestos	Matrix
		1		Fibers Type &	Asbestos	Е	Fibers Type &	Materia
				Percentage		М	Percentage	%
CRM-1	24285	Second Floor	Yellow Ceramic Tile Mastic	None Detected	0%	*	None Detected	100%
		Room 229 Wall					TEM	
SM-1	24286	Second Floor Room 227	Black Sink Mastic	None Detected	0%	*	None Dete <b>c</b> led	100%
SCT-2	24287	Second Floor	White/Grey Fibrous 2'x4'	None Detected	0%	┢	Cellulose 50%	25%
		Corridor	Suspended Ceiling Tile				Mineral Wool 25%	
CRM-2	24288	Second Floor	Yellow Ceramic Tile Mastic	None Detected	0%	*	None Detected	100%
		Room 216					TEM Neg	
FT-1	24289	First Floor	Tan 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
		Room 124					TEM	
FTM-1	24290	First Floor Room 124	Black Fibrous Floor Tile Mastic from Sample 24289	None Detected	0%	*	Cellulose 42%	88%
		Room 124	Mastic Hotti Sattipie 24200				TEM	
TKIM-1	24291	First Floor Room 111B	Black Fibrous Tank Insulation Mastic	Chrysotile 5%	5%		Cellulose 1/2%	83%
		Heater Tank	insulation Mastic					
TKIM-2	24292	First Floor	Black Fibrous Tank	Chrysotile 4%	4%	T	Cellulose 12%	84%
		Room 111B Waterbath	misulation wastic .					
SPK-2	24293	First Floor	White Spackle	None Detected	0%	T	Cellulose 7%	93%
		Room 119 Wall						
CMM-1	24294	First Floor	Grey Cove Molding Mastic	None Detected	0%	*	None Detected	1009
		Room 125 Wali						

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/22/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

**Laboratory Results Approved By:** 

### **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Pervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

94818

Building #2 - Emulsion Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/22/1999

Page Number:

4 of 4

Client ID	Lab ID	Sampling Location	<b>Description</b>	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FT-2	24295	Basement Men's Room	Tan 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-2	24296	Basement Men's Room	Black Fibrous Floor Tile Mastic from Sample 24295	None Detected	0%	*	Cellulose 11%	89%
TRW-1	24297	Basement General Stock Room	Grey Fibrous Transite Wall	Chrysotile 31%	31%		Cellulose 8%	61%
TKI-3	24298	Basement Storage Area	Black Fibrous Tank Coating	Chrysotile 6%	6%		Cellulose 19%	75%
TAR-1	24299	Basement Chill Room Beneath Cork Wall	Black Fibrous Tar (Layer 1)	Chrysotile 12%	12%		None Detected	88%
TAR-2	24300	Basement Chill Room Beneath Cork Wall	Black Fibrous Tar (Layer 2)	Chrysotile 9%	9%		None Detected	91%
		·					ELAP ID No.: 10958	

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy Is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

04/22/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By:

aboratory Results Appro

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #2 - Emulsion Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

06/16/1999

Job Number:

97193

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PC-1	40599	Basement Bulk Storage Room	Black Fibrous Elbow & Seam Pipe Cover	Chrysotile 23%	23%		None Detected	77%
PC-2	40600	Basement Bulk Storage Room	Black Fibrous Pipe Cover Over Cork	None Detected	0%	*	Cellulose 38%	62%
-								
' 								
				·				
							,	
							ELAP ID No.: 1095	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

06/21/1999

croscope:

Olympus BH-2 #232953

Analyst:

Mary Dohr

**Laboratory Results Approved By:** 

### PARADIGM Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95984

Building #2 - Emulsion Building

1000 Driving Park Avenue, Rochester, New York

Sample Date:

05/24/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M		Matrix Material %
WC-1	32550	Exterior Walls	Grey Wall Caulk	None Detected	0%		None Detected	100%
EJ-1	32551	Exterior - Ground	Black Expansion Joint	None Detected	0%	*	None Detected	100%
TAR-3	32552	Exterior - Roof Over Tunnel	Black Fibrous Roofing	None Detected	0%	*	Cellulose 30%	70%
							***************************************	
			,					
								·
						T		
	1							
L	<u> </u>			<u> </u>	<u> </u>	<u></u>	ELAP ID No.: 10958	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

Date Analyzed:

05/24/1999

icroscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By: \_

## Environmental

Sample Date: 5/99-6/99

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

### T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Page Number: 1 Of 5

			<u>;</u>	TEM A	nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
смм-1 В-1	23965	First Floor Main Entry	Beige Cove Molding Mastic	<1.0%	None Detected
CMF-1 B-I	23966	First Floor Main Entry	Beige Carpet Mastic	<1.0%	None Detected
\$V-1 B ⋅ l	23968	First Floor Stairtower	Orange Stair Tread Sheet Vinyl	<1.0%	None Detected
<b>svm-1</b> B-1	23969	First Floor Stairtower	Black Stair Tread Sheet Vinyl Mastic from Sample 23968	<1.0%	None Detected
<b>sv-2</b> B-(	23970	First Floor Room 102	Grey Fibrous Battleship Sheet Vinyl	<1.0%	None Delected
8-1	23975	First Floor Corridor 121	Red Fibrous Sheet Vinyl	<1.0%	None Detected
FOM-1 B-1	23976	First Floor Room 117	Tan Foam Mastic	<1.0%	None Detected
<b>CA-1</b> B-1	23985	Exterior-Underneath Foam	Grey Cement Adhesive	<1.0%	None Detected
RM-1 B-2	24266	Roof-Field	Black Fibrous Membrane	<1.0%	None Detected
IM-1 B-ス	24274	Penthouse Mastic Underneath Insulation	Tan Insulation Mastic	<1.0%	None Detected

ELAP ID No.: 10984

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

Date Analyzed: Analyst:

07/09/1999

Tim Wilhelm

Laboratory Results Approved By:

# Environmental

#### 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

## T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Sample Date: 5/99-6/99

Page Number: 2 of 5

			:	TEM A	nalysis
Client ID Lab ID Sampling Location		Description	Total Asbestos	Asbestos Type	
01/11-1		Yellow Ceramic Tile Mastic	, <1.0%	None Detected	
B-2		Room 229 Wall	1		
CRM-2 24288 Second Floor		L	Yellow Ceramic Tile Mastic	<1.0%	None Detected
B-2		Room 216			
FT-1	24289	First Floor	Tan 12"x12" Floor Tile	<1.0%	None Detected
B-2		Room 124			
FTM-1 24290 First Floor			Black Fibrous Floor Tile Mastic from	<1.0%	None Detected
3-2		Room 124	Sample 24289		
EJ-1	EJ-1 32551 Exterior - Ground		Black Expansion Joint	<1.0%	None Detected
B-2			:		
RM-1			Black Fibrous Roof Membrane	<1.0%	None Detected
B-3			·	,	
RM-1	26318	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected
B-4			·		
RM-A.1	25229	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected
B-7			(Layer 1)		
RM-A.2	25230	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected
B-7			(Layer 2)		
DI-2	25232	Basement - Coating Room	Tan Fibrous Duct Insulation Mastic	<1.0%	None Detected
B-7.					

ELAP ID No.: 10984

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

Date Analyzed:

07/09/1999 *Tim Wilhelm* 

Analyst:

Laboratory Results Approved By:

### **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

63409 LBL JOB #

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288.03 phase 1

CLIENT: Labella Associates, PC

Rochester, NY 14614

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

SAMPLE DATE: 10/20/2009

PROJECT LOCATION: Photech - Building #2

PROJECT LOCATION:		-							
	·	Po	ASBESTOS		OTHER				
FIELD ID	LBL ID	method	ТҮРЕ	%	FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
B2TK-1	63409-1	P	ND		ND		MINERAL	100	GRAY CEMENT/PLASTER
B2TK-2	63409-2	N	CHRYSOTILE	13	ND		TAR	87	BLACK TAR
B2CM-1	63409-3	G	ND		ND		MIN/BINDER	100	TAN COVE MOLDING ADHESIVE
						****			
			**						

PLM Method EPA 600/M4/82/020

Lab Supervisor:

- 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

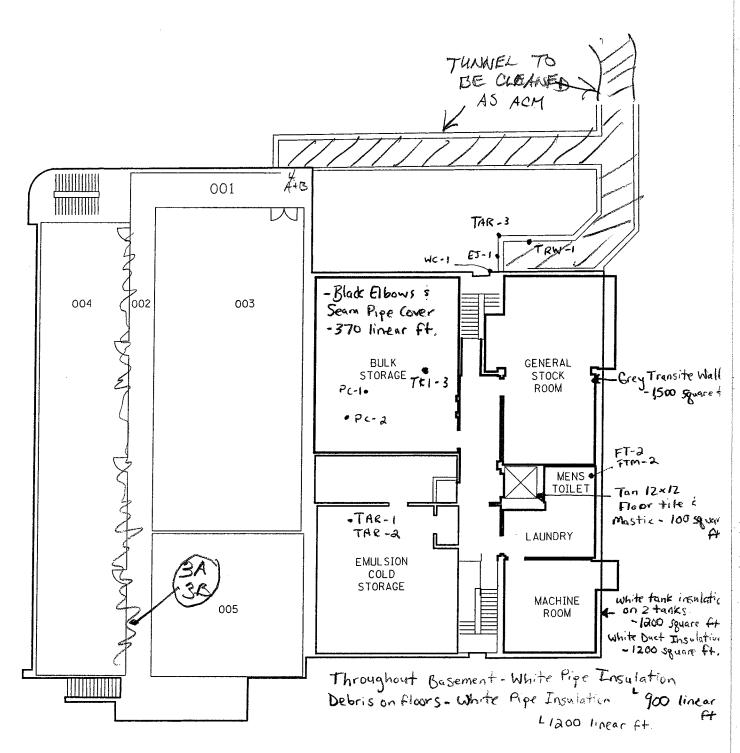
G-Gravimetric Matrix Reduction. Sample residue weight <1% of original sample weight, TEM not required.

<sup>\*&</sup>quot;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 1

# ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG

JOB NO.: 209288,03	
JOB NAME: Photoch	
ADDRESS:	
DATE: 10/20/09	
100 1 12-7	

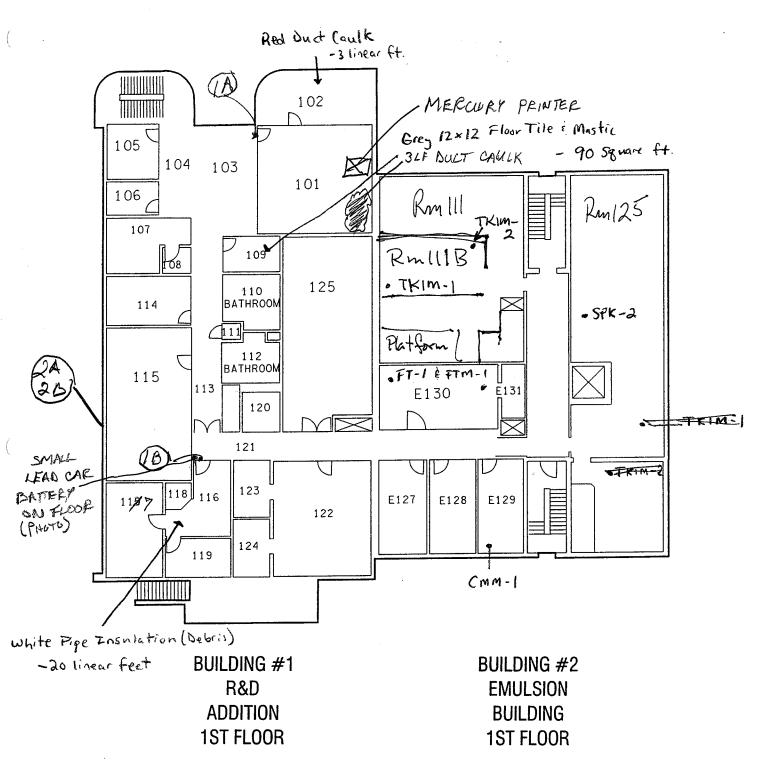
63	409	ピー人			
	SAMPLE#	SAMPLE LOCATION	TYPE OF SUSPECT ACM TO BE ANALYZED	APPROX. AMOUNT	CONDITION
l	BATK-I	Outer cooling - white	coment/Plaster		
2	B2TK-2	Rm 111 tar coating	Har		
3	B2CM-1	Rm 111  conte moldenje	Ton adhesive	L. Service de service	
		First Floor			



BUILDING #1 R&D ADDITION BASEMENT BUILDING #2 EMULSION BUILDING BASEMENT

Storage Area-Black Tank Coating 650 Square fl Chill Room (under Cork Wall) Black Tar (2 layers) -4000 Square ft.

1"=20

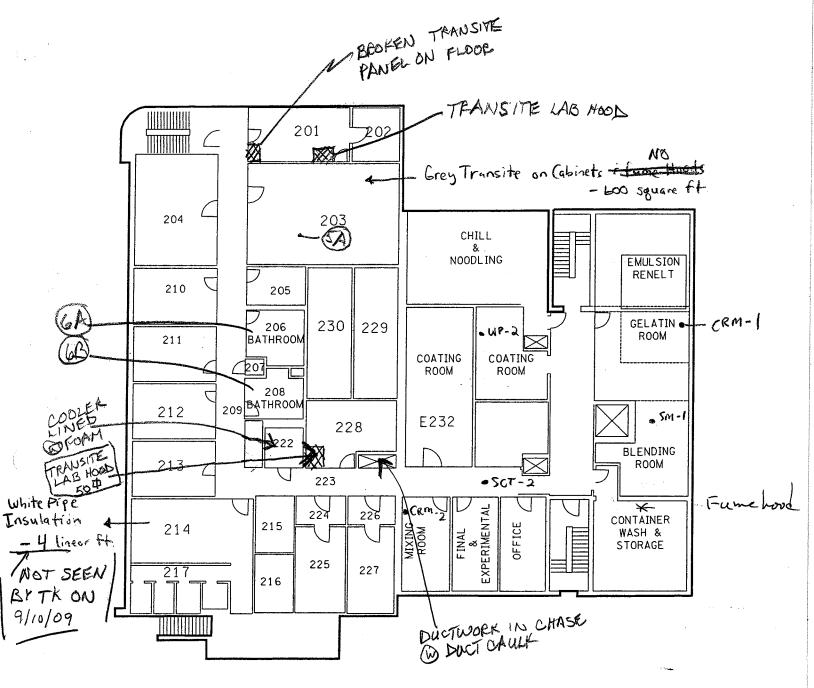


Throughout 1st Floor- Grey Duct Insulation
-600 Square ft.

Debris in Corridors: Stairtower- white Pipe Insulation
-1200 linear ft.

Room 111B - Heater Tank-Black Tank Ins Mastic
-320 Sq. ft.

WaterBath-Black Tank Ins. Mastic
Room 124-Grey Cove Molding Mastic
-70 linear ft.



BUILDING #1

R&D

ADDITION

2ND FLOOR

ENTIRE IND FLOOR

SHOULD BE NOTED AS HAVING

THE POT FOR ASD; CONT.

DUCT CAULK

BUILDING #2 EMULSION BUILDING 2ND FLOOR

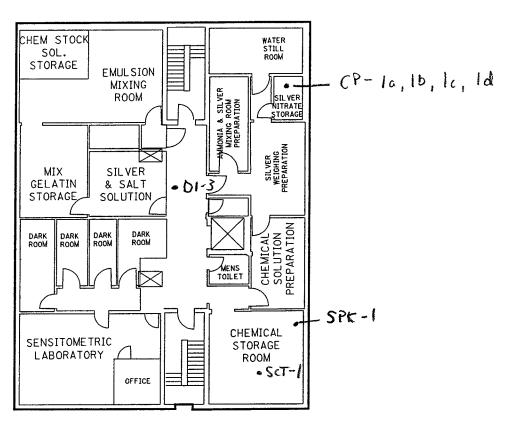
Throughout 2nd floor- Grey Duct Insulation
-875 sq. ft.

Debris in Corridors & rooms-white Pipe Insulation
-1200 linear ft

Laboratory Room-Transite Fume Hood

Room 227-Black Sink Mastic
-30 sq. ft

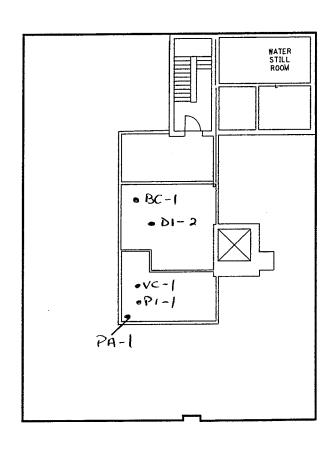
1"=20"



Throughout 3rd floor - Grey Duct Insulation
Debris in Corridors & Rooms - White Pipe Insulation
- 1000 linear ft

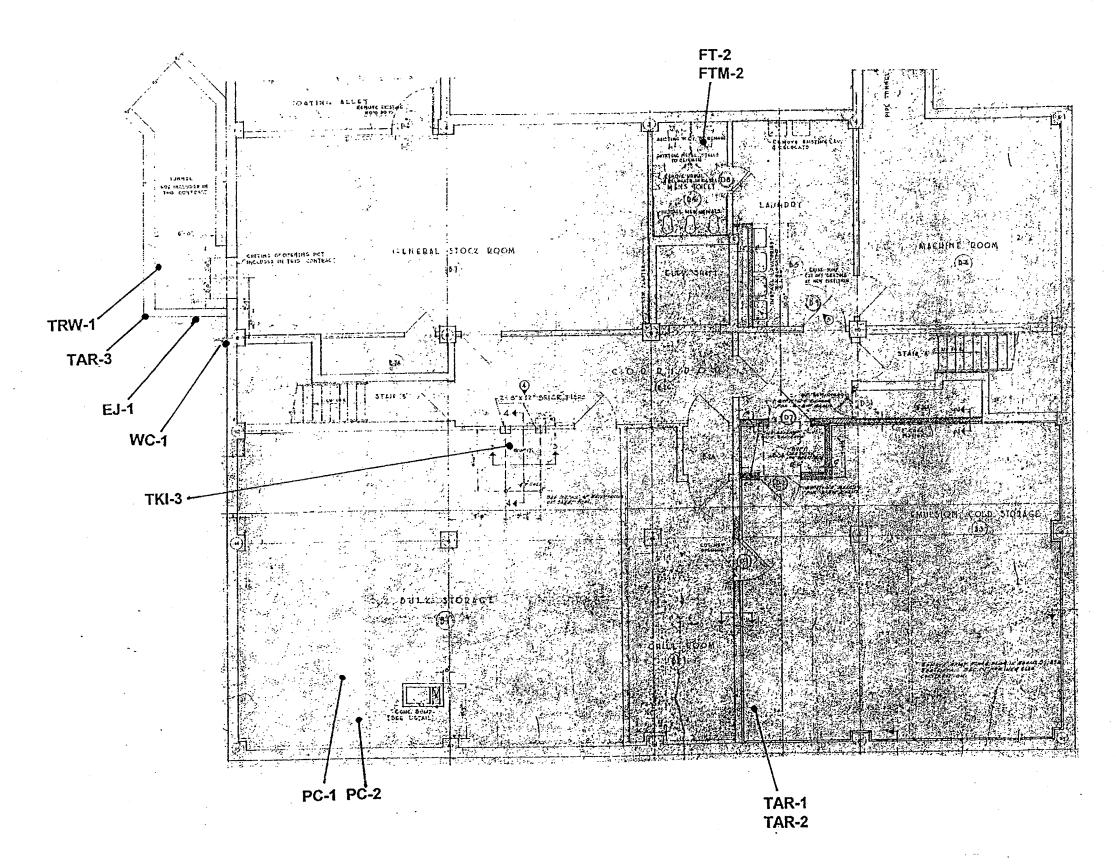
-

BUILDING #2 EMULSION BUILDING 3RD FLOOR

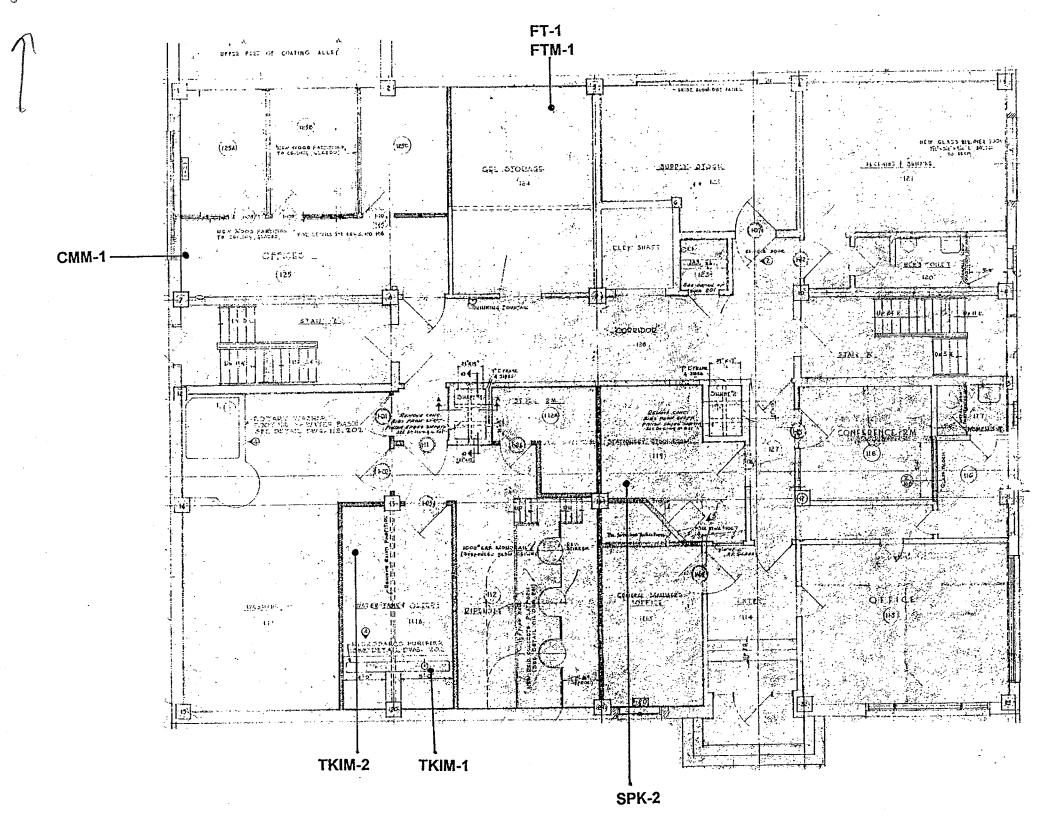


BUILDING #2 EMULSION BUILDING 4TH FLOOR PENTHOUSE

White Pipe Insulation - 260 linear ft. Grey Vibration Cloth- 60 linear ft. Grey Duct Insulation- 2,800 sq. ft Grey Wall Insulation - 30 sq. ft

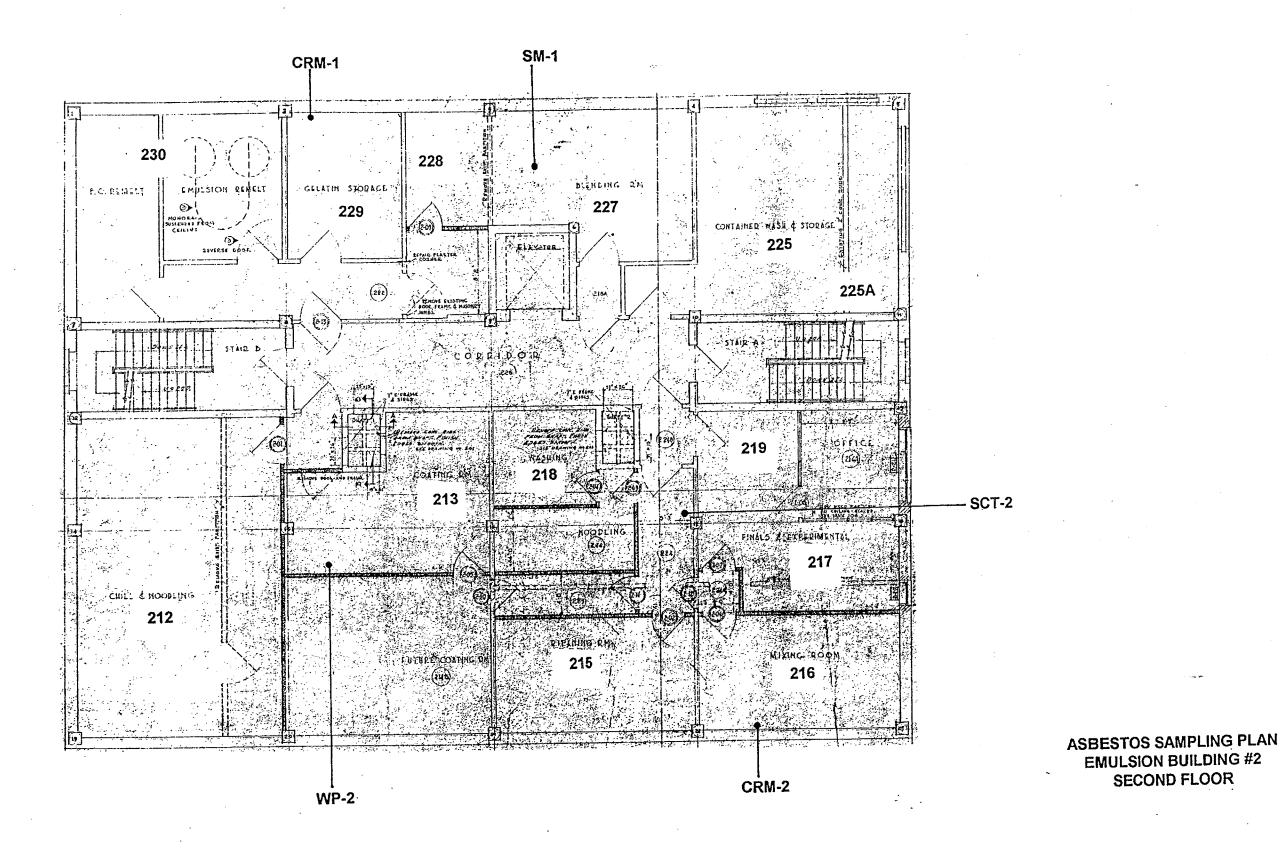


ASBESTOS SAMPLING PLAN EMULSION BUILDING #2 BASEMENT

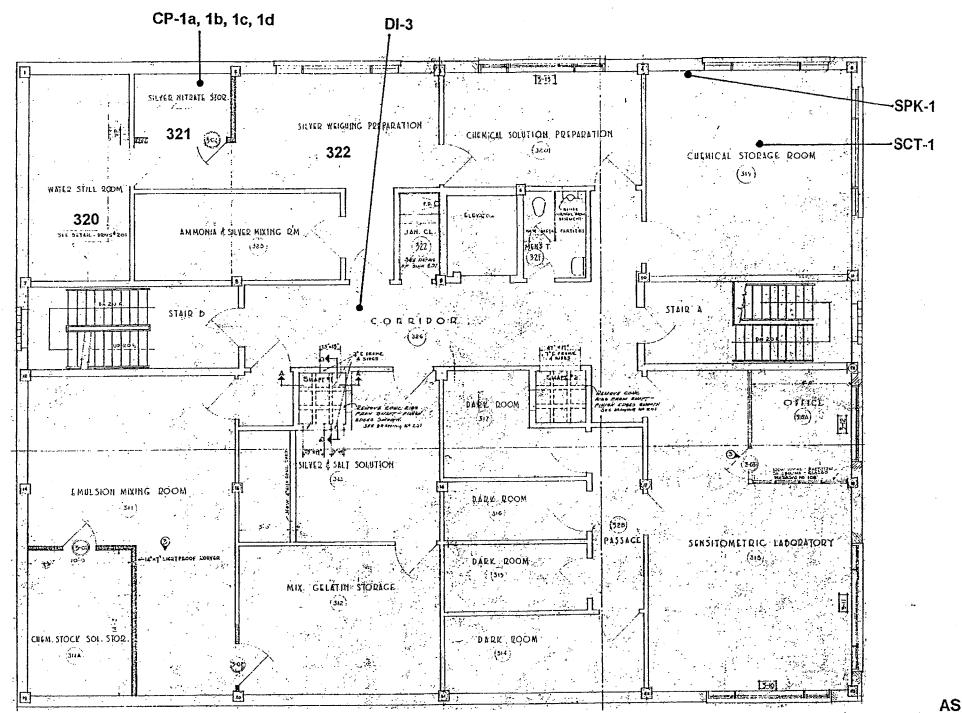


ASBESTOS SAMPLING PLAN EMULSION BUILDING #2 FIRST FLOOR

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

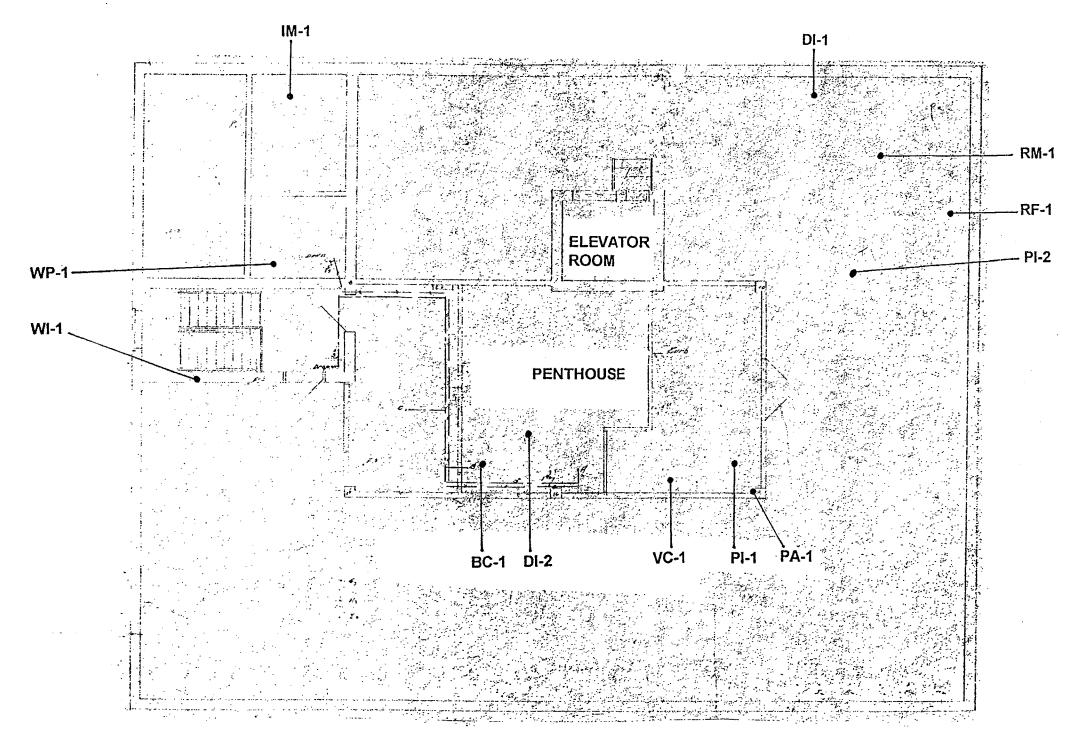


BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



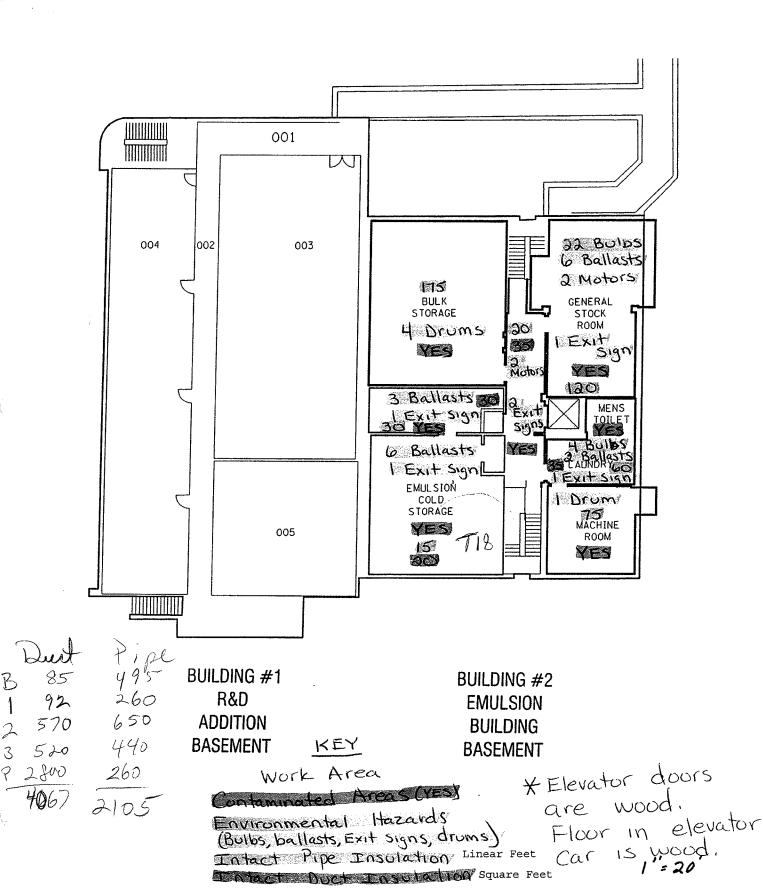
ASBESTOS SAMPLING PLAN EMULSION BUILDING #2 THIRD FLOOR

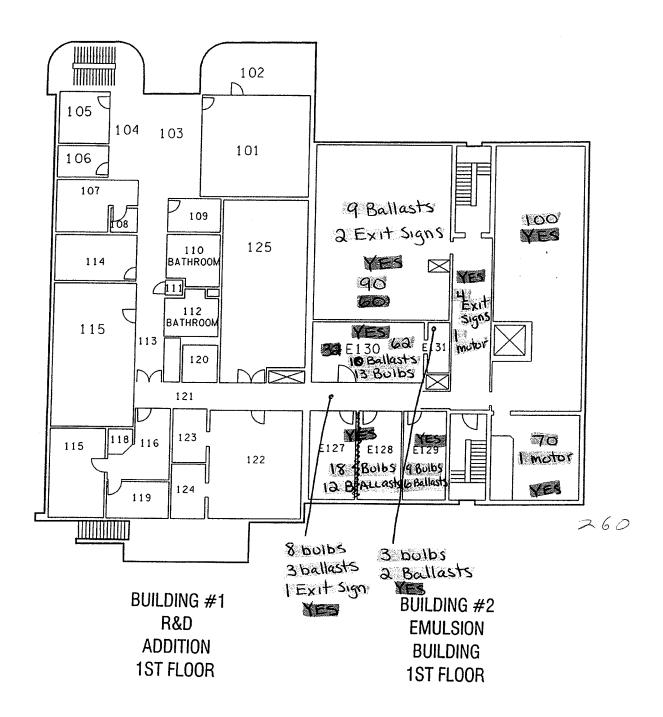
BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

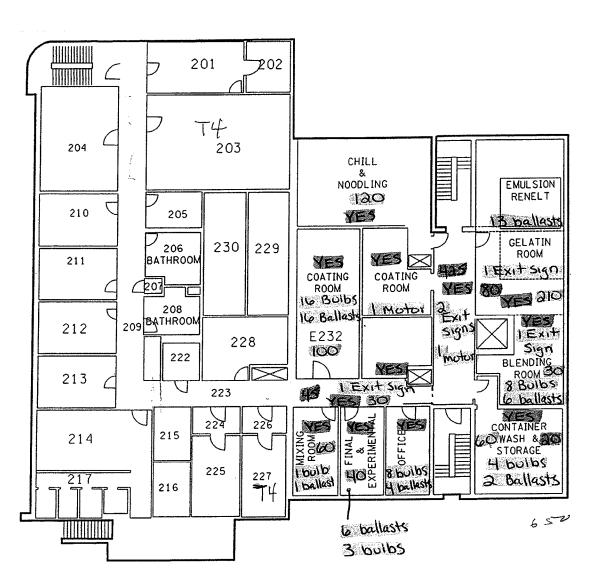


ASBESTOS SAMPLING PLAN EMULSION BUILDING #2 PENT HOUSE & ROOF

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



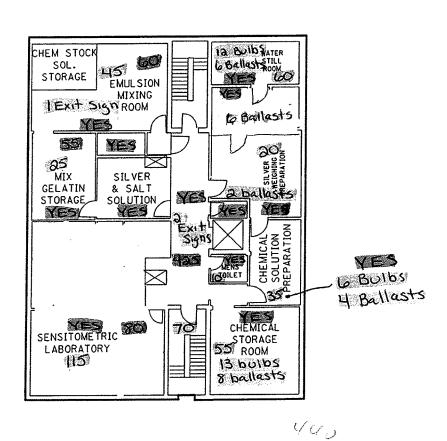




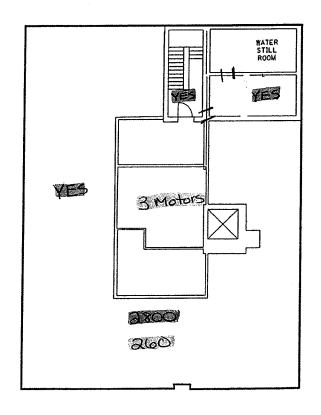
BUILDING #1 R&D ADDITION 2ND FLOOR

BUILDING #2 EMULSION BUILDING 2ND FLOOR

11 - -1



BUILDING #2 EMULSION BUILDING 3RD FLOOR



BUILDING #2 EMULSION BUILDING 4TH FLOOR PENTHOUSE



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

## PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6610-08

Location:

Former Photech Imaging Systems

Page: 1 of 2

Sample Date: 6/10/2008

Ì				PLM	PLM	N	TEM	TEM	PLM	PLM
Client ID	l ah ID	Sampling Location	Description	Asbestos	Total	0	Asbestos	Total	Non-Asbestos	Matrix
0.10.11.12		Camping Location	Description	Fibers Type &	Asbestos	В	Fibers Type &	Asbestos		Material
<u> </u>				Percentage			Percentage		Percentage	%
WAC-001	38508	Building 2 Exterior East Side	Gray Wall Caulk	Chrysotile 3%	3%		Not Required	N/A	None Detected	97%
WIC-002		Building 2 Exterior East Side Around Block Windows	Gray Window Caulk	Chrysotile 4%	4%		Not Required	N/A	None Detected	96%
										· · · · · · · · · · · · · · · · · · ·
					·					
										-

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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

\*\* 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: 6/16/2008

TEM Date Analyzed:

N/A

Microscope:

Olympus BH-2 #234206

TEM Analyst: N/A

PLM Analyst:

B. 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.

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Rev

	:	CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	R PLM ASBE	STOS AN	ALYSIS	OFFICE USE ONLY	SE ONLY
ENVOY	)X	Client: City of Rochester	Contact: Joseph	Joseph Biondolillo			
environmental consultants, inc.	ultants, inc.					(10) # qor	80-0190
145 Lake Avenue, Rochester, NY 14608 585-454-1060 * Fax 585-454-1062	ester, NY 14608 85-454-1062	Phone Number: 428-6649	Fax Number:				@ 6
ent Mailing Address: Church Street	;;	Results To: Ted Knapp	Turn Around Time:	5 X Other	] L	paggo.	8411/9
ity Hall Room 300-B	В	Date Sampled: 6/10/08	Material Type/Quantity: Friable X NOB	   	×	Loaded In By:	
chester, NY 14614		Project Location: Former Photech Imaging Systems	t Numb	0/80			つつ
General Location: Building 2,	n: Building 2	, Exterior					
Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
WAC-001	33508	Eastside		Gray		WAC	Non-Friable
WIC-002	509	Eastside, around block windows		Gray		WIC	Non-Friable
	•						
mpled By: Ted Knapp	дес	Date: 6/10/08	CHECK ONE:	SURVEY		BULKS ONLY	NLY

Cantainerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel ucter regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS

Paul Mahoney

TOTAL NUMBER OF SAMPLES IN SURVEY:

or provide TEM contact name:

6/10/08

Date:

Ted Knapp

Tinnsported to Paradigm By:

S. mpled By:

F ceived By:

Date:

#### **BUILDING #3 - GARAGE**

**Materials Sampled** Grey Duct Caulk

Black Roof Flashing

Black Roof Membrane

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

**ASBESTOS CONTAINING MATERIALS** 

GF	30	UND	FI	ററ	R
· • •	10	שאוט		$\mathbf{v}$	1 /

√ Garage

White Pipe Insulation

2

linear feet

ROOF

√ Roof

80

square feet

Black Roof Flashing Main Roof, La Rella 52509-2

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in nonfriable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

### MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

#### **GROUND FLOOR**

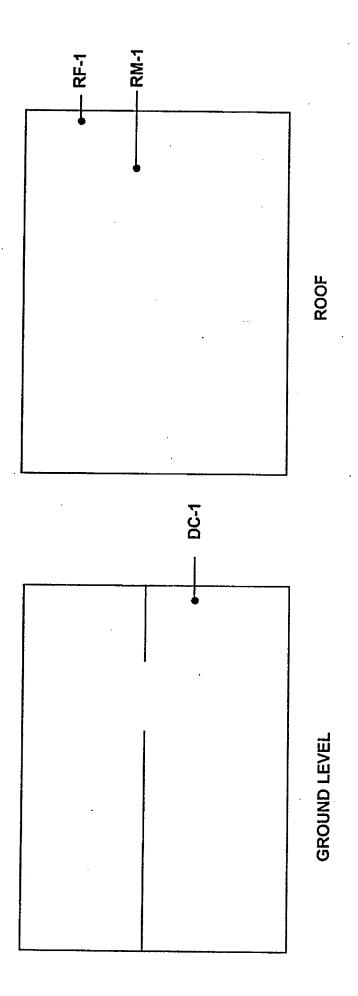
√ Garage

Grey Duct Caulk Negroby TEM

30

linear feet

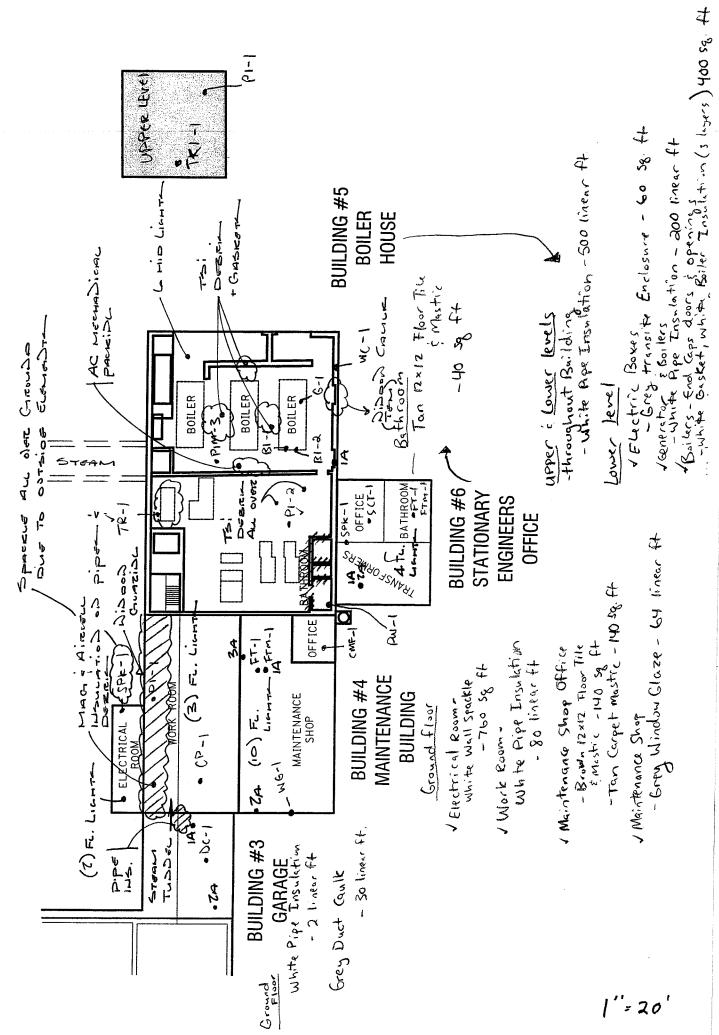
<sup>\*</sup>All quantities are approximations.



ASBESTOS SAMPLING PLAN GARAGE BUILDING #3

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

PREPARED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999



179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Rervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95127

**Building #3 Garage** 

1000 Driving Park Avenue, Rochester, New York

Page Number:

1 of 1

Sample Date:	04/30/1999	

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
DC-1	26352	Garage	Grey Duct Caulk	None Detected	0%	*	None Detected	100%
RF-1	26353	Roof Flashing	Black Fibrous Roof Flashing	Chrysotile 18%	18%		Cellulose 20%	62%
RM-1	26354	Roof Field	Black Fibrous Roof Membrane	None Detected	0%	*	Cellulose 30% TEM Neg	70%
							0	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

**Pate Analyzed:** 

05/05/1999

croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald -

**Laboratory Results Approved By:** 



### PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6665-08

Location:

Former Photech Imaging Systems

Building 3, Garage Exterior

Page: 1 of 2

Sample Date:

6/11/2008

1		<u> </u>		<u> </u>	PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
	0:: 4:5	<u>.</u> .			Asbestos	Total		Fibers Type &		Non-Asbestos	Matrix
i	Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В		Asbestos	Fibers Type &	Material
					Percentage					Percentage	%
/	WAC-001	38871	East Side Around	Tan Wall Caulk	Chrysotile 3%	3%		Not Required	N/A	None Detected	97%
			Garage Door								
	WAC-	38872	East Side Around	Tan Wall Caulk	Chrysotile 4%	4%		Not Required	N/A	None Detected	96%
/	001A		Garage Door		-			ĺ			
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**QAJVN** 

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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

\*\* 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: 6/16/2008

**TEM Date Analyzed:** 

Microscope:

Olympus BH-2 #234206

TEM Analyst: N/A

PLM Analyst:

B. 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.

Could   Turn Around Time:   Could   Turn Around Time:   Could   Cou	CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS  Rivinonmental consultants, inc.  C. H. Of Roches Lo.  C. H. Of Roches Lo.  Ale Avenue, Rochester, NY 14608 Phone Number:  Fax Number:
Turn Around Time:    Turn Around Time:   Date Logged In:   Logged In:	Has- 6649
Maderial Type/Quantity:  Friable  Project Number:  OS OH & Color Size Material Friability  Do not Analyze Color Size Material Friability  NAAC N  OS OH OF COLOR SIZE Material Friability  NAAC N  OHECK ONE: SURVEY X BULKS ONLY  OF PROVIDER TEM CONTACT LLY PERFORM TEM ON NOBS  TOTAL NUMBER OF SAMPLES IN SURVEY:	Signature Address: Results To:
Friable NOB TEM Logged In By: A Project Number:  OS CHECK ONE: SURVEY  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS  Friable NOB TEM CALLY PERFORM TEM ON NOBS  Logged In By: A SC Chiability  NAAC  NAA	Date Sampled
magung CS OH & Color Size Material Friability  mage door Pount Thu Whc N  I Thu Mhc N  CHECK ONE: SURVEY X  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS  TOTAL NUMBER OF SAMPLES IN SURVEY:	6/11/08
Do not Analyze Color Size Material Friability  TAND WAC N  TAND WAC  NAAC  NAA	Project Location: Former Photech
Size     Material     Friability       reage     door     Pount     TAN     WAC     N       N     TAN     WAC     N       N     TAN     NAAC     N       N     TANAC     N     NAAC     N       N     TOTAL NUMBER OF SAMPLES IN SURVEY:     N     NAAC     N	
Pount TAN WAC N  TAN WAC N  WA	
WAC NAC NAC NAC NAC NAC NAC NAC NAC NAC N	East side around a
CHECK ONE: SURVEY X BULKS ONLY CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name: TOTAL NUMBER OF SAMPLES IN SURVEY:	
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CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS  or provide TEM contact name:  TOTAL NUMBER OF SAMPLES IN SURVEY:	Date:
or provide TEM contact name:  TOTAL NUMBER OF SAMPLES IN SURVEY:	Mance Date:
TOTAL NUMBER OF SAMPLES IN SURVEY:	
	Date:

Cossainerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen are unally regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

# PARADIGM Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

## T.E.M. Results

**Client:** 

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Page Number: 2 of 5 Sample Date: 5/99-6/99

			:	TEM A		
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type	
CRM-1 B-2	24285	Second Floor Room 229 Wall	Yellow Ceramic Tile Mastic	, <1.0%	None Detected	
CRM-2 B-ス	24288	Second Floor Room 216	Yellow Ceramic Tile Mastic	<1.0%	None Detected	
FT-1 B-ス	24289	First Floor Room 124	Tan 12"x12" Floor Tile	<1.0%	None Detected	
FTM-1 B-ス	24290	First Floor Room 124	Black Fibrous Floor Tile Mastic from Sample 24289	<1.0%	None Detected	
EJ-1 B-2	32551	Exterior - Ground	Black Expansion Joint	<1.0%	None Detected	
RM-1 3-3	26354	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected	
RM-1 B-4	26318	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected	
RM-A.1 B-7	25229	Roof Field	Black Fibrous Roof Membrane (Layer 1)	<1.0%	None Detected	
RM-A.2 B-7	25230	Roof Field	Black Fibrous Roof Membrane (Layer 2)	<1.0%	None Detected	
DI-2 飞-7	25232	Basement - Coating Room	Tan Fibrous Duct Insulation Mastic	<1.0%	None Detected	

ELAP ID No.: 10984

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

Date Analyzed:

Analyst:

07/09/1999

Tim Wilhelm

Laboratory Results Approved By:

## BULK SAMPLE ASBESTOS ANALYTICAL REPORT

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

	(""""	
LBL JOB #	525	09

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT # 209288 phase 2

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

Rochester, NY 14614

SAMPLE DATE: 09/15/2009

PROJECT LOCATION: Photech - Building #3

ASBESTOS OTHER FIELD ID LBL ID FIBERS MATRIX COLOR / DESCRIPTION TYPE 52509-1 ND MIN/BINDER 100 GRAY DUCT CAULK ND 3-1A CHRYSOTILE CELLULOSE 3-2A 52509-2 TAR 64 BLACK BUILT-UP ROOFING

PLM Method EPA 600/M4/82/020

Lab Supervisor: -

- None Detected CELL-Cellulose JC - Joint Compound

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

MIN - Mineral GLASS - Fiberglass

<1 = Trace

PLAS - Plaster

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

Page 1 of 1

<sup>\*&</sup>quot;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.

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Job No.: 7 PIN/ BIN: 9 LaBella Lab N	O9788 / 7    1=   09    0.: 52509  Protocol: Yes   No	Client: C174 of COCHESTER  Rates: 70/70/50  Sampled by: Mitch Smith  Relinquished by: Mitch Smith  Received by: Matt Smith  Number of Samples:								
Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition						
3-1A	HVAC DUCT C LORTH EDD OF CHARACE	CHULK		<u> </u>						
3-7A	SE CORDER of ITOOF @ HOLE IN TOOF	Built-Jp 1200file								

## **BUILDING #4 - MAINTENANCE SHOP**

## **Materials Sampled**

Grey Ceiling Plaster
White Spackle
Tan Carpet Mastic Floor
Brown 12" x 12" Floor Tile
Black Floor Tile Mastic
Grey Window Glaze
Black Roof Flashing
Black Roof Membrane
Grey Roof Decking
White Pipe Insulation

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

ASBESTOS CONTAINING MATERIALS

GROUND FLOOR Group Wall Carelle Faradigm 6666-08

√Electric Room White Wall Spackle

760 square feet

√Work Room

White Pipe Insulation

80

linear feet

**ROOF** 

√ Roof Black Roof Flashing

200

square feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

## MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

GROUND FLOOR

Neg La Bella 50009 - 1+3

Maintenance

Brown 12" x 12" Floor Tile & Mastic

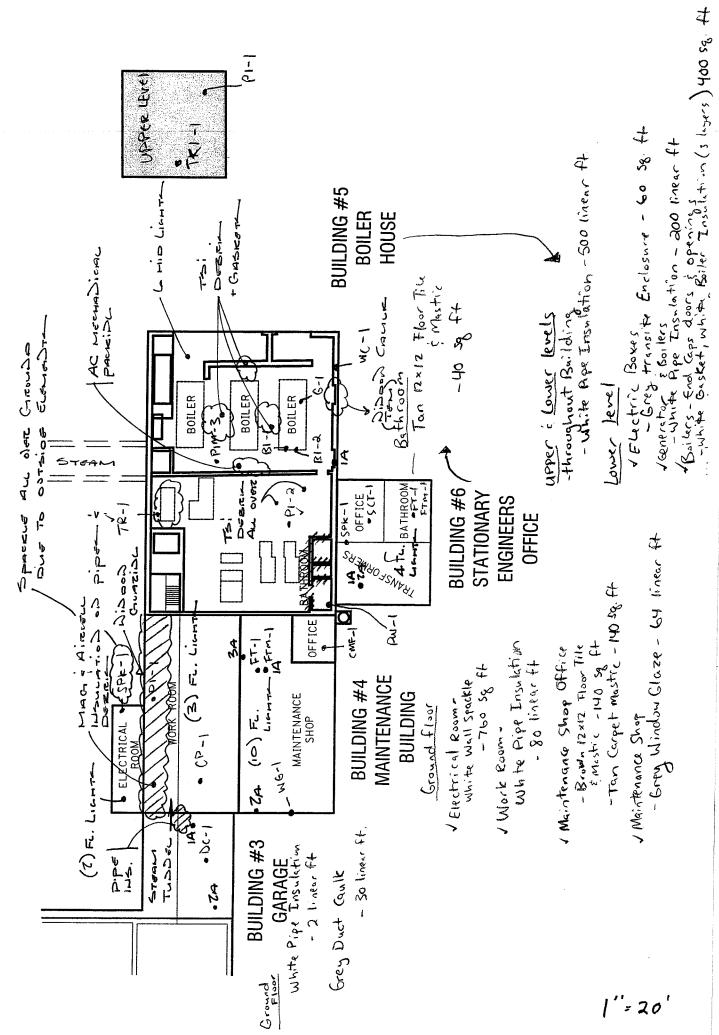
✓ Maintenance Brown 12" x 12" Floor Tile & Mastic 140 square feet Shop Office Tan Carpet Mastic 140 square feet

✓ Maintenance Shop Grey Window Glaze

Pos La Bella 50009-2

64 linear feet

<sup>\*</sup>All quantities are approximations.



## <u>PARADIGM</u>

**Environmental** 

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Building #4 - Maintenance Shop

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/30/1999

Job Number:

95122

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
CP-1	26311	Work Room	Grey Ceiling Plaster	None Detected	0%		Cellulose 8%	92%
SPK-1	26312	Electric Room	White Fibrous Spackle	Chrysotile 8%	8%		Cellulose 5%	87%
CMF-1	26313	Office	Tan Carpet Mastic Floor	None Detected	0%	*	None Detected	100%
FT-1	26314	Maintenance Shop	Brown 12" x 12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-1	26315	Maintenance Shop	Black Floor Tile Mastic from Sample 26314	None Detected	0%	#	None Detected	100%
WG-1	26316	Maintenance Shop	Grey Fibrous Window Glaze	None Detected	0%	*	Wollastonite 10%	90%
RF-1	26317	Roof Flashing	Black Fibrous Roof Flashing	Chrysotile 15%	15%		Cellulose 50%	35%
RM-1	26318	Roof Field	Black Fibrous Roof Membrane	None Detected	0%	*	Cellulose 60%	40%
RD-1	26319	Roof Decking	Grey Fibrous Roof Decking	None Detected	0%		Cellulose 15%	85%
							ELAP ID No : 10958	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

# <1.0% of sample remained after matrix reduction. TEM analysis is not required or necessary.

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically

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.

Pate Analyzed:

05/07/1999

croscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

Laboratory Results Approved By:

## <u>PARADIGM</u>

## **Environmenta**

#### 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Pervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Sample Date:

Former Photech Imaging Systems

Job Number:

95923

**Building #4 - Maintenance Shop** 

1000 Driving Park Avenue, Rochester, New York

05/21/1999

Page Number:

1 of 1

anpie Dato.				1				
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Materia %
PI-1	32198	Work Room	White Fibrous Pipe Insulation	Chrysotile 80%	80%		Cellulose 10%	10%
		·						
			·					

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

**Date Analyzed:** 

05/21/1999

icroscope:

Olympus BH-2 #232953

Analyst: Patrick Fitzgerald

**Laboratory Results Approved By:** 

## **PARADIGM**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

## T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems 1000 Driving Park Avenue, Rochester, New York Job No:

Sample Date: 5/99-6/99

Page Number: 2 of 5

			: <u> </u>		nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
CRM-1 B-2	24285	Second Floor Room 229 Wall	Yellow Ceramic Tile Mastic	, <1.0%	None Detected
CRM-2 B-久	24288	Second Floor Room 216	Yellow Ceramic Tile Mastic	<1.0%	None Detected
FT-1 B-ス	24289	First Floor Room 124	Tan 12"x12" Floor Tile	<1.0%	None Detected
FTM-1 B-ス	24290	First Floor Room 124	Black Fibrous Floor Tile Mastic from Sample 24289	<1.0%	None Detected
EJ-1 B-久	32551	Exterior - Ground	Black Expansion Joint	<1.0%	None Detected
RM-1 B-3	26354	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected
RM-1 B-4	26318	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected
RM-A.1 B-7	25229	Roof Field	Black Fibrous Roof Membrane (Layer 1)	<1.0%	None Detected
RM-A.2 B-7	25230	Roof Field	Black Fibrous Roof Membrane (Layer 2)	<1.0%	None Detected
DI-2 B-7	25232	Basement - Coating Room	Tan Fibrous Duct Insulation Mastic	<1.0%	None Detected

ELAP ID No.: 10984

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

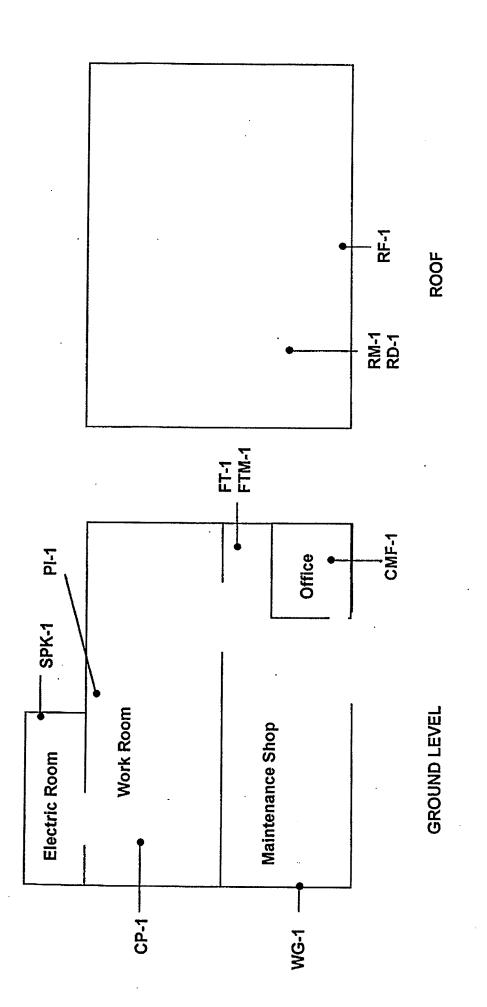
Date Analyzed:

07/09/1999

Analyst:

Tim Wilhelm

Laboratory Results Approved By:



ASBESTOS SAMPLING PLAN MAINTENANCE BUILDING #4

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

PREPARED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999



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

## PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6666-08

Location:

Former Photech Imaging Systems

Page: 1 of 2

Building 4, Exterior Sample Date:

6/11/2008

				PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
	l			Asbestos	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
				Percentage		Ĺ.,			Percentage	%
WAC-001	38873	East Wall	Gray Wall Caulk	Chrysotile 9%	9%		Not Required	N/A	None Detected	91%
WAC- 001A	38874	East Wall	Gray Wall Caulk	Chrysotile 7%	7%		Not Required	N/A	None Detected	93%
WAC-002	38875	East Wall	Gray Wall Caulk	Chrysotile 7%	7%		Not Required	N/A	None Detected	93%
WAC- 002A	38876	East Wall	Gray Wall Caulk	Chrysotile 6%	6%		Not Required	N/A	None Detected	94%
EXJ-003	38877	East Wall	Black Expansion Joint	Chrysotile 7%	7%		Not Required	N/A	None Detected	93%
:XJ-003A	38878	East Wall	Black Expansion Joint	Chrysotile 5%	5%		Not Required	N/A	None Detected	95%
							:			

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/16/2008

**TEM Date Analyzed:** 

N/A

Microscope:

Olympus BH-2 #233173

TEM Analyst: N/A

PLM Analyst:

F. Childs

Laboratory Results Approved By: **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 laboratory

ASBESTOS ANALYSIS OFFICE USE ONLY		12 Biondoli 110 Job#: 6666-08		Page of		3 5 X Other Date Logged In: 6/13/10 8	Material Type/Quantity:	NOB TEM Logged In By:		०४ ० ५४ ७		Do not Analyze Color Size Material Friability	Paint GRY WAC N	Paint GRY WAC N	BIN GRY WAC N	BIK GRY WAC N	Bik ExJ N	BIK EXT N				ONE: SURVEY X BULKS ONLY	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS		Received By: A Date: 10/13/08 TOTAL NUMBER OF SAMPLES IN SURVEY:
CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	Client: Contact:	Rochester	Phone Number: Fax Number:	438-6649	Results To: Turn Around Time:	B Ted Knapp 1 2	Date Sampled:	(o   11   O8   Friable	Project Location: Project Number:	otech Imaging	4 Exterior	oling Location	East woll Pa	1	(8)	18	7	17				Date: $\Box$ CHECK ONE: $\Box$	Date:	9/11/08	Date: (0) 3/08 TOTAL NU
	ENVOY	nvironmental consultants, inc.	14 Lake Avenue, Rochester, NY 14608	85.454.1060 * Fax 585.454.1062	Clie t Mailing Address:	30 Church St Room 300-B		Respected MY 14614	i		Seneral Location: RIds	Client ID Lab ID	1 WAC-001 38873	2 NAC-001A 874	3 NAC-000 875	4 WAS -000 14 876	5 xx-003	878 ASU-CX3 8	 8	6	10	ll d	Tre sported to Paradigm By:	より 10 10 10 10 10 10 10 10 10 10	Received By: PKA

Congainerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

## **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

LBL JOB #	500	09

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288 phase 2

500

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

Rochester, NY 14614

SAMPLE DATE: 09/10/2009

PROJECT LOCATION: Photech - Building #4

		method	ASBESTOS		OTHER	I			
FIELD ID	LBL ID	met	TYPE	%	FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
4-1A	50009-1	Т	ND		ND		MIN/VINYL	100	BROWN FLOOR TILE W/BLACK MASTIC
4-2A	50009-2	T	CHRYSOTILE	6.3	CELLULOSE	0.7	MIN/BINDER	93	WHITE WINDOW GLAZING
4-3A	50009-3	Т	ND		ND		MIN/BINDER	100	TAN ADHESIVE
									ACCOUNT ACCOUN
							ween.		
							, , , , , , , , , , , , , , , , , , , ,		

PLM Method EPA 600/M4/82/020

Lab Supervisor:

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.

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Job No.:	PHOTECH - BLOG 209788   7 	Rates: 701 Sampled by: Mitch Relinquished by: M Received by: Matt	To   So Smith Litch Smith Smith	<b>*****</b>
Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition
4-1A	BLOG 4 IN AD CORDER OF MAIDE. SHOP	LT. BRODD 17x17 FLOOR TILE DI BLACK MOSTIC		FAIR
4-79	BLOCK 4 OD SOTH DIDOOD OF MAIDT.	DiDDOD		Fair
4·3n	BLOG 4 00 MORTH DALL BOLON PADELIDL	TOD		<u>C-1005</u>



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

## PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6667-08

Location:

Former Photech Imaging

Page: 1 of 2

Building 4, Exterior

Sample Date: 6/11/2008

				PLM	PLM	N	TEM	TEM	PLM	PLM
Oliana ID		0	D	Asbestos	Total	0	Asbestos	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Fibers Type &	Asbestos	Fibers Type &	Material
				Percentage			Percentage		Percentage	%
WIC-004	38879	Westside Windows	Gray Window Caulk	Chrysotile 6%	6%		Not Required	N/A	None Detected	94%
WIG-005	38880	Westside Windows	Tan Window Glaze	None Detected	0%		Not Required	N/A	None Detected	100%
WIG- 005A	38881	Westside Windows	Tan Window Glaze	None Detected	0%		Not Required	N/A	None Detected	100%
TAR-006	38882	Westside Shed	Black Fibrous Tar	Chrysotile 12%	12%	1	Not Required	N/A	None Detected	88%
TAR- 006A	38883	Westside Shed	Black Fibrous Tar	Chrysotile 15%	15%	1	Not Required	N/A	None Detected	85%
***************************************										

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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").

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

\*\* 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: 6/16/2008

**TEM Date Analyzed:** 

Microscope:

Olympus BH-2 #234206

TEM Analyst: N/A

PLM Analyst:

B. Weinman

Laboratory Results Approved By: 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 laboratory and analysts' and precision) is available upon request.

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**************************************	NALYSIS OFFICE USE ONLY		100 H (0 66 1-0X		Page Not Of all		Other Date Logged In: (a) 3108	7 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				Size Material Friability	2 JHM	WIG Z	S SIM	TAR	THR. N				X BULKS ONLY	Y PERFORM TEM ON NOBS		ES IN SURVEY: 33
	R PLM ASBESTOS A	Contact:	Joseph Brandulillo			ınd Time:	X	I Type/Quantity:		CSOHSE		Do not Analyze Color	Paint GRY	2x - 1	2XL	" BIK	" BIK		-		CHECK ONE: SURVEY	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	or provide TEM contact name:	TOTAL NUMBER OF SAMPLES IN SURVEY:
	CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	Client:	City of Rechester	umber:	438-6649	Results To:		Date Sampled	Project I ocation:	Former Photech Imagina	,	l	Westside Windows	VI	7	Westside Sned					Date: (a)	Date:	20/11/9	Date: 1 1 0
		ENVOY	nvironmental consultants, inc.	145° ake Avenue, Rochester, NY 14608	5.454.1060 * Fax 585.454.1062	Clier Mailing Address:	30 Church St Room 300-B		Rollhester MY 14614	-010 <b>a</b> 21		ab 10	PT886 -004 38879			-AR-00-882	588 Maco - 24		6	01	∏. Jee_iu	L. Enright 6 Mance		Received By:

Combinerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carciund regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

## **BUILDING #5 - POWER PLANT**

## **Materials Sampled**

Black Pipe Wrap

White Pipe Insulation

**Grey Transite** 

White Gasket

White Boiler Insulation

White Window Caulk

Black Roof Flashing

Black Roof Membrane

**Brown Tank Insulation** 

Tan Pipe Insulation Mastic on Foam

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

#### ASBESTOS CONTAINING MATERIALS

#### **UPPER & LOWER LEVELS**

✓ Throughout Building	White Pipe Insulation	500	linear feet
LOWER LEVEL			
✓ Electric Boxes	Grey Transite Enclosure	60	square feet
✓ Generator and Boilers	White Pipe Insulation	200	linear feet
✓ Boilers-End Caps Doors & Openings W; wd. ROOF	White Gasket, White Boiler Insulation (3 Layers) on Glazeng LaBella 501	400 09-1	square feet
√ Roof	Black Roof Membrane Black Roof Flashing	2,400 200	square feet square feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

## MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

## **LOWER LEVEL**

√ Boiler Room

White Window Caulk

112

linear feet

<sup>\*</sup>All quantities are approximations.

<sup>\*\*</sup>The Cooling Tower on the roof was not sampled as the tower is structurally unsafe.

## **PARADIGM**

## **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Description

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95126

.... D

Building #5 - Power Plant

1000 Driving Park Avenue, Rochester, New York

Page Number:

T Non-Asbestos

1 of 1

Sample Date:	04/30/1999	
Client ID	Lab ID	Sampling Location

Client ID	Lab ID	Sampling Location	Description	Fibers Type & Percentage	Asbestos	EM	Fibers Type & Percentage	Material %
PW-1	26342	Tunnel to Building 5	Black Fibrous Pipe Wrap	Chrysotile 7%	7%		Mineral Wool 10%	83%
PI-1	26343	Upper Level	White Fibrous Pipe Insulation	Chrysotile 10% Amosite 20%	30%		Cellulose 15%	55%
TR-1	26344	Lower Level - Electric Box Enclosure	Grey Fibrous Transite	Chrysotile 35%	35%		None Detected	65%
PI-2	26345	Lower Level - Generator	White Fibrous Pipe Insulation	Chrysotile 10% Amosite 20%	30%		None Detected	70%
G-1	26346	Boiler Room - Boiler	White Fibrous Gasket	Chrysotile 80%	80%		None Detected	20%
BI-1	26347	Boiler Room - Boiler End Caps	White Fibrous Boiler Insulation	Chrysotile 55%	55%		None Detected	45%
B1-2	26348	Boller Room - Boiler End Caps	White Fibrous Boiler Insulation	Chrysotile 35%	35%		None Detected	65%
WC-1	26349	Boiler Room - Window	White Window Caulk	None Detected	0%	*	None Detected	100%
RF-1	26350	Roof Flashing	Black Fibrous Roof Flashing	Chrysotile 15%	15%		Cellulose 40%	45%
RM-1	26351	Roof Field	Black Fibrous Roof Membrane	Chrysotile 3%	3%		Cellulose 65%	32%
	<u> </u>	<u> </u>			<del></del>		ELAP ID No : 10958	<u> </u>

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

nate Analyzed:

05/07/1999

croscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

**Laboratory Results Approved By:** 

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

**Client:** 

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95925

Building #5 - Power Plant

1000 Driving Park Avenue, Rochester, New York

Sample Date:

05/20/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
TKI-1	32200	Upper Level - Tank	Brown Fibrous Tank Insulation	None Detected	0%		Cellulose 15%	85%
			·					
				·				
								,
			·					
				·				
	·							
						·	ELAP ID No.: 10958	

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed:

05/21/1999

croscope:

Olympus BH-2 #232953

Patrick Fitzgerald analyst:

**Laboratory Results Approved By:** 

## **PARADIGM**

## **Environmenta**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Pervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Sample Date:

Former Photech Imaging Systems

Job Number:

97196

Building #5 - Power Plant

06/16/1999

1000 Driving Park Avenue, Rochester, New York

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PIM-3	40604	Lower Level	Tan Pipe Insulation Mastic on Foam	None Detected	0%	*	Cellulose 6%	94%
·					:			
				7.				
			,					
					:			
			·					

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically

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.

**Date Analyzed:** 

06/21/1999

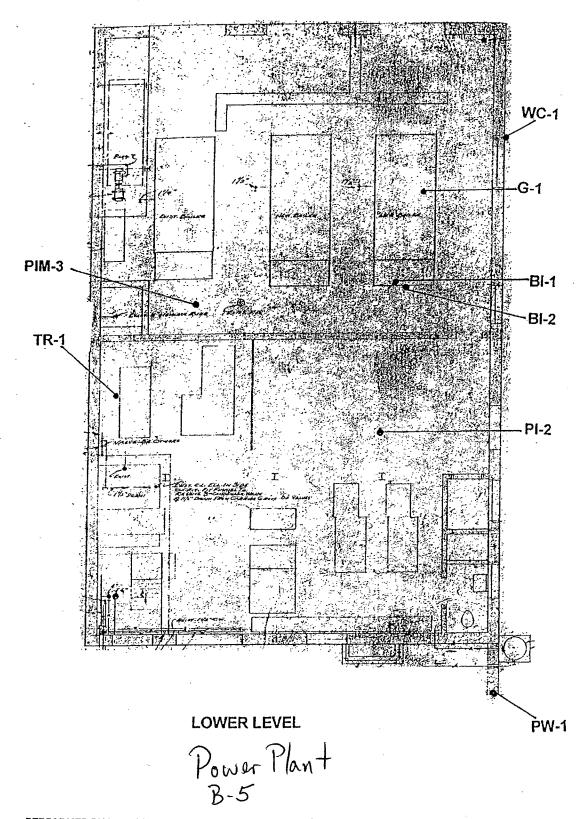
croscope:

Olympus BH-2 #232953

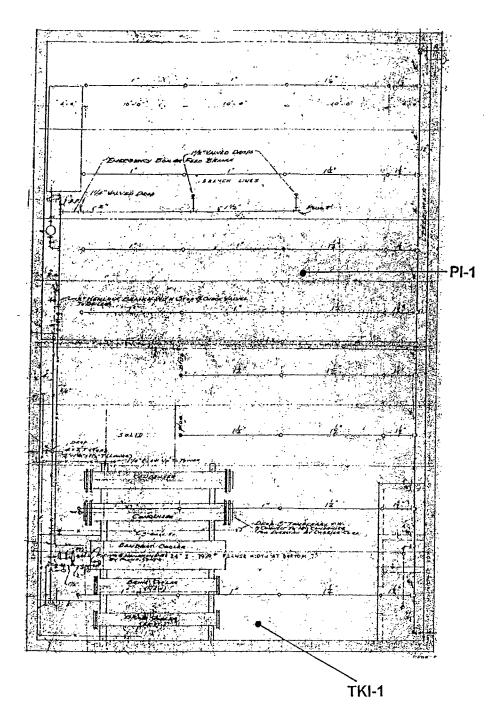
Analyst:

Mary Dohr

Laboratory Results Approved By:

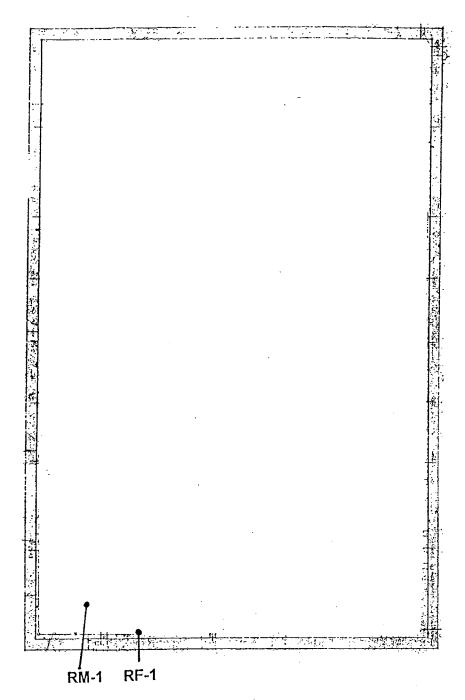


PERFORMED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999



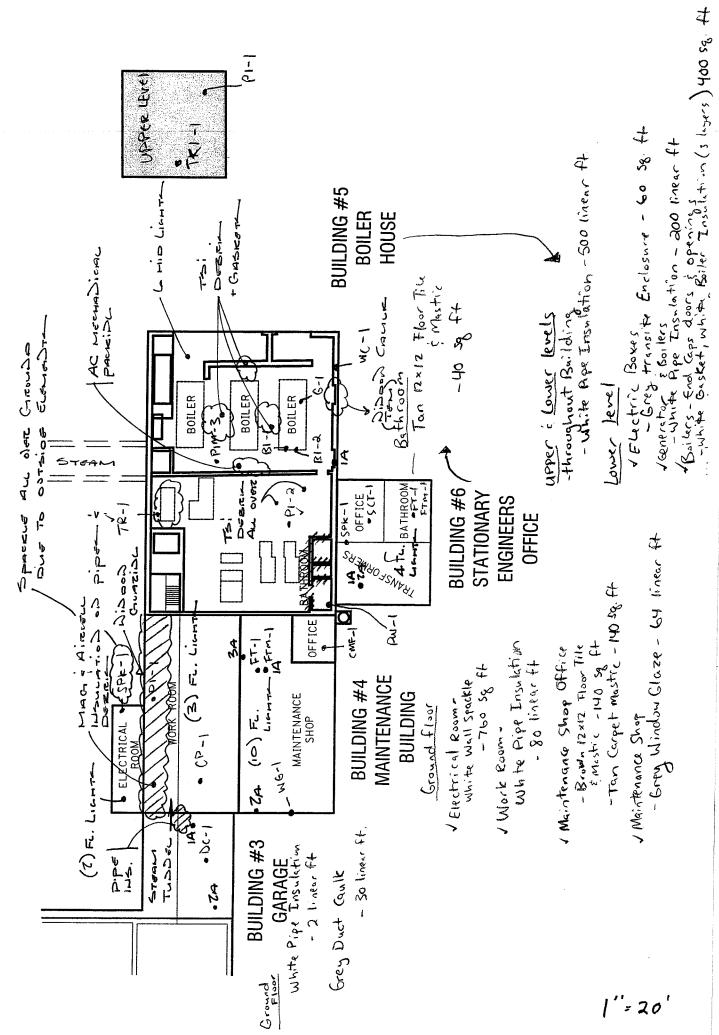
**UPPER LEVEL** 

ASBESTOS SAMPLING PLAN POWER PLANT #5



Power Plant B-5

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK





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

## PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

**Job No:** 6668-08

Location:

Former Photech Imaging

Page: 1 of 2

Building 5, Exterior

Sample Date:

6/11/2008

	<del></del>			PLM	PLM	N	TEM	TEM	PLM	PLM
				Asbestos	Total	0	Asbestos	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Fibers Type &	Asbestos	Fibers Type &	Material
				Percentage			Percentage		Percentage	%
TRN-001	38884	Roadway East of	Gray Fibrous .	Chrysotile 44%	44%		Not Required	N/A	None Detected	56%
		Building 5 + @	Transite							
		TRADSTOOMS	FE.	}						
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Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

**√ NOB** (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/13/2008

TEM Date Analyzed:

N/A

Microscope:

Olympus BH-2 #233173

TEM Analyst: N/A

PLM Analyst:

F. Childs

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

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			CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	R PLM ASBES	TOS ANAL	YSIS	OFFICE USE ONLY	E ONLY
	ENVOY	OY	Client:	Contact:			, ,	(
	environmental consultants, inc.	ısultants, inc.	A Rockest		Biondoli No		30) :# gor	80-8999
14	145 Lake Avenue, Rochester, NY 14608	hester, NY 14608	Phone Number:	Fax Number:			Ć	1
	585.454.1060 * Fax 585.454.1062	K 585.454.1062	438 - 6649				Page 💍	TO O S
Zie Biz	Slient Mailing Address:	iss:	Results To:	Turn Around Time:			,	0
4	8-00% Charles & to Common 200-18	F Presson 300-	Ted Knapp	1 2 3	5 X Other	<u> </u>	Date Logged In: 6/13/108	2012/10
1			Date Sampled	Material Type/Quantity:				(
α	Reschools MY	746014	6/11/08	Friable NOB	TEM		Togged In By: TXD	
1		I	Project Location:	Project Number:				)
	General Location:	ition: Rida	701					
	Client ID	à		Do not Analyze	Color	Size	Material	Friability
1	TRN-001	48888	Roadway east of Bldg 5	BIK Paint	GRY		787	2
7			7)					
3								
4								
5								
9								
7								
∞								
6								
10								
Sa	Sampled By:	d By:	Date: (∠   11   ⊖\$	CHECK ONE:	SURVEY	Ų.	BULKS ONLY	NT A
7.	Transported to Paradigm By:	adigm By:	Date:	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	ATICALLY PERF	ORM TEI	N ON NOBS	X
	C, E	Enright	(0/11/08	or provide TEM contact name:	tact name:			
Re	Received By:	100×	Date: 6/13/08	TOTAL NUMBER OF SAMPLES IN SURVEY:	SAMPLES IN SI	JRVEY:		33
	1	)						

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

## BULK SAMPLE ASBESTOS ANALYTICAL REPORT

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

LBL JOB #	50109
LDL JUD#	50107

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288 phase 2

CLIENT: Labella Associates, PC

Rochester, NY 14614

SAMPLE TYPE: PLM Bulk

501

ADDRESS: 300 State Street

SAMPLE DATE: 09/10/2009

PROJECT LOCATION: Photech - Building #5

PROJECT LOCATION:	1 110 10011	8							
		tho	ASBESTOS	L	OTHER FIBERS			100000000000000000000000000000000000000	
FIELD ID	LBL ID	method	TYPE	%	FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
5-1A	50109-1	Т	CHRYSOTILE	6.8	CELLULOSE	0.2	MIN/BINDER	93	BROWN WINDOW GLAZING
	-								
							*****		
				<del> </del>					
	*****								
									,

PLM Method EPA 600/M4/82/020

Lab Supervisor:

Date: \_

- None Detected CELL-Cellulose

JC - Joint Compound

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

MIN - Mineral GLASS - Fiberglass

<1 = Trace

PLAS - Plaster

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

<sup>\*&</sup>quot;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 1

## ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Location: F	HOTECH - BLOG	Client: Ci74 8	FROCHE	<u> \$</u> ተምፘ		
Job No.: 7	209788 / 7	Rates: 701.				
PIN/ BIN:		Sampled by: <u>Mitch</u>	•			
Date: 9	10 09	Relinquished by: M		·		
	No.: 50109	Received by: Matt S				
	Protocol: Yes No					
Field ID#	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition		
	BLDG. 5 0)	SEED GOOGIG				
5-14	EAST DIDOOD					
	· ·					
	· · · · · · · · · · · · · · · · · · ·					
	480					
		·				
	•					

## **BUILDING #6 - ENGINEERING OFFICE**

**Materials Sampled** 

White/Grey 2' x 4' Ceiling Tile White Spackle Tan 12" x 12" Floor Tile Black Floor Tile Mastic

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

**ASBESTOS CONTAINING MATERIALS** 

ROOF

√ Roof

Black Roof Field

700

square feet

Black Roof Flashing

150

square feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

## MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

**GROUND FLOOR** 

√ Bathroom

Tan 12" x 12" Floor Tile & Mastic

40

square feet

Both near by TEM La Bella 50209-1+2

\*All quantities are approximations.

\*\*Roof field and flashing are identical to Building 5.

## <u>PARADIGM</u>

## **Environmental**

#### 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Sample Date:

Former Photech Imaging Systems

Job Number:

95123

Building #6 - Engineering Office

04/30/1999

1000 Driving Park Avenue, Rochester, New York

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material % 50%	
SCT-1	26320	Office	White/Grey Fibrous 2' x 4' Celling Tile	None Detected	0%		Cellulose 25% Mineral Wool 25%		
SPK-1	26321	Office	White Fibrous Spackle	None Detected	0%		None Detected	100%	
FT-1	26322	Bathroom	Tan 12" x 12" Floor Tile	None Detected	0%	*	None Detected	100%	
FTM-1	26323	Bathroom	Black Floor Tile Mastic from Sample 26322	None Detected	0%	*	None Detected	100%	
· ·						<u> </u>			

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

nate Analyzed:

05/06/1999

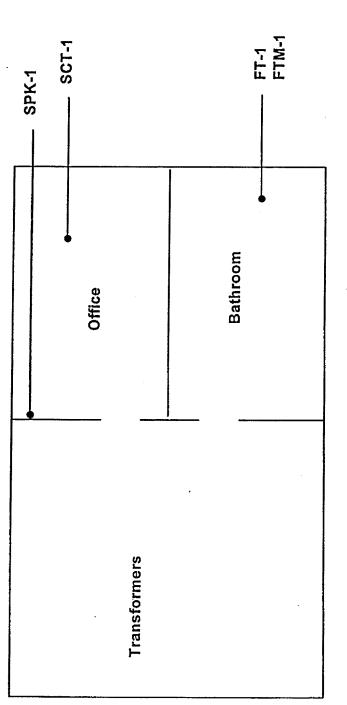
croscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

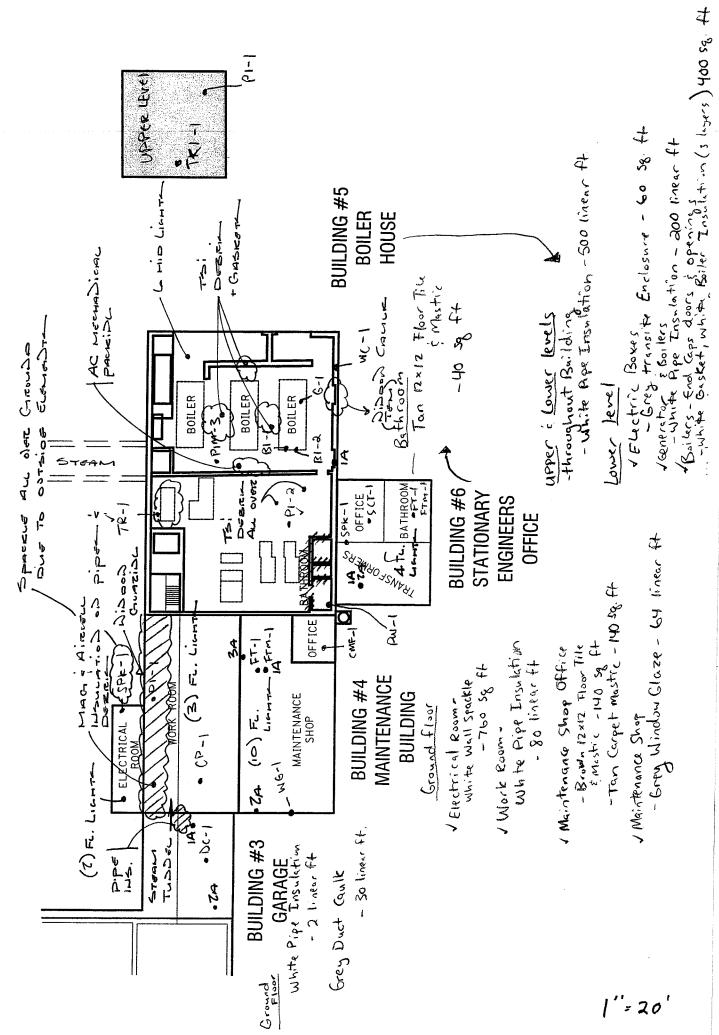
**Laboratory Results Approved By:** 



**GROUND LEVEL** 

ASBESTOS SAMPLING PLAN ENGINEERING OFFICE BUILDING #6

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTEC IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK



## **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

LBL JOB #	5020	9

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288 phase 2

502

CLIENT: Labella Associates, PC

ADDRESS: 300 State Street

Rochester, NY 14614

SAMPLE TYPE: PLM Bulk

SAMPLE DATE: 09/10/2009

PROJECT LOCATION: Photech - Building #6

PROJECT LOCATION:		7		<del></del>					
	•	method	ASBESTOS	%	OTHER	69		. ed	
FIELD ID	LBL ID	Ħ	TYPE		FIBERS	%	MATRIX	70	COLOR / DESCRIPTION
6-1A	50209-1	T	ND		ND		MIN/VINYL	100	OFF-WHITE FLOOR TILE
6-2A	50209-2	Т	ND		ND		MASTIC	100	BLACK MASTIC
			'						
WAAAAAAAA									
							***************************************		
100a 81 Min.									
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									THE STATE OF THE S
					W. J. J.				
									· · · · · · · · · · · · · · · · · · ·

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

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.

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Job No.: 7 PIN/ BIN: Date: LaBella Lab N	7   10   09   0.: <u>50209</u>   Protocol: Yes	Rates: 701 Sampled by: Mitch Relinquished by: M Received by: Matt	To   So h Smith Litch Smith Smith	<b>5</b> -7->
ID#	Sample Location	be Analyzed	Approx. Amount	Condition
- IA	BUDG. # 6 BATHITOOM FLOOR	12×17 FLOOR		
6-ZA	11	BLACK MASTIC		



## PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Building 6, Exterior

Job No: 6669-08

Location:

Former Photech Imaging Systems

Page: 1 of 2

Sample Date:

6/11/2008

	Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type &	PLM Total Asbestos	0	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type &	PLM Matrix Material
					Percentage					Percentage	%
/	WIC-001	38885	Around Window	Gray Window Caulk	Inconclusive No Asbestos Detected	0%	1	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
/	WIC- 001A	38886	Around Window	Gray Window Caulk	Inconclusive No Asbestos Detected	0%	1	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
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-										-	
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NVLAD

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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."). √ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/16/2008

TEM Date Analyzed: 6/17/2008

Microscope:

Olympus BH-2 #233173

TEM Analyst: F. Childs

PLM Analyst:

F. Childs

Laboratory Results Approved By:

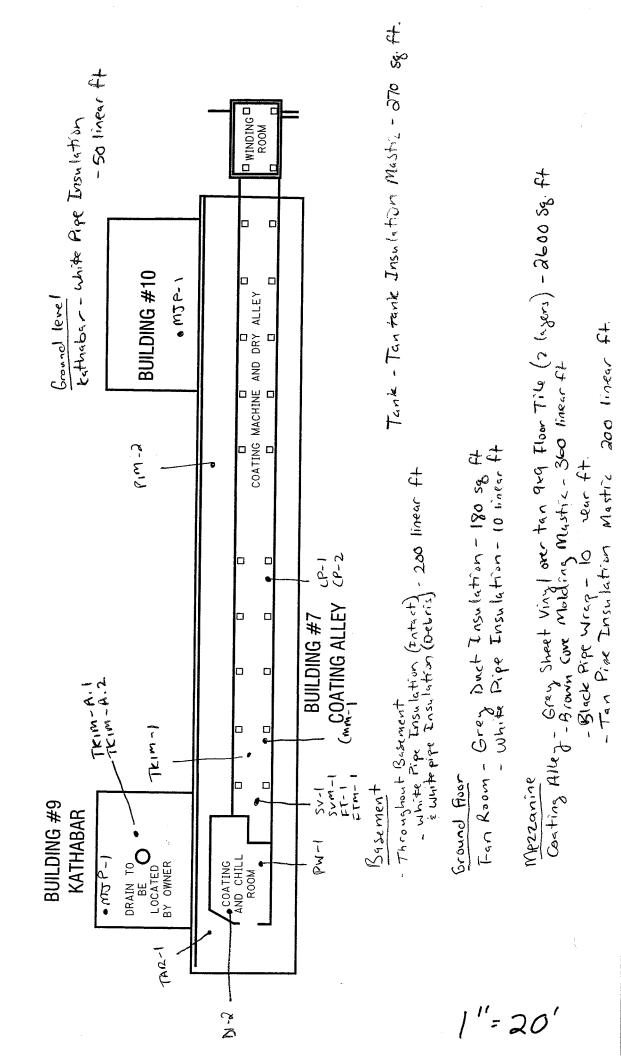
**Asbestos Technical Director** 

Mary Dohr

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		,	CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	R PLM ASBES	TOS ANALY	SIS	OFFICE USE ONLY	E ONLY
	ENVOY	О.	Client:	Contact:			-	(
-	environmental consultants, inc.	nsultants, inc.	CIH OF ROCKESTER	- 1	Biondelillo	<u>3</u> 	Job #: (2)	20-6977
145	145 Lake Avenue, Rochester, NY 14608	chester, NY 14608	Phone Number:	Fax Number:			9	( O
-47	585.454.1060 * Fax 585.454.1062	x 585.454.1062	438- 6649			<u>a</u>	Page O	7
Clier	Client Mailing Address:	ess:	Results To:	Turn Around Time:				CV)
4	Charles	2, Ohner Streem 300-B	B Ted Knapp	1 2 3	5 X Other		Date Logged In: 6/13/08	80/6/10
			Date Sampled	Material Type/Quantity:			;	(
8	Rochester WY	7 14614	(6/11/08	Friable NOB	з тем	7	Logged In By:	
			Project Location:	Project Number:				)
	General Location:	ation: RIA	C Lo Tx textox					
	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
I	MIC-CC!	38885	around pundam	Foam	GRY		WEC	3
7	WEC - COIA	388	1/	"	GRY		WEC	3
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San	Sampled By:	dBy: Englant C Mance	Date: 6/11/08	CHECK ONE:	SURVEY		BULKS ONLY	ILY [
Trai	Transported to Paradigm By:	Paradigm By:	Date: (	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:	ATICALLY PERFO	RM TEM	ON NÓBS	×
Rec	Received By:	700	Date: (2/12/08	TOTAL NUMBER OF SAMPLES IN SURVEY:	F SAMPLES IN SUI	RVEY:		33
		1 0 0						***************************************

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)



#### **BUILDING #7 - COATING ALLEY**

#### **Materials Sampled**

**Grey Duct Insulation** 

White Pipe Insulation

Black Roof Flashing

Black Roof Membrane

Black Asphalt Siding

Tan Duct Insulation Mastic

**Grey Sheet Vinyl** 

**Black Sheet Vinyl Mastic** 

Tan 9" x 9" Floor Tile

Black Floor Tile Mastic

Tan Tank Insulation Mastic

Black/Silver Tar Paper

**Brown Cove Molding Mastic** 

White Ceiling Plaster

Black Pipe Wrap

Tan Pipe Insulation Mastic

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

#### **ASBESTOS CONTAINING MATERIALS**

#### **BASEMENT**

Throughout Basement	White Pipe Insulation (Intact) and White Pipe Insulation (Debris on Floors)	200	linear feet
GROUND FLOOR			
Fan Room	Grey Duct Insulation White Pipe Insulation	180 10	square feet linear feet
MEZZANINE			
Coating Alley	Grey Sheet Vinyl over Tan 9" x 9" Floor Tile (2 Layers)	2,600	square feet
	Brown Cove Molding Mastic Black Pipe Wrap	360 · - 10	linear feet linear feet
ROOF	-		
Roof	Black Roof Flashing	550	square feet
<u>EXTERIOR</u>			
Siding	Black Asphalt Siding	4,300	square feet

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

# MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

**BASEMENT** 

Tank Tank Insulation Mastic 270 square feet

**MEZZANINE** 

Coating Alley Tan Pipe Insulation Mastic 200 linear feet

# **BUILDING#7 - COATING ALLEY**

# **Total Asbestos Containing Materials:**

Pipe Insulation	210	linear feet
Duct Insulation	180	square feet
Sheet Vinyl & Floor Tile	2,600	square feet
Cove Molding Mastic	360	linear feet
Pipe Wrap	10	linear feet
Roof Flashing	550	square feet
Asphalt Siding	4,300	square feet
Total Materials to be Treated as Asbestos Containing:	[	
Tank Insulation Mastic	270	square feet
Pipe Insulation Mastic	200	linear feet

# PARADIGM

# **Environmental**

#### 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

**Building #7 - Coating Alley** 

1000 Driving Park Avenue, Rochester, New York

Sample Date:

04/26/1999

Job Number:

94960

Page Number:

1 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
DI-1	25226	Ground Floor - Fan Room	Grey Fibrous Duct Insulation	Chrysotile 80%	80%		Cellulose 5%	15%
PI-1	25227	Ground Floor - Fan Room	White Fibrous Pipe Insulation	Chrysotile 5% Amosite 15%	20%		Mineral Wool 5%	75%
RF-1	25228	Roof Flashing	Black Fibrous Roof Flashing	Chrysotile 15%	15%		Cellulose 45%	40%
RM-A.1	25229	Roof Field	Black Fibrous Roof Membrane (Layer 1)	None Detected	0%	*	Cellulose 55% TEM Neg	45%
RM-A.2	25230	Roof Field	Black Fibrous Roof Membrane (Layer 2)	None Detected	0%	*	Cellulose 50% Mineral Wool 5% IEM	45%
AS-1	25231	Exterior	Black Fibrous Asphalt Siding	Chrysotile 16%	16%		Cellulose 45%	39%
DI-2	25232	Basement - Coating Room	Tan Fibrous Duct Insulation Mastic	None Detected	0%	*	Cellulose 60% TEM Wes	40%
SV-1	25233	Mezzanine - Cooling Alley	Grey Fibrous Sheet Vinyl (Layer 1)	Chrysotile 60%	60%		Cellulose 10%	30%
SVM-1	25234	Mezzanine - Cooling Alley	Black Sheet Vinyl Mastic from Sample 25233	None Detected	0%	*	None Detected	100%
FT-1	25235	Mezzanine - Cooling Alley	Tan Fibrous 9" x 9" Floor Tile (Layer 2)	Chrysotile 15%	15%		None Detected	85%

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

**Date Analyzed:** 

04/27/1999

:roscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

Laboratory Results Approved By:

# **PARADIGM** Environmental

# 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

rvices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

94960

**Building #7 - Coating Alley** 

1000 Driving Park Avenue, Rochester, New York

Page Number:

2 of 2

04/26/1999 Sample Date:

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type &	Total Asbestos	T E	Non-Asbestos Fibers Type & Percentage	Matrix Material %
				Percentage		М	None Detected	100%
FTM-1	25236	Mezzanine - Coating Alley	Black Floor Tile Mastic from Sample 25235	None Detected	0%	*	Moue Defected	100%
TKIM-1	25237	Basement - Tank	Tan Tank Insulation Mastic	None Detected	0%	*	None Detected	100%
TAR-1	25238	Mezzanine - Coating Alley Behind Plaster	Black/Silver Fibrous Tar Paper	None Detected	0%	*	Cellulose 35% Synthetic 20%	45%
CMM-1	25239	Mezzanine - Coating Alley	Brown Cove Molding Mastic	None Detected	0%	*	None Detected	100%
CP-1	25240	Mezzanine - Coating Alley	White Ceiling Plaster (Layer 1)	None Detected	0%		None Detected	100%
CP-2	25241	Mezzanine - Coating Alley	Grey Ceiling Plaster (Layer 2)	None Detected	0%		None Detected	100%
PW-1	25242	Mezzanine - Coating Alley	Black Fibrous Pipe Wrap	Chrysotile 2%	2%		Cellulose 45%	53%
PIM-2	25243	Mezzanine - Coating Alley	Tan Pipe Insulation Mastic	None Detected	0%	*	None Detected	100%
						1		
				<u></u>		L_	ELAP ID No.: 10958	

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

nate Analyzed:

04/27/1999

croscope:

Olympus BH-2 #232953

Analyst:

Steve Lee

Laboratory Results Approved By:

PARADIGM Environmental

Sample Date: 5/99-6/99

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

# T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Page Number: 2 of 5

•			<u> </u>	TEM A	
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
CRM-1 B-2	24285	Second Floor Room 229 Wall	Yellow Ceramic Tile Mastic	, <1.0%	None Detected
CRM-2 B-久	24288	Second Floor Room 216	Yellow Ceramic Tile Mastic	<1.0%	None Detected
FT-1 B-ス	24289	First Floor Room 124	Tan 12"x12" Floor Tile	<1.0%	None Detected
FTM-1 B-2	24290	First Floor Room 124	Black Fibrous Floor Tile Mastic from Sample 24289	<1.0%	None Detected
EJ-1 B-久	32551	Exterior - Ground	Black Expansion Joint	<1.0%	None Detected
RM-1 3-3	26354	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected
RM-1 B-4	26318	Roof Field	Black Fibrous Roof Membrane	<1.0%	None Detected
RM-A.1 B-7	25229	Roof Field	Black Fibrous Roof Membrane (Layer 1)	<1.0%	None Detected
RM-A.2 B-7	25230	Roof Field	Black Fibrous Roof Membrane (Layer 2)	<1.0%	None Detected
DI-2 3-7	25232	Basement - Coating Room	Tan Fibrous Duct Insulation Mastic	<1.0%	None Detected

ELAP ID No.: 10984

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

**Date Analyzed:** Analyst:

07/09/1999 Tim Wilhelm

Laboratory Results Approved By:

# PARADIGM

# Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

# T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

1000 Driving Park Avenue, Rochester, New York

Job No:

Sample Date: 5/99-6/99

Page Number: 3 of 5

				TEM A	nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
TAR-1 B-7	25238	Mezzanine - Coating Alley Behind Plaster	Black/Silver Fibrous Tar Paper	<1.0%	None Detected
RM-1 B~9	25192	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
TKIM-A.1 B-9	25193	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 1)	<1.0%	None Detected
TKIM-A.2 B-9	25194	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 2)	<1.0%	None Detected
RM-1 B-10	24189	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
CTM-1 B-[[	26327	Basement Men's Shower	Black Ceramic Tile Mastic	<1.0%	None Detected
FT-1 B-11	26335	1st Floor Lab Room B102	Grey 12" x 12" Floor Tile	<1.0%	None Detected
FTM-1 B-(1	26336	1st Floor Lab Room B102	Tan Floor Tile Mastic from Sample 26335	<1.0%	None Detected
B-11	26337	1st Floor Lab Room B102	Brown Cove Molding Mastic	<1.0%	None Detected
RM-1 B-12	25576	Roof Field Roof 1	Black Fibrous Roof Felts	<1.0%	None Detected

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

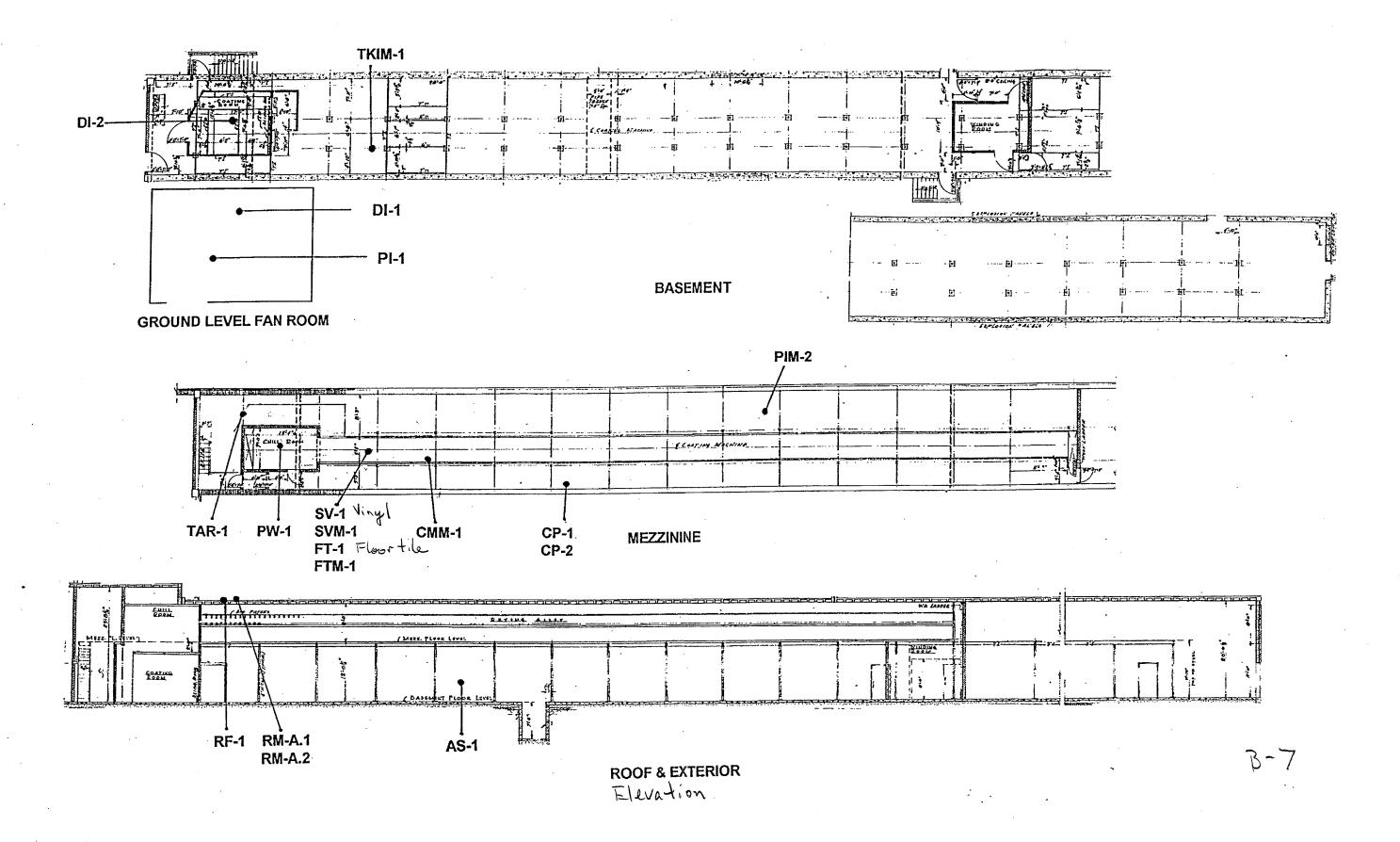
Date Analyzed:

07/09/1999

Analyst:

Tim Wilhelm

Laboratory Results Approved By:





# PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6670-08

Location:

Former Photech Imaging

Page: 1 of 2

Building 7, Exterior

**Sample Date: 6/11/2008** 

r====				PLM	PLM	N	TEM	TEM	PLM	PLM
				Asbestos	Total	0	Asbestos	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Fibers Type &	Asbestos	Fibers Type &	Material
				Percentage			Percentage		Percentage	%
TAR-001	38887	Westside Base of	Black Fibrous Tar	Chrysotile 19%	19%	Π.	Not Required	N/A	None Detected	81%
		Building								
TAR-			Black Fibrous Tar	Chrysotile 21%	21%	,	Not Required	N/A	None Detected	79%
001A		Building								
				01 - 12 400/	13%	<u> </u>	Not Required	N/A	None Detected	87%
TAR-002	38889	Eastside Base of Building	Black Fibrous Tar	Chrysotile 13%	13%		Not Required	NIA	140110 20100102	01 70
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Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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

\*\* 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: 6/16/2008

**TEM Date Analyzed:** 

N/A

Microscope: PLM Analyst: Olympus BH-2 #233173 F. Childs

TEM Analyst: N/A

Laboratory Results Approved By: **Asbestos Technical Director** 

Mary Dohr

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East-side base of Bldg

Westside base of Bidg

78887

TAR-COL

888 889

74R-001 A 7R-003

Sampling Location

2 2

OFFICE USE ONLY

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS | Cilent:

CIH OF ROChester

Phone Number:

ake Avenue, Rochester, NY 14608

nvironmental consultants, inc.

ENVOY

35.454.1060 \* Fax 585.454.1062

Clie Mailing Address:

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8

2

Ted Knapp Date Sampled:

30 Church St, Room 300-13

Rc. hesper MY 14614

438 - 6649 Results To:

6/11/08

Project Location:

Turn Around Time:

Material Type/Quantity:

Project Number: 98/0/80

Imagina

Former Photech

Exterior

eneral Location: B\da

Client ID

Friable

Do not Analyze

TOTAL NUMBER OF SAMPLES IN SURVEY:	or sinerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)
Date: 6/13/08	of Custody may contain Asbestos. Asb tain Asbestos Fibers, Cancer and L
Received By:	Core sinerized materials attached to this Chain of Custody may con under regulated conditions. (Danger; May Contain Asbestos Fib.

CHECK ONE:

SO 111/2

Saroled By: C. Enright C. Mance

6

Transported to Paradigm By:

Date:

20/11/9

Date:

33

# **BUILDING #8**

Materials Sampled

Black Fire Door Insulation Black Wall Caulk Black Expansion Cloth White Caulk

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

**ASBESTOS CONTAINING MATERIALS** 

#### **GROUND FLOOR**

Entrance

Black Fire Door Insulation

64

square

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

#### MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

#### **GROUND FLOOR**

Interior

Black Wall Caulk

120

linear feet

**ROOF** 

Roof

Black Roof Field

400

square feet

<sup>\*</sup>All quantities are approximations.

<sup>\*\*</sup>Roof was not accessible for sampling at the time of this survey.

# **BUILDING#8**

# **Total Asbestos Containing Materials:**

Fire Door Insulation 64 square feet

Total Materials to be Treated as Asbestos Containing:

Wall Caulk 120 linear feet

Roof Field 400 square feet

# **PARADIGM**

# **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Sample Date:

Former Photech Imaging Systems

Job Number:

95983

Building #8

05/24/1999

1000 Driving Park Avenue, Rochester, New York

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FD-1	32546	Fire Door	Black Fibrous Fire Door Insulation	Chrysotile 33%	33%		Cellulose 18%	49%
WC-1	32547	Inside Building	Black Wall Caulk	None Detected	0%	*	None Detected	100%
EC-1	32548	Exterior	Black Fibrous Expansion Cloth	None Detected	0%		Cellulose 59%	41%
WC-2	32549	Exterior	White Wall Caulk	None Detected	0%		None Detected	100%
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ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically

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.

Date Analyzed:

05/24/1999

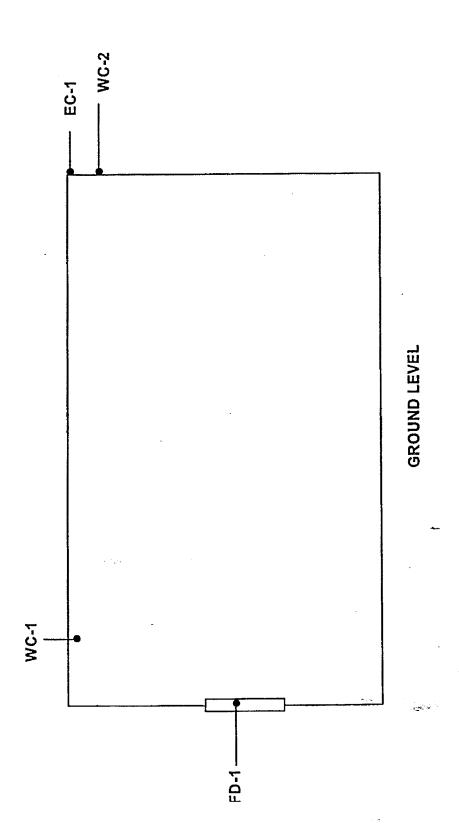
croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By: \_



# ASBESTOS SAMPLING PLAN BUILDING #8

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

PREPARED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999



# PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6607-08

Location:

Former Photech Imaging Systems

Page: 1 of 2

**Building 8** 

Sample Date:

6/10/2008

				PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
	]			Asbestos	Total	0	Fibers Type &		Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В		Asbestos	Fibers Type &	Material
				Percentage					Percentage	%
EXJ-001	38501	Between Building 8 and	Brown Fibrous	None Detected	0%		Not Required	N/A	Cellulose 15%	85%
		Building 2	Expansion Joint							
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Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.

\*\* 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: 6/13/2008

**TEM Date Analyzed:** 

Microscope:

Olympus BH-2 #233173

TEM Analyst: N/A

PLM Analyst:

F. Childs

Laboratory Results Approved By: **Asbestos Technical Director** 

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""分别"的"

	CHAIN OF CUSTODY FOR PLM ASBES	IR PLM ASBES
ENVOY	Client: City of Rochester	Contact: Joseph
environmental consultants, inc.		
145 Lake Avenue, Rochester, NY 14608 Phone Number: 428-6649	Phone Number: 428-6649	Fax Number:
585-454.1060 * Fax 585.454.1062		
ient Mailing Address:	Results To: Ted Knapp	Turn Around Time:
Church Street		1 2 3
	Date Sampled: 6/10/08	Material Type/Quan
ity Hall Room 300-B		Friable X NO

.M ASBESTOS ANALYSIS	OFFICE USE ONLY
act: Joseph Biondolillo	
	%0-1-00)°) :# 90r
Vumber:	
	Page Of Of
Around Time:	
2 3 5 X Other	Date Logged In: ( a / µ /∧ ♥
rial Type/Quantity:	
le X NOB X TEM X	Logged In By:
ect Number: 08/0486	)

Project Number:

Former Photech

Project Location: Imaging Systems

General Location: Building 8

Fochester, NY 14614

	Client ID	Lab ID	Sampling Location	Do not Analyze   Color	Color	Size	Material	Friability
	EXJ-001	)0 <u>G</u> 85	ding 8 and building 2		Brown		EXJ	Non-Friable
7								
97.50								
3.75								
29/50								
: the								

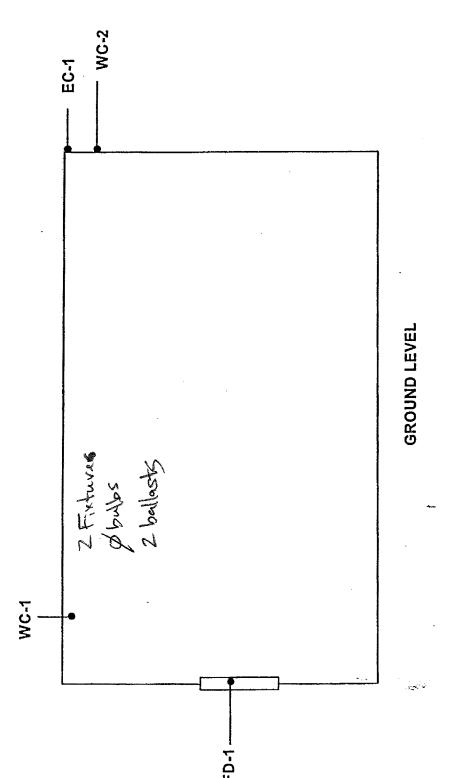
Sampled By: Ted Knapp	Date:	Date: 6/10/08	
			CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS
Tansported to Paradigm By: Ted Knapp	Date:	Date: 6/10/08	or provide TEM contact name: Paul Mahoney
Received By: Curl 199 Danner	Date:	Date: 6/11/38	TOTAL NUMBER OF SAMPLES IN SURVEY:
Containerized materials attached to this Chain of Custody	may contair	Asbestos. Asbestos i	Intainerized materials attached to this Chain of Custody may contain Asbestos, Asbestos is a known carcinogen and should only be handled by trained and authorized ne

**BULKS ONLY** 

SURVEY

CHECK ONE:

personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)



# **ASBESTOS SAMPLING PLAN** BUILDING #8

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

PREPARED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999

# **BUILDING #9 – KATHABAR**

**Materials Sampled** 

Black Roof Flashing Black Roof Membrane Tan Tank Insulation Mastic White Mudded Joint Packing

The following materials were found to contain asbestos by Polarized Light Microscopy (PLM) Analysis:

**ASBESTOS CONTAINING MATERIALS** 

**ROOF** 

Roof

Black Roof Flashing

100

square feet

<sup>\*</sup>All quantities are approximations.

# **PARADIGM**

# **Environmental**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Sample Date:

Former Photech Imaging Systems

Job Number:

94954

-

Building #9 - Kathabar

Dunang #5 - Ramabar

04/26/1999

1000 Driving Park Avenue, Rochester, New York

Page Number:

1 of 1

			i					
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M		Matrix Material %
RF-1	25191	Roof Flashing	Black Fibrous Flashing	Chrysotile 12%	12%		Cellulose 7% Fiberglass 8%	73%
RM-1	25192	Roof Field	Black Fibrous Membrane	None Detected	0%	*	Cellulose 10% Fiberglass 45%	45%
TKIM-A.1	25193	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 1)	None Detected	0%	*	None Detected TEM Necr	100%
TKIM-A.2	25194	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 2)	None Detected	0%	*	None Detected 1EM 10eg	100%
MJP-1	25195	Kathabar Holding Unit	White Fibrous Mudded Joint Packing	None Detected	0%		Mineral Wool 36%	64%
	·							
				·				
			<u> </u>		!	_	FLAP ID No : 10958	

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in 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.

nate Analyzed:

04/26/1999

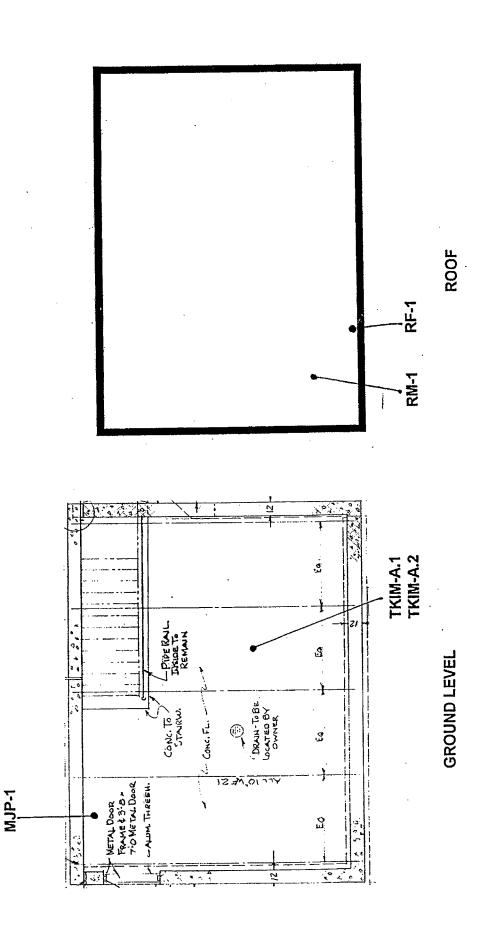
croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

Laboratory Results Approved By: 2



ASBESTOS SAMPLING PLAN KATHABAR BUILDING #9

BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. **1000 DRIVING PARK AVENUE** ROCHESTER, NEW YORK

PERFORMED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1989



# PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6671-08

Location:

Former Photech Imaging Systems

Page: 1 of 2

Building 9, Exterior Sample Date:

6/11/2008

		<u> </u>		PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
]				Asbestos	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
				Percentage					Percentage	%
WAC-001	38890	West Wall	White Wall Caulk	Inconclusive	0%	Ι.	None Detected	<1.0%	None Detected	100%
				No Asbestos Detected		1				
WAC-	38891	West Wall	White Wall Caulk	Inconclusive	0%	Ι,	None Detected	<1.0%	None Detected	100%
001A				No Asbestos Detected		1				
EXJ-002	38892	West Wall	Brown Fibrous	None Detected	0%		Not Required	N/A	Cellulose 30%	70%
			Expansion Joint						:	
EXJ-002A	38893	West Wall	Brown Fibrous	None Detected	0%	-	Not Required	N/A	Cellulose 30%	70%
LXO-002X			Expansion Joint							
WAC-003	38894	South Corner	Gray Fibrous Wall	Chrysotile 9%	9%		Not Required	N/A	Fiberglass 2%	89%
11710 000			Caulk	·		1				
WAC-	38895	South Corner	Gray Fibrous Wall	Chrysotile 10%	10%		Not Required	N/A	Fiberglass 2%	88%
003A			Caulk	·				_con_		
WAC-004	38896	North Corner	Gray Fibrous Wall	Chrysotile 8%	8%		Not Required	N/A	Fiberglass 2%	90%
			Caulk							
WAC-	38897	North Corner	Gray Fibrous Wall	Chrysotile 8%	8%	_	Not Required	N/A	Fiberglass 2%	90%
004A		•	Caulk	•		1				
WAC-005	38898	North Corner Around	Gray Fibrous Wall	Chrysotile 8%	8%		Not Required	N/A	Fiberglass 2%	90%
		Door	Caulk			√				
WAC-	38899	North Corner Around	Gray Fibrous Wall	Chrysotile 8%	8%	-	Not Required	N/A	Fiberglass 2%	90%
005A			Caulk	,		1	-			

**QAJVN** 

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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

\*\* 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: 6/16/2008

TEM Date Analyzed: 6/17/2008

Microscope:

Olympus BH-2 #233173

TEM Analyst: F. Childs

PLM Analyst:

F. Childs

Laboratory Results Approved By:

**Asbestos Technical Director** 

Mary Dohr

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33			N SURVEY:	OF SAMPLES IN SURVEY:	TOTAL NUMBER O	Soft(0) :agg	122.	Received By:	
				ntact name;	or provide TEM con	6/11/08	Enright	CIE	T
×		M ON NOBS	ERFORM TE	ATICALLYPE	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	Date:	digm By:	Transported to Paradigm By:	
						611108	C. Enright/G. Mance	C. Enrigh	т
	ONLY	BULKS ONLY	×	SURVEY	CHECK ONE:	Date:		Sampled By:	
	7	WAC		CRY	4	11	899	10 WAC-005A	. [
	ح	NAC.		GRY	Paint	North County around door	898	9 WAC-005	1
	7	WAC		(SPY	11	1	297	8 WAC-COMA	
(	5	WAC		(SRY	Parnt	North Corner	996	7 WAS-OUT	т
7	7	WAC		GRY	10	T.	895	6 WAC-003A	
7	>	WAC		GRY	Paint Form	South Corner	468	5 WAC - 003	
2	7	EXT		BRN		1	893	4 EX5 - 002A	1
ح	7	EXT		BRZ		*	292	3 EXT-000	т—
2	7	WAC		WHT	-	11	89)	2 WAS -OCIA	1
٤	5	WAC		WHT	Paint	Mest wall	38890	1 WAC-OCI	
Friability	Fria	Material	Size	Color	Do not Analyze	Sampling Location	Lab ID	Client ID	
						9 Exterior	tion: Bldg	General Location:	1

under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard) Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel



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

# PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

**Job No**: 6672-08

Location:

Former Photech Imaging

Page: 1 of 2

**Building 9** 

Sample Date: 6/11/2008

				PLM	PLM	N	TEM	TEM	PLM	PLM
				Asbestos	Total	0	Asbestos	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Asbestos		Fibers Type &	Asbestos	Fibers Type &	Material
				Percentage			Percentage		Percentage	%
PIN-006	38900	Interior Pipe on Floor	White Fibrous Pipe		90%		Not Required	N/A	None Detected	10%
			Insulation	Amosite 33%						
PIN-007	38901	Exterior Pipe on	White Fibrous Pipe	Chrysotile 66%	87%		Not Required	N/A	None Detected	13%
		Ground	Insulation	Amosite 21%						
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Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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").

**√** NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/13/2008

F. Childs

TEM Date Analyzed:

N/A

Microscope: **PLM Analyst:**  Olympus BH-2 #233173

TEM Analyst: N/A

Laboratory Results Approved By: **Asbestos Technical Director** 

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9810H86

	General Location: RIA 9	tion: RIA	9					
$\neg$	Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
<u>,                                    </u>	5	28900	+ 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		277		THZ	
$T_{\bullet}$					E # 1		PHZ	~
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5	51							i programa
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	7							
	8							
	9							
10	9			District and the second of the	on the second se			
S	Sampled By:		Date:	CHECK ONE:	SURVEY	×	BULKS ONLY	
Τ	C. Enrigi	C. Enright 6 Mance		OUTON TO AUTOM	ATICALLYD	EDEODM TE	NON NORS	×
	Transported to Paradigm By:	adigm By:	Date: (6/11/08   10	OF provide TEM contact name:	tact name:			
ارد	Received By:			TOTAL NUMBER O	OF SAMPLES IN SURVEY:	N SURVEY:		ပြာ

under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard) Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel

# PARADIGM Environmental

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Services, Inc.

# T.E.M. Results

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job No:

Sample Date: 5/99-6/99

1000 Driving Park Avenue, Rochester, New York

Page Number: 3 of 5

			•	TEM A	nalysis
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
TAR-1 B-7	25238	Mezzanine - Coating Alley Behind Plaster	Black/Silver Fibrous Tar Paper	<1,0%	None Detected
RM-1 B-9	25192	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
TKIM-A.1 B-9	25193	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 1)	<1.0%	None Detected
TKIM-A.2 B-9	25194	Kathabar Holding Unit	Tan Tank Insulation Mastic (Layer 2)	<1.0%	None Detected
RM-1 B-10	24189	Roof Field	Black Fibrous Membrane	<1.0%	None Detected
CTM-1 B-[[	26327	Basement Men's Shower	Black Ceramic Tile Mastic	<1.0%	None Detected
FT-1 B-11	26335	1st Floor Lab Room B102	Grey 12" x 12" Floor Tile	<1.0%	None Detected
FTM-1 B-(1	26336	1st Floor Lab Room B102	Tan Floor Tile Mastic from Sample 26335	<1.0%	None Detected
CMM-1	26337	1st Floor Lab Room B102	Brown Cove Molding Mastic	<1.0%	None Detected
RM-1 B-12	25576	Roof Field Roof 1	Black Fibrous Roof Felts	<1.0%	None Detected

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.

N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY SCIENTIFIC LABORATORIES INC.

Date Analyzed:

07/09/1999

Analyst:

Tim Wilhelm

Laboratory Results Approved By: \_

# **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

LBL JOB #	·	5790	9

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT #

209288.03 phase 1

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

Rochester, NY 14614

SAMPLE DATE: 09/25/2009

PROJECT LOCATION: Photech - Building #9

PROJECT LOCATION:	1 110 10011				***************************************				
		3	ASBESTOS		OTHER				
FIELD ID	LBL ID	method	TYPE	%	OTHER FIBERS	%	MATRIX	%	COLOR / DESCRIPTION
BLDG9-1A	57909-1	P	CHRYSOTILE						
BLDG9-1'A	57909-1	P	AMOSITE	33	CELLULOSE	14	MINERAL	45	GRAY PIPE WRAP DEBRIS
					,				
1									
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	,								
- Nacondana re									
									, ,

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

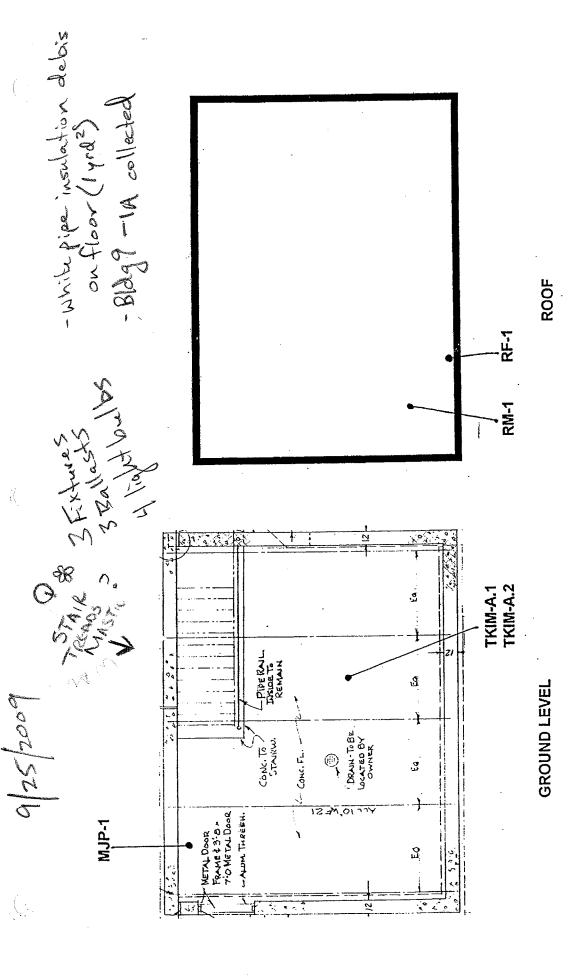
P - Friable PLM analytical result N - NOB PLM analytical result T - TEM analytical result

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

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Job No.: PIN/ BIN: Date: 9/35 LaBella Lab N		Sampled by: Mitel Relinquished by: M Received by: Matt	<b>70   50</b> 1-Smith TK 1  Liteh Smith TK  Smith	<b>175-7</b>
Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition
BLA69-1A 	KATHABAR BLAG	SUSPECT ACM PIPE WRAP DERRIS		



ASBESTOS SAMPLING PLAN KATHABAR BUILDING #9

FORMER PHOTECH IMAGING SYSTEMS, INC. BROWNFIELD RESTORATION GROUP, LLC 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

PERFORMED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1989

#### **GUARD SHACK**

**Materials Sampled** 

Black Fire Door Insulation
Black Wall Caulk
Black Expansion Cloth
White Wall Caulk
White/Grey 2' x 2' Suspended Ceiling Tile
Brown 12" x 12" Floor Tile
Brown Floor Tile Mastic

All materials were found to be non-asbestos containing by Polarized Light Microscopy (PLM) Analysis.

Polarized Light Microscopy (PLM) analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials such as flooring and mastics, roofing, siding, caulking, glazing, or adhesive materials. Quantitative Transmission Electron Microscopy (TEM) analysis is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The following materials were not sent for TEM analysis and are to be treated as asbestos containing:

# MATERIALS TO BE TREATED AS ASBESTOS CONTAINING

#### **GROUND FLOOR**

Floor
Brown 12" x 12" Floor Tile & Mastic 20 square feet

Nig by Para digm 6611-08

Roof
Black Roofing Ny - 6611-08 30 square feet

Roof cament confirmed ACM 6611-08

\*All quantities are approximations.

<sup>\*\*</sup>Roof was not accessible for sampling at the time of this survey.

# **PARADIGM**

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

ervices, Inc.

Client:

**Brownfield Restoration Group, LLC** 

Location:

Former Photech Imaging Systems

Job Number:

95985

**Guard Shack** 

1000 Driving Park Avenue, Rochester, New York

Sample Date:

05/24/1999

Page Number:

1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	T E M		Matrix Material %
SCT-1	32553	Guard Shack	White/Grey Fibrous 2' x 2' Suspended Ceiling Tile	None Detected	0%		Cellulose 55% Mineral Wool 20%	25%
FT-1	32554	Guard Shack	Brown 12" x 12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-1	32555	Guard Shack	Brown Floor Tile Mastic from Sample 32554	None Detected	0%	*	Cellulose 8%	92%
:								
		·						
							•	
	·							

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

\*Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically

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.

Date Analyzed:

05/24/1999

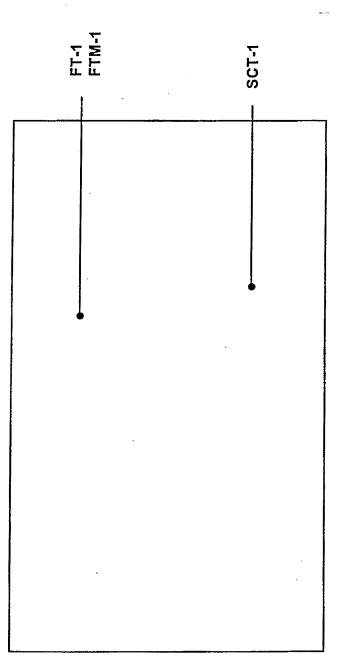
croscope:

Olympus BH-2 #232953

Analyst:

Patrick Fitzgerald

**Laboratory Results Approved By:** 



**GROUND LEVEL** 

**ASBESTOS SAMPLING PLAN GUARD SHACK**  BROWNFIELD RESTORATION GROUP, LLC FORMER PHOTECH IMAGING SYSTEMS, INC. 1000 DRIVING PARK AVENUE ROCHESTER, NEW YORK

PREPARED BY PARADIGM ENVIRONMENTAL SERVICES, INC. MAY, 1999



# PLM & TEM BULK ASBESTOS REPORT

Client:

City of Rochester

Job No: 6611-08

Location:

Former Photech Imaging Systems

Page: 1 of 2

Sample Date:

6/10/2008

**Guard Shack** 

				PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
011			1	Asbestos	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	LabiD	Sampling Location	Description	Fibers Type &	Asbestos	В	Percentage	Asbestos	Fibers Type &	Materia
				Percentage			_		Percentage	%
SCT-001	38510	Guard Shack at Ceiling	Gray Fibrous Suspended Ceiling Tile	None Detected	0%		Not Required	N/A	Mineral Wool 60% Cellulose 30%	10%
FT1-002	38511	Guard Shack at Floor	Tan 12"x12" Floor Tile	None Detected	0%	1	<1.0% Residue Remaining TEM not Required	N/A	None Detected	100%
FTM-003	38512	Guard Shack at Floor	Brown Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	1	None Detected	<1.0%	None Detected	100%
TRP-004	38513a	Guard Shack at Roof	Black Tar Paper	Inconclusive No Asbestos Detected	0%	1	None Detected	<1.0%	None Detected	100%
ROF-005	38513b		White/Black Fibrous Roofing	Inconclusive No Asbestos Detected	0%	1	None Detected	<1.0%	Fiberglass 10%	90%
AR-006	38513c	Guard Shack at Roof	Black Tar	Chrysotile 5%	5%	1	Not Required	N/A	Fiberglass 2%	93%

**QAIVN** 

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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."). √ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 6/16/2008

TEM Date Analyzed: 6/17/2008 TEM Analyst: F. Childs

Microscope: PLM Analyst:

B. Weinman

Olympus BH-2 #234206

Laboratory Results Approved By:

**Asbestos Technical Director** 

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	-	08/0486	Project Number:	Proje	Imaging Systems	Rochester, NY 14614
,		00/0/00		7	Project Location: Former Photech	
Logged Ir	×	X TEM X	e × NOB ×	Friable		City Hall Room 300-B
		y:	Material Type/Quantity:	Mater	Date Sampled: 6/10/08	0:t. 11.11 B - 200 B
Date Logi		5 X Other	2 3 5	1		30 Criurch Street
			Turn Around Time:	Turn ,	Results To: Ted Knapp	Client Mailing Address:
Page						585.454.1060 * Fax 585.454.1062
`			Fax Number:	Fax N	Pnone Number: 428-6649	80
Job #:						environmental consultants, inc.
		Biondolillo	Contact: Joseph Bi	Conta	Client: City of Rochester	ENVOY

ged In: 6/11/08

General Location: Guard Shack

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Trar		San	10		9	∞	7	0	T	1	لد	1/2	_	
sported to Para		Ī						TAR-006	KOY-005	TRP-004	FTM-003	FT1-002	SCT-001	Client ID
digm By: To		Knapp						6	5	513 A	215	2=	38510	Lab ID
ed Knapp			March delations of the decision of the decisio											
Date:		Date:						<	<	Guard Sh	Guard Sh	Guard Sh	Guard Sha	Samplin
6/10/08		6/10/08								ack, at roof	ack, at floor	ack, at floor	ıck, at ceilin	Sampling Location
		· .											20	
or provide TEM con	CHECK TO AUTOM	CHECK ONE:												Do not Analyze
tact name:	ATICALLYP	SURVEY						<del>-</del>	<del>(</del>	Black	Brown	Brown	Gray	Color
Paul Mahone	ERFORM TE	×										12x12		Size
** C	A ON NOBS	BULKS						TAR .	705	TRP	FTM	FT	SCT	Material
<u></u>		YNCY YOUR CONTRACT OF THE CONT					70		え T	Non-friable	Non-friable	Non-friable	Friable	Friability
	6/10/08	pp Date: 6/10/08	Date: 6/10/08  Date: 6/10/08	Date: 6/10/08  CHECK ONE: SURVEY X  CHECK TO AUTOMATICALLY PERFORM TEM ON N  or provide TEM contact name: Paul Mahoney	Date: 6/10/08  CHECK ONE: SURVEY X  CHECK TO AUTOMATICALLY PERFORM TEM ON N or provide TEM contact name: Paul Mahoney	Date: 6/10/08  CHECK ONE: SURVEY X  CHECK TO AUTOMATICALLY PERFORM TEM ON N  or provide TEM contact name: Paul Mahoney	Date: 6/10/08  CHECK ONE: SURVEY X  CHECK TO AUTOMATICALLY PERFORM TEM ON N or provide TEM contact name: Paul Mahoney	Date: 6/10/08  CHECK ONE: SURVEY X BULKS ONLY  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS  or provide TEM contact name: Paul Mahoney	Date: 6/10/08  CHECK ONE: SURVEY X BULKS ONLY  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS  or provide TEM contact name: Paul Mahoney	Date: 6/10/08  CHECK ONE: SURVEY X BULKS ONLY  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS  or provide TEM contact name: Paul Mahoney	Guard Shack, at roof  Black  TRP  ADF  TRP  TRP  ADF  TRP  CHECK ONE: SURVEY X BULKS ONI  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS  Or provide TEM contact name: Paul Mahoney	Guard Shack, at floor  Guard Shack, at roof  Guard Shack, at roof  Brown  Brown  Black  TRP  ADF  ADF  ADF  ADF  CHECK ONE: SURVEY  BULKS ONI  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name: Paul Mahoney	Guard Shack, at floor  Guard Shack, at floor  Guard Shack, at floor  Guard Shack, at roof  Guard Shack, at roof  Brown  Brown  Brown  Brown  Brown  FTM  Black  TRP  TRP  TPR  CHECK ONE: SURVEY  CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name: Paul Mahoney	Guard Shack, at filoor Guard Shack, at filoor Guard Shack, at filoor Guard Shack, at filoor Guard Shack, at roof Guard Shack, at roof Guard Shack, at roof  Guard Shack, at roof  Guard Shack, at filoor  Guard Shack, at filoor  Guard Shack, at filoor  Guard Shack, at filoor  Guard Shack, at filoor  Guard Shack, at filoor  Guard Shack, at filoor  FTM  FTM  FTM  FTM  FTM  FTM  FTM  FT

Containerized Materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

Hadded per Ted Knapp 6/11/08 PSC

# **BULK SAMPLE ASBESTOS** ANALYTICAL REPORT

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

LBL JOB #	55	6009

ELAP # 11184

TEM ELAP # 10920

LABELLA PROJECT # 209288.03 phase 1

CLIENT: Labella Associates, PC

SAMPLE TYPE: PLM Bulk

ADDRESS: 300 State Street

SAMPLE DATE: 09/23/2009

Rochester, NY 14614

PROJECT LOCATION: Photech ASBESTOS OTHER FIELD ID LBL ID MATRIX % COLOR / DESCRIPTION TYPE **FIBERS** SILVER TANK-1A 55009-1 CHRYSOTILE 17 CELLULOSE TAR BLACK TAR & TAR PAPER Т 55009-2 CELLULOSE SILVER TANK-2A ND 20 MIN/BINDER **GRAY SEAM SEALER** Т ND CELLULOSE SILVER TANK-2B 55009-3 MIN/BINDER **GRAY SEAM SEALER** BLDG13-1A 55009-4 **AMOSITE** 37 ND MINERAL WHITE PIPE INSULATION DEBRIS BLDG13-1B 55009-5 Т ND CELLULOSE MIN/BINDER WHITE/BLACK PIPE INSULATION DEBRIS BLDG16-1A 55009-6 ND **FIBERGLASS** MINERAL WHITE MUD PIPE INSULATION

PLM Method EPA 600/M4/82/020

Lab Supervisor:

NO - 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.

<sup>\*&</sup>quot;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 1

#### ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

(	PIN/ BIN:	288.03/PHASE_I	Client: LBA  Rates: Sampled by: Tom  Relinquished by: Tom  Received by: Matt S  Number of Samples	om Kihn	
1	Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount	Condition
VOID	SILVER TANK -IA -IB	BENEATH METAL JACKET ON TOP BE FOAM	BLACK TAR/ TAR PAPER		
83	-JA -2B	BOTTOM OF TANK ON OUTSIDE OF METAL JACKET	RE'INFORCES SEAM SEALER		
4,5	DLDG 13- 1A	WAREHOUSE	SUSPECT PIPE WSUL DEBRIS		
5 B	BLDG13- 1B				
67	BLDG 16-1A	ON FLOOR UNDER ROOF DRAIN	MUD PIPE INSULATION		



Client:

City of Rochester

Job No: 6608-08

Location:

Former Photech Imaging Systems Silver Recovery Waste Water Tank Page: 1 of 2

Sample Date:

6/10/2008

			M 1	PLM	PLM	N	TEM Asbestos	TEM	PLM	PLM
				Asbestos	Total	0		Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Fibers Type &				Asbestos	Fibers Type &	Material
				Percentage					Percentage	%
MAS-001	38502	Bottom Under Foam	Brown Mastic	Inconclusive	0%		None Detected	<1.0%	None Detected	100%
				No Asbestos						
			•	Detected		Ì .				
CAN-002	38503		White Fibrous	Inconclusive	0%		None Detected	<1.0%	Fiberglass 40%	60%
			Canvas Cloth	No Asbestos						
				Detected						
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Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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

\*\* 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: 6/13/2008

Olympus BH-2 #233173

TEM Analyst: F. Childs

TEM Date Analyzed: 6/16/2008

Microscope: PLM Analyst:

F. Childs

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. 以对于1984年,1995年1月1日,1985年1月1日,1985年1月1日,1985年1月1日,1985年1月1日,1985年1月1日,1985年1月1日,1985年1月1日

Client: City of Rochester	Contact: Joseph Biondolillo	
		So - SOO)C) # 900
Phone Number: 428-6649	Fax Number:	
		Page of O
Results To: Ted Knapp	Turn Around Time:	
	1 2 3 5 X Other	Date Logged In: (0 / u/68
Date Sampled: 6/10/08	Material Type/Quantity:	
	Friable $X$ NOB $X$ TEM $X$	Logged In By:
Project Location: Former Photech	O. C. C. C. C. C. C. C. C. C. C. C. C. C.	) > :
Imaging Systems	rioject Number: 06/0480	
	Roc	Rochester Contact: J.  428-6649 Fax Number: 3d Knapp Turn Around 1 2 7 6/10/08 Material Type Friable X Friable X S

General Loca	ation: Silv	General Location: Silver Recovery Waste Water Tank	ste Water Tank			-		
Client ID	Lab ID	a.	Sampling Location	Do not Analyze	Color	Síze	Material	Friability
MAS-001	38502	b	Bottom, under foam		Brown		MAS	Non-Friable
CAN-002	503		Bottom, of tank		White		CAN	Non-Friable
া কৈছে এ								
-7								
- √- <del>-</del>								
			до постану да положения в постанувания постанувания постанувания постанувания постанувания постанувания постан		CODE SOUTH CONTROL OF STATE (SELECTION COLUMN ASSESSMENT)			
				CHECK ONE:	SURVEY	×	BULKS ONLY	INT Y
Simpled By: Tec	Ted Knapp		Date: 6/10/08					
22 of the 20				CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	ATICALLY PE	ERFORM TE	M ON NOBS	
Tansported to Paradigm By:	radigm By:	Ted Knapp	Date: 6/10/08	or provide TEM contact name: Paul Mahoney	tact name:	Paul Mahon	.ey	
Fiscelved By: Outly & LANGER	1932.	لكعمالا	Date: 6/11/68	TOTAL NUMBER OF SAMPLES IN SURVEY:	SAMPLES I	N SURVEY:		

Cantainerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel cader regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

# **BUILDING #14 - EXTERIOR TANKS**

NO SUSPECT ASBESTOS CONTAINING MATERIALS WERE FOUND IN THIS AREA.

# **EXTERIOR PIPE**

UTILITY TUNNEL

Underground White Pipe Insulation (From Power Plant to Building 11) AND UNDER B-7 linear feet 1,000

linear feet 160 White Pipe Insulation Above Ground

\*All quantities are approximations.

# UTILITY TUNNEL\*

# **TUNNEL BETWEEN BUILDINGS 5 AND 2**

Tunnel

White Pipe Insulation Black Pipe Wrap 220 280 linear feet linear feet

<sup>\*</sup>All quantities are approximations.

PERSONNEL TUNNEL #2

# TUNNEL BETWEEN BUILDINGS 2, 11, AND 1

NO SUSPECT ASBESTOS CONTAINING MATERIALS WERE FOUND IN THIS AREA.

PERSONNEL TUNNEL

#=

# **TUNNEL BETWEEN BUILDINGS 16 & 17**

NO SUSPECT ASBESTOS CONTAINING MATERIALS WERE FOUND IN THIS AREA.

Buildin	g 1	Roof	3,608	(sq/ft)	
Lavor	Cample #				
Layer 1st Layer (top)	Sample #	Composition	Thickness	Status	Asbestos Type & %
2nd Layer		Rubber	1/16"		
3rd Layer		Foam Board	3"		
4th Layer					
5th Layer	<del> </del>				
6th Layer (bottom)	<del> </del>				
Flashing	<del> </del>				
Deck	<del> </del>	Rubber	1/16"		
Deck		Cement			
* A	D 0 m . 1	Approx. Roof thickness tot	al 3 1/8"		
* Amount included in	Roofing Totals.				
Building	g 2	Roof	1,536	(sq/ft)	
				3 4	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	009	Tar Paper	1/2"		Issued type & //
2nd Layer	009A	Insulation	1 1/4"		
3rd Layer	009B	Tar	1/4"		
4th Layer			-/	W	
5th Layer					
6th Layer (bottom)				**	
Flashing	010	Tar Paper	1/2"	· · · · · · · · · · · · · · · · · · ·	Chrysotile 23%
Deck		Cement			diffysothe 2570
		Approx. Roof thickness tota	d 2 1/2"		
Amount included in I	Roofing Totals.	11			
Building	2	Roof	1,536	(sq/ft)	
	,		1,000	(39/10)	
					Achaetae Trma 9 0/
Layer	Sample #	Composition	Thickness	Status	
Layer 1st Layer (top)	Sample #	Composition Tar Paper	Thickness	Status	Asbestos Type & %
1st Layer (top) 2nd Layer		Tar Paper	1/2"	Status	Aspestos Type & %
1st Layer (top)	011	Tar Paper Insulation	1/2"	Status	Aspestos Type & %
1st Layer (top) 2nd Layer 3rd Layer 4th Layer	011 011A	Tar Paper	1/2"	Status	Aspestos Type & 90
1st Layer (top) 2nd Layer 3rd Layer 4th Layer	011 011A	Tar Paper Insulation	1/2"	Status	Asbestos Type & 90
1st Layer (top) 2nd Layer 3rd Layer	011 011A	Tar Paper Insulation	1/2"	Status	Asbestos Type & 70
1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer 6th Layer (bottom)	011 011A 001B	Tar Paper Insulation Tar	1/2" 11/4" 1/4"	Status	
1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	011 011A	Tar Paper Insulation Tar Tar Paper	1/2"	Status	Chrysotile 15%
1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer 6th Layer (bottom) Flashing	011 011A 001B	Tar Paper Insulation Tar	1/2" 11/4" 1/4" 1/2"	Status	

Buildin	g 3	Roof		(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	· · · · · · · · · · · · · · · · · · ·	Tar	111101111000	Juitus	//sbestos Type & /
2nd Layer					
3rd Layer		**************************************			
4th Layer					
5th Layer					
6th Layer (bottom)					
Flashing		Tar Paper			
Deck		Gypsum			
·	<del> </del>	Approx. Roof thickness to	ntal		l
Amount included in Building		Roof	1,200	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	039	Tar	1/2"		
2nd Layer					
3rd Layer					
4th Layer					
5th Layer		Name of the second seco		·	
6th Layer (bottom)					
Flashing	040	Tar Paper	1/4"		
Deck		Gypsum			
	<del>'</del>	Approx. Roof thickness to	tal 3/4"		
Amount included in I					
Building	<u>g 4</u>	Roof	1,200	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	041	Tar	1/2"		
2nd Layer					
3rd Layer					
4th Layer					", "
5th Layer					
6th Layer (bottom)					:
Flashing	042	Tar Paper	1/4"	<del></del>	
Deck		Gypsum			
			tal 2 /4"		
* Amount included in R	loofing Totals.	Approx. Roof thickness to	tal 3/4"		

Sample # 035 035A 035B	Composition Tar Tar	Thickness	Status	Asbestos Type & %
035 035A	Tar	1/4"		
035A				
		1/4"		
	Tar	1/2"		
i				
036	Tar Paner	1/2"		Chrysotile 17%
		- 1/2		Giff youthe 17 70
<u></u>	L	11/2"		
	Roof	1,750	(sq/ft)	
			Status	Asbestos Type & %
037B	Tar	1/2"		
038		1/2"		Chrysotile 18%
	Approx. Roof thickness total	1 1/2"		
ofing Totals.				
Ó	Roof	280	(sq/ft)	
Sample #			Status	Asbestos Type & %
	Tar Paper	1/2"		
	Tar Paper	1/2"		
	Sample #  037  037A  037B  038  ofing Totals.	Cement Approx. Roof thickness total ofing Totals.  Roof  Sample # Composition 037 Tar 037A Tar 037B Tar 037B Tar 038 Tar Paper Cement Approx. Roof thickness total ofing Totals.  Roof	Cement   Approx. Roof thickness total   11/2 "	Cement   Approx. Roof thickness total   11/2 "

Building	g 7	Roof	1,908	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	025	Tar Paper	1/8"		
2nd Layer	025A	Tar Paper	1/8"		
3rd Layer		Insulation	1"		
4th Layer	025B	Tar	3/4"		
5th Layer			1/2"		
6th Layer (bottom)	025C	Tar	1/8"		
Flashing	026	Tar Paper	1/4"		Chrysotile 39%
Deck		Metal			
	<u> </u>	Approx. Roof thickness total	2 7/8"		<u> </u>
Amount included in l	Roofing Totals.	•			
Building	; <b>7</b>	Roof	1,908	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	027	Tar Paper	1/8"		
2nd Layer	027A	Tar Paper	1/8"		<u> </u>
3rd Layer		Insulation	1"		***************************************
4th Layer	027B	Tar	3/4"		
5th Layer			1/2"		
6th Layer (bottom)	027C	Tar	1/8"		
Flashing	028	Tar Paper	1/4"		Chrysotile 38%
Deck		Metal			0, 300 0.00 00 70
		Approx. Roof thickness total	2.875"	<del></del>	
Amount included in F				( (6)	
Ruilding	U		4 4 4		
Building	8	Roof	144	(sq/ft)	
Layer	Sample #	Composition	Thickness	(SQ/IT) Status	Asbestos Type & %
Layer 1st Layer (top)		Composition Tar	Thickness		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer	Sample # 013	Composition Tar Fiber Board	Thickness 1/4" 3/4"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer	Sample #	Composition Tar Fiber Board Tar	Thickness 1/4" 3/4" 1/8"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer	Sample # 013	Composition Tar Fiber Board	Thickness 1/4" 3/4"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Sample # 013	Composition Tar Fiber Board Tar	Thickness 1/4" 3/4" 1/8"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Sample # 013 013A	Composition Tar Fiber Board Tar Fiber Board	Thickness  1/4" 3/4" 1/8" 3/4"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer 6th Layer (bottom) Flashing	Sample # 013	Composition Tar Fiber Board Tar Fiber Board Tar Fiber Board	Thickness 1/4" 3/4" 1/8"		Asbestos Type & %  Chrysotile 7%
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Sample # 013 013A	Composition Tar Fiber Board Tar Fiber Board	Thickness  1/4" 3/4" 1/8" 3/4"		

# **Roof Composition** Former Photech Imaging Systems Rochester, New York Date Re-Issued: October 16, 2009

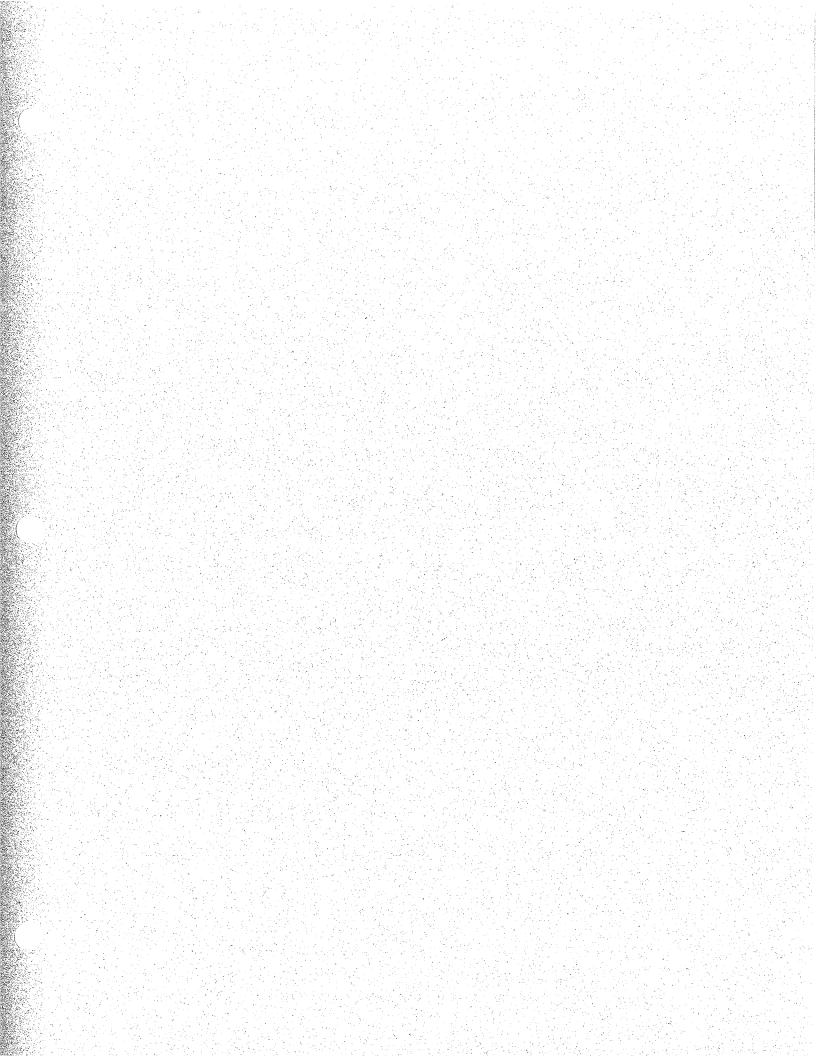
Building	g 8	Roof	144	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	015	Tar	1/4"		
2nd Layer		Fiber Board	3/4"		
3rd Layer	015A	Tar	1/8"		
4th Layer		Fiber Board	3/4"		
5th Layer			,		
6th Layer (bottom)					
Flashing	016	Tar	1/4"		Chrysotile 10%
Deck		Menter	-/ -		3.1.7001.10 20 70
	<u> </u>	Approx. Roof thickness total	2 1/8"		<u> </u>
Amount included in l		Roof	200	(ag /ft)	
Dunum	5 7	ROOI	280	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	017	Tar Paper	1/4"		
2nd Layer	017A	Tar Paper	1/4"		
3rd Layer	017B	Tar Paper	1/8"		
4th Layer		ISO Board	2"		
5th Layer					
6th Layer (bottom)					
Flashing	018	Tar Paper	1/4"		Chrysotile 21%
Deck		Metal			<u> </u>
		Approx. Roof thickness total	2 7/8"		
Amount included in F	loofing Totals.				
D:1.1:	. 0	D C	200	( (())	
Building	9	Roof	280	(sq/ft)	
Layer	Sample #	Composition	Thickness	(sq/ft) Status	Asbestos Type & %
Layer 1st Layer (top)	Sample #	Composition Tar Paper	Thickness		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer	Sample # 019 019A	Composition	Thickness 1/4" 1/4"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer	Sample #	Composition Tar Paper Tar Paper Tar Paper	Thickness 1/4" 1/4" 1/8"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer	Sample # 019 019A	Composition Tar Paper Tar Paper	Thickness 1/4" 1/4"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Sample # 019 019A	Composition Tar Paper Tar Paper Tar Paper	Thickness 1/4" 1/4" 1/8"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer	Sample # 019 019A	Composition Tar Paper Tar Paper Tar Paper	Thickness 1/4" 1/4" 1/8"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Sample # 019 019A	Composition Tar Paper Tar Paper Tar Paper Iso Board	Thickness  1/4"  1/4"  1/8"  2"		
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer 6th Layer (bottom)	Sample # 019 019A 019B	Composition Tar Paper Tar Paper Tar Paper	Thickness 1/4" 1/4" 1/8"		Asbestos Type & %  Chrysotile 16%

Building	10	Roof	360	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	021	Tar Paper	1/4"		
2nd Layer		Fiber Board	1"		
3rd Layer	021A	Tar	1/4"		
4th Layer					
5th Layer				**************************************	
6th Layer (bottom)					
Flashing	022	Tar Paper	1/4"		
Deck		Metal			
		Approx. Roof thickness total	13/4"		
Builing	10	Roof	360	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	023	Tar Paper	1/4"		
2nd Layer		Fiber Board	1"		
3rd Layer	023A	Tar	1/4"		
4th Layer					
5th Layer					
6th Layer (bottom)					
Flashing	024	Tar Paper	1/4"		
D1-		Metal			
Deck		Approx. Roof thickness total	1 3/4"		
		rippi ox. Rooj entekness total	13/1		
		Roof	2,754	(sq/ft)	****
Amount included in F Building				(sq/ft)	
Amount included in F Building Layer		Roof Composition	2,754 Thickness	(sq/ft) Status	Asbestos Type & %
Amount included in F  Building  Layer  1st Layer (top)	11 Sample #	Roof  Composition  Rocks	2,754  Thickness 1/2"		Asbestos Type & %
Amount included in F  Building  Layer  1st Layer (top)  2nd Layer	11 Sample #	Roof  Composition  Rocks  Tar Paper	2,754  Thickness 1/2" 1/4"		Asbestos Type & %
Amount included in F  Building  Layer  1st Layer (top)  2nd Layer  3rd Layer	11 Sample #	Roof  Composition  Rocks	2,754  Thickness 1/2" 1/4" 1/4"		Asbestos Type & %
Amount included in F  Building  Layer  1st Layer (top)  2nd Layer  3rd Layer  4th Layer	11 Sample # 001 001A 001B	Roof  Composition  Rocks  Tar Paper  Tar Paper  Tar Paper	2,754  Thickness 1/2" 1/4" 1/4" 1/4"		Asbestos Type & %
Amount included in F Building  Layer  1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Sample #  001 001A 001B 001C	Roof  Composition  Rocks  Tar Paper  Tar Paper  Tar Paper  Far Paper	2,754  Thickness 1/2" 1/4" 1/4" 1/4" 1/2"		Asbestos Type & %
Amount included in F  Building  Layer  1st Layer (top)  2nd Layer  3rd Layer  4th Layer  5th Layer  6th Layer (bottom)	Sample #  001 001A 001B 001C 001D	Roof  Composition  Rocks  Tar Paper  Tar Paper  Tar Paper  Fiber Board  Tar	2,754  Thickness 1/2" 1/4" 1/4" 1/4"		
Amount included in F  Building  Layer  1st Layer (top)  2nd Layer  3rd Layer  4th Layer  5th Layer  6th Layer (bottom)  Flashing	Sample #  001 001A 001B 001C	Roof  Composition  Rocks Tar Paper Tar Paper Tar Paper Fiber Board Tar Tar Paper	2,754  Thickness 1/2" 1/4" 1/4" 1/4" 1/2"		Asbestos Type & %
Amount included in F  Building  Layer  1st Layer (top)  2nd Layer  3rd Layer  4th Layer  5th Layer  6th Layer (bottom)	Sample #  001 001A 001B 001C 001D	Roof  Composition  Rocks  Tar Paper  Tar Paper  Tar Paper  Fiber Board  Tar	2,754  Thickness 1/2" 1/4" 1/4" 1/4" 1/2" 1/4"		

Building	11	Roof	2,754	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)		Rocks	1/2"		l labbatos lypo c. /
2nd Layer	003	Tar Paper	1/4"		
3rd Layer	003A	Tar Paper	1/4"		
4th Layer	003B	Tar Paper	1/4"		
5th Layer	003C	Fiber Board	1/2"		
6th Layer (bottom)	003C	Tar	1/4"		
Flashing	004	Tar Paper	1/2"		Chrysotile 11%
Deck		Cement	/-		dinysothe 1170
		Approx. Roof thickness total	2 1/2"		
Amount included in Building		Roof	16,500	(sq/ft)	
		1001	10,300	(39/10)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	031	Tar	1/2"		
2nd Layer		ISO Board	1"		
3rd Layer	031A	Tar	1/8"		
4th Layer		ISO Board	1/4"		
5th Layer	031B	Tar	1/8"		
6th Layer (bottom)					
Flashing	032	Tar Paper	1/4"		Chrysotile 18%
Deck		Gypsum			
		Approx. Roof thickness total	2 1/4"		
Amount included in F	loofing Totals.	•			
	4.0			( /6.3	
Building	12	Roof	16,500	(sq/ft)	
Layer	Sample #	Roof Composition	16,500 Thickness	(sq/ft) Status	Asbestos Type & %
Layer 1st Layer (top)			Thickness		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer	Sample #	Composition			Asbestos Type & %
Layer 1st Layer (top)	Sample #	Composition Tar	Thickness 1/2" 1"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer	Sample #	Composition Tar ISO Board	Thickness 1/2" 1" 1/8"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer	Sample #	Composition Tar ISO Board Tar	Thickness 1/2" 1" 1/8" 1/4"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer	Sample # 033 033A	Composition Tar ISO Board Tar ISO Board	Thickness 1/2" 1" 1/8"		Asbestos Type & %
Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Sample # 033 033A	Composition  Tar  ISO Board  Tar  ISO Board  Tar  ISO Board	Thickness  1/2" 1" 1/8" 1/4" 1/8"		
Layer  1st Layer (top)  2nd Layer  3rd Layer  4th Layer  5th Layer  6th Layer (bottom)	Sample # 033 033A 033B	Composition Tar ISO Board Tar ISO Board	Thickness 1/2" 1" 1/8" 1/4"		Asbestos Type & %

Building	<u> 13                                    </u>	Roof		(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)		Rubber	1/4"		
2nd Layer		ISO Board	1 1/2"		
3rd Layer	029	Tar Paper			
4th Layer		Fiber Board	1/4" 1"		
5th Layer	029A	Tar Paper	1/4"		
6th Layer (bottom)					
Flashing		None			
Deck		Gypsum		<del></del>	
	<u> </u>	Approx. Roof thickness total	3 1/4		1
Building	13	Roof		(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	<u> </u>	Rubber	1/4"		
2nd Layer		ISO Board	1 1/2"		
3rd Layer	030	Tar Paper			
4th Layer		Fiber Board	1/4" 1"		
	03A	Tar Paper	1/4"		
5th Laver	I USA I				
5th Layer 6th Layer (bottom)	USA		-/-		
6th Layer (bottom)	USA		-/-		
6th Layer (bottom) Flashing	USA	None			
6th Layer (bottom)	USA		3 1/4		
6th Layer (bottom) Flashing	Roofing Totals.	None Gypsum		(sq/ft)	
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer	Roofing Totals.  16  Sample #	None Gypsum Approx. Roof thickness total  Roof  Composition	3 1/4 4,112 Thickness	(sq/ft) Status	Asbestos Type & %
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer 1st Layer (top)	Roofing Totals.	None Gypsum Approx. Roof thickness total  Roof  Composition  Tar Paper	3 1/4 4,112 Thickness 1/4"		Asbestos Type & %
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer 1st Layer (top) 2nd Layer	Roofing Totals.  16  Sample #	None Gypsum Approx. Roof thickness total  Roof  Composition Tar Paper Stick Rock	3 1/4  4,112  Thickness 1/4" 1 1/2"		Asbestos Type & %
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer 1st Layer (top) 2nd Layer 3rd Layer	Roofing Totals.  16  Sample #  005	None Gypsum Approx. Roof thickness total  Roof  Composition  Tar Paper	3 1/4  4,112  Thickness 1/4" 1 1/2" 1/16"		Asbestos Type & %
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer	Roofing Totals.  16  Sample #	None Gypsum Approx. Roof thickness total  Roof  Composition Tar Paper Stick Rock	3 1/4  4,112  Thickness 1/4" 1 1/2"		Asbestos Type & %
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Roofing Totals.  16  Sample #  005	None Gypsum Approx. Roof thickness total  Roof  Composition Tar Paper Stick Rock Plastic	3 1/4  4,112  Thickness 1/4" 1 1/2" 1/16"		Asbestos Type & %
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer (bottom)	Roofing Totals.  16  Sample #  005	None Gypsum Approx. Roof thickness total  Roof  Composition Tar Paper Stick Rock Plastic	3 1/4  4,112  Thickness 1/4" 1 1/2" 1/16"		Asbestos Type & %
6th Layer (bottom) Flashing Deck  Amount included in l  Building  Layer 1st Layer (top) 2nd Layer 3rd Layer 4th Layer 5th Layer	Roofing Totals.  16  Sample #  005	None Gypsum Approx. Roof thickness total  Roof  Composition Tar Paper Stick Rock Plastic	3 1/4  4,112  Thickness 1/4" 1 1/2" 1/16"		Asbestos Type & %

Building	16	Roof	4, 112	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)	007	Tar Paper	1/4"		
2nd Layer		Stick Rock	1 1/2"		
3rd Layer		Plastic	1/16"		
4th Layer	007A	Gypsum	1 1/2"		
5th Layer					
6th Layer (bottom)					
Flashing	008	Tar Paper	1/2"		Chrysotile 7.3%
Deck		Cement	-/-		,,,-
	L	Approx. Roof thickness t	otal 3.7/8"		<u> </u>
Amount included in F	Roofing Totals.	· · · · · · · · · · · · · · · · · · ·			
Building	17	Roof	360	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)		Rubber	1/8"		
2nd Layer		ISO Board	2 1/2"		
3rd Layer		Tar			
4th Layer					
5th Layer					
6th Layer (bottom)					
Flashing		None			, ,
Deck		Metal			
Deck		Approx. Roof thickness t	otal 2 5/8"		
Amount included in R	Roofing Totals.	TAPPT ON TOOL SHERIFESS C	2 3/0		
Building	17	Roof	360	(sq/ft)	
Layer	Sample #	Composition	Thickness	Status	Asbestos Type & %
1st Layer (top)		Rubber	1/8"		
2nd Layer		ISO Board	2 1/2"		
3rd Layer					
4th Layer					
5th Layer					
6th Layer (bottom)					
Flashing		None			
Deck		Metal			
		Approx. Roof thickness t	otal 2 5/8"		
Amount included in R					





Client:

**Labella Associates** 

Job No: 11677-09

Location:

Roof, Building 2

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
al				Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-009	82849	Spot #1, 1st Layer	Black Fibrous	Inconclusive	. 0%	Π	Trace Chrysotile	<1.0%	Cellulose 10%	90%
			Roofing	No Asbestos Detected		٧				
ROF-	82850	Spot #1, 2nd Layer	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 15%	85%
009A			Roofing	No Asbestos Detected		٧				
ROF-	82851	Spot #1, 3rd Layer	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 10%	90%
009B			Roofing	No Asbestos Detected		٧				
FLA-010	82852	Spot #1	Black Fibrous	Chrysotile 23%	23%		Not Required	N/A	Cellulose 10%	67%
			Flashing			۷				
ROF-011	82853	Spot #2, 1st Layer	Black Fibrous	Inconclusive	0%		Trace Chrysotile	<1.0%	Cellulose 10%	90%
			Roofing	No Asbestos Detected		٧				
ROF-	82854	Spot #2, 2nd Layer	Black Roofing	Inconclusive	0%		None Detected	<1.0%	None Detected	100%
011A				No Asbestos Detected		۷				
ROF-	82855	Spot #2, 3rd Layer	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 10%	90%
011B			Roofing	No Asbestos Detected		۷				
FLA-012	82856	Spot #2	Black Fibrous	Chrysotile 15%	15%		Not Required	N/A	Cellulose 10%	75%
			Flashing			٧				

Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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

PLM Date Analyzed: 10/1/2009

Olympus BH-2 #232953

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

Microscope: PLM Analyst:

J. Peter Donato

TEM Date Analyzed: 10/1/2008

TEM Analyst: M. Hasenauer

Laboratory Results Approved By: **Asbestos Technical Director** 

Mary Dohr

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Client:

**Labella Associates** 

Job No: 11676-09

Location:

Roof, Building 16

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

9/25/2009 Sample Date:

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
			<b>.</b>	Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-005	82843	Roof, Layer 1	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 15%	82%
			Roofing	No Asbestos Detected		√			Mineral Wool 3%	
ROF- 005A	82844	Roof, Layer 2	Gray Roofing Insulation	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
FLA-006	82845	Roof Edge	Black Fibrous Flashing	Chrysotile 19%	19%	V	Not Required	N/A	Cellulose 5% Mineral Wool 3%	73%
ROF-007	82846	Roof, Layer 1	Black Fibrous Roofing	Inconclusive. Trace Chrysotile Detected.	<1.0%	٧	None Detected	<1.0%	Cellulose 15%	85%
ROF- 007A	82847	Roof, Layer 2	White Roofing Insulation	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
FLA-008	82848	Roof Edge	Black Fibrous Flashing	Chrysotile 7.3%	7.3%	٧	Not Required	N/A	Cellulose 10%	82.7%

Lab Code 200530-0 for PLM Analysis

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.").

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

PLM Date Analyzed: 10/1/2009

Microscope:

Olympus BH-2 #232953

**PLM Analyst:** 

J. Peter Donato

TEM Date Analyzed: 10/1/2009 TEM Analyst: M. Hasenayer

Laboratory Results Approved By: **Asbestos Technical Director** 

Mary Dohr

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**ELAP ID No.: 10958** 



Client:

Labella Associates

Job No: 11678-09

Location:

Roof, Building 8

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

att.	9/25/2009								
Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type &	PLM Matrix Materia
								Percentage	%
82857	Spot #1, 1st Layer	Black Roofing	Inconclusive No Asbestos Detected	<1.0%	٧	None Detected	<1.0%	None Detected	100%
82858	Spot #1, 2nd Layer	Black Fibrous Roofing	Inconclusive No Asbestos Detected	<1.0%	٧	None Detected	<1.0%	Cellulose 30%	70%
82859	Spot #1	Black Fibrous Flashing	Chrysotile 7.0%	7.0%	٧	Not Required	N/A	Cellulose 10%	83%
82860	Spot #2, 1st Layer	Black Fibrous Roofing	Inconclusive No Asbestos Detected	0%	٧	None Detected	<1.0%	Cellulose 10%	90%
82861	Spot #2, 2nd Layer	Black Fibrous Roofing	Inconclusive No Asbestos Detected	0%	٧	None Detected	<1.0%	Cellulose 15%	85%
82862	Spot #2	Black Fibrous Flashing	Chrysotile 10%	10%	٧	Not Required	N/A	Cellulose 10%	80%
								***************************************	
	82857 82858 82859 82860	Rab ID   Sampling Location	Lab IDSampling LocationDescription82857Spot #1, 1st LayerBlack Roofing82858Spot #1, 2nd LayerBlack Fibrous Roofing82859Spot #1Black Fibrous Flashing82860Spot #2, 1st LayerBlack Fibrous Roofing82861Spot #2, 2nd LayerBlack Fibrous Roofing82862Spot #2Black Fibrous Black Fibrous Roofing	Lab IDSampling LocationDescriptionPLM Asbestos Fibers Type & Percentage82857Spot #1, 1st LayerBlack RoofingInconclusive No Asbestos Detected82858Spot #1, 2nd LayerBlack Fibrous RoofingInconclusive No Asbestos Detected82859Spot #1Black Fibrous FlashingChrysotile 7.0%82860Spot #2, 1st LayerBlack Fibrous RoofingInconclusive No Asbestos Detected82861Spot #2, 2nd LayerBlack Fibrous RoofingInconclusive No Asbestos Detected82862Spot #2Black FibrousChrysotile 10%	Lab IDSampling LocationDescriptionPLM Asbestos Fibers Type & PercentagePLM Total Asbestos82857Spot #1, 1st LayerBlack RoofingInconclusive No Asbestos Detected<1.0%	Lab ID       Sampling Location       Description       PLM Asbestos Fibers Type & Percentage       PLM Total Asbestos       No Asbestos         82857       Spot #1, 1st Layer       Black Roofing       Inconclusive No Asbestos Detected       <1.0%	Lab IDSampling LocationDescriptionPLM Sibestos Fibers Type & PercentagePLM Total O Asbestos Fibers Type & PercentageN TEM Asbestos Fibers Type & Percentage82857Spot #1, 1st LayerBlack RoofingInconclusive No Asbestos Detected<1.0%	Rampling Location   Description   Description   Description   Description   PLM Asbestos   PLM   Total   O   Fibers Type & Percentage   Percentage   Percentage   Percentage   Percentage   PlM   Total   Percentage   Percentage   Percentage   Percentage   Percentage   Percentage   Percentage   Percentage   Percentage   PlM   Fibers Type & Percentage   Percentage   Percentage   Percentage   PlM   PlM   Percentage   PlM	Rabid   Part

Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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.").

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

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

PLM Date Analyzed: 10/1/2009

Microscope:

Olympus BH-2 #232953

**PLM Analyst:** 

J. Peter Donato

TEM Date Analyzed: 10/2/2009

TEM Analyst: J. Peter Donato

Laboratory Results Approved By: **Asbestos Technical Director** 

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under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

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PLMChainEnvoyrev3 4 25 08.xls



Client:

Labella Associates

lob No: 11679-09

Location:

Roof, Building 9

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Date Re-Issued: 10/13/2009

Sample Date:

9/25/2009

Sample D	ate:	9/45/4009								
				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
al: . ID		C	Dii	Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Materia
						1			Percentage	%
ROF-017	82863	Roof, Layer 1	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 20%	75%
			Roofing	No Asbestos Detected		٧			Mineral Wool 5%	
ROF-	82864	Roof, Layer 2	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 15%	80%
017A			Roofing	No Asbestos Detected		٧	:		Mineral Wool 5%	
ROF-	82865	Roof, Layer 3	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 20%	70%
017B		•	Roofing	No Asbestos Detected		٧			Mineral Wool 10%	
FLA-018	82866	Roof Edge	Black Fibrous	Chrysotile 21%	21%		Not Required	N/A	Cellulose 10%	69%
12.1.020		, and the second	Flashing	-		٧	-			
ROF-019	82867	Roof, Layer 1	Black Fibrous	Inconclusive	0%	<del> </del>	None Detected	<1.0%	Cellulose 20%	70%
NOT 015		·	Roofing	No Asbestos Detected		√			Mineral Wool 10%	
ROF-	82868	Roof, Layer 2	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 15%	80%
019A			Roofing	No Asbestos Detected		٧		•	Mineral Wool 5%	
ROF-	82869	Roof, Layer 3	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 20%	70%
019B			Roofing	No Asbestos Detected		٧			Mineral Wool 10%	
FLA-020	82870	Roof Edge	Black Fibrous	Chrysotile 16%	16%		Not Required	N/A	Cellulose 10%	74%
			Flashing			٧				
					.,	<u> </u>				
1				1		I				L

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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\*\* 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: 10/1/2009

Microscope:

Olympus BH-2 #232953

PLM Analyst:

J. Peter Donato

and analysts' and precision) is available upon request.

TEM Date Analyzed: 10/1/2099

TEM Analyst: M. Hasenauer

Laboratory Results Approved By **Asbestos Technical Director** 

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585.454.1060 Fax 585.454.1062	562	1584· F14·	rrote abbellage. com	ilacc. con	<	Page O	of 72
Job Ticket #: 22/929		Results To:	Turn Around Time:	5 X Other		Date Logged In: 9/29/07	19691
Client Mailing Address:		Date Sampled: 0.25.09	Material Type/Quantity Friable NOB	antity: NOB X TEM ★	*	$\mathcal{L}_{S}$ Logged In By:	Ŋ
20 2016 St. Mile 201	5 =	Project Location:	Project Number:	04.1400	0	6 OF 10	Scoc
Coperal   Ocation:	1	ROF 9					
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Transported to Paradigm 67.		P-12 Date: 9.25.09		ntact name:			()
Poceived By:		Dafe	TOTAL NUMBER OF SAMPLES IN SURVEY:	OF SAMPLES II	V SURVEY.		44
Necessary:		10 11		Mac blunds bac	he handled t	specifically only he handled by trained and authorized personnel	ed personnel

Containenzed materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)



**Client:** 

Labella Associates

Job No: 11680-09

Location:

Roof, Building 10

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

Sample D		7/43/4007				F - 2				
				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Citentib	Lab ID	Samping Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-021	82871	Roof, Layer 1	Black Fibrous	Inconclusive.	<1.0%		Trace Chrysotile	<1.0%	Cellulose 10%	90%
			Roofing	Trace Chrysotile Detected.		٧				
ROF-	82872	Roof, Layer 2	Black Fibrous	Trace Chrysotile	<1.0%		<1.0% Residue	N/A	Cellulose 15%	85%
021A			Roofing			۷	Remaining. TEM Not Required.			
FLA-022	82873	Roof Edge	Black Fibrous	None Detected	0%		<1.0% Residue	N/A	Cellulose 30%	70%
			Flashing			l۷	Remaining. TEM Not Required.			
ROF-023	82874	Roof Layer 1	Black Fibrous	None Detected	0%	Π	<1.0% Residue	N/A	Cellulose 30%	70%
			Roofing			٧	Remaining. TEM Not Required.			
ROF-	82875	Roof, Layer 2	Black Fibrous	None Detected	0%		Not Required	N/A	Cellulose 90%	10%
023A			Roofing Insulation							
FLA-024	82876	Roof Edge	Black Fibrous	None Detected	0%		<1.0% Residue	N/A	Cellulose 30%	70%
			Flashing			٧	Remaining. TEM Not Required.			

Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 10/1/2009

TEM Date Analyzed: 10/2/2009

Microscope:

Olympus BH-2 #232953

TEM Analyst: J. Peter Donato

PLM Analyst:

J. Peter Donato

Laboratory Results Approved By: **Asbestos Technical Director** 

Mary Dohr

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		SHAND OF CHISTODY FOR PIM ASBESTOS ANALYSIS	PI M ASBEST	<b>FOS ANAL</b>	YSIS	OFFICE USE ONLY	E ONLY
(		CHAIN OF COST SET	Contact:				
ENVOY		holla Associates	Rick Rote			30) :# gor	1680-027
environmental consultan	MV	Phone Number:	Fax Number:				
145 Lake Avenue, Kochester, M. 14000000	ra 1062	107. 8841	rrotealabell	apc. com		Page of	
Job Ticket #: 0, 1020		Results To Loon Mance	Turn Around Time:	5 X Other		Date Logged In: 9/24/69	69/60/6
Client Mailing Address:		Date Sampled: 0.25:09	Material Type/Quantity: Friable NOB X	ty: X TEM &		Logged In By: $\mathcal{R}$ $\lesssim$	S
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Transported to Paradigm 60%	" Exter	P-64 Date: 9.25.09	or provide TEM contact name:	itact name:	SURVEY		42
Received By:	0	VS Date: 9/29/189	101 AL NOMBEN	ed vino bluode bus	handled by	trained and author	zed personnel
Containerized materials atta under regulated conditions.	ched to this (Danger; Mi	Containerized materials attached to this Chain of Custody may contain Asbestos is a known cardinger and size of under regulated conditions. (Danger, May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)	is is a known cardinogen o Disease Hazard)				



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

## PLM & TEM BULK ASBESTOS REPORT

Client:

Labella Associates

**Job No:** 11681-09

Location:

Roof, Building 7

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
				Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-025	82877	Roof, Layer 1 .	Black Roofing	Inconclusive	0%	Π	None Detected	<1.0%	Fiberglass 1%	99%
				No Asbestos Detected		۷				
ROF-	82878	Roof, Layer 2	Black Roofing	Inconclusive	0%		None Detected	<1.0%	Fiberglass 1%	99%
025A				No Asbestos Detected		٧				
ROF-	82879	Roof, Layer 3	Black Roofing	Inconclusive	0%	Г	None Detected	<1.0%	None Detected	100%
025B				No Asbestos Detected		٧				
ROF-	82880	Roof, Layer 4	Black Roofing	None Detected	0%	Π	<1.0% Residue	N/A	None Detected	100%
025C						۷	Remaining. TEM Not Required			:
FLA-026	82881	Roof Edge	Black Fibrous	Chrysotile 39%	39%		Not Required	N/A	None Detected	61%
			Flashing			٧				
ROF-027	82882	Roof, Layer 1	Black Roofing	Inconclusive	0%		None Detected	<1.0%	Fiberglass 1%	99%
				No Asbestos Detected		٧				
ROF-	82883	Roof, Layer 2	Black Roofing	Inconclusive	0%	Γ	None Detected	<1.0%	Fiberglass 1%	99%
027A				No Asbestos Detected		٧				
ROF-	82884	Roof, Layer 3	Black Roofing	Inconclusive	0%	Π	None Detected	<1.0%	None Detected	100%
027B				No Asbestos Detected		۷				
ROF-	82885	Roof, Layer 4	Black Roofing	None Detected	0%		<1.0% Residue	N/A	None Detected	100%
027C						√	Remaining. TEM Not Required			
FLA-028	82886	Roof Edge	Black Fibrous	Chrysotile 38%	38%		Not Required	N/A	None Detected	62%
			Flashing			۷				

Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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.").

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\*\* 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: 10/1/2009

Microscope:

Olympus BH-2 #233173

PLM Analyst:

F. Childs

TEM Date Analyzed: 10/2/2009

TEM Analyst: J. Peter Donato

Laboratory Results Approved By: **Asbestos Technical Director** 

Mary Dohr

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environmental consuments, me:		Fax Number:			
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585-454-1060 Fax 585-454-1002	Results To:	Turn Around Time:	J. Phor	Date Logged In: 9 99 /09	
Job Ticket #: 24/832_	Grega Mance	7 2 3 3 2 X			
Client Mailing Address:	Date Sampled: 0.0C.19	Material Typer Work X	TEM X	72/	
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Containerized materials attached to t	Containerized materials attached to this Chain of Custody may contain Asbestos is a known carding Containerized materials attached to this Chain of Custody may contain Asbestos Fibers. Cancer and Lung Disease Hazard)	os is a known carolingon and pisease Hazard)			
under regulated conditions. (Danger	r, May Contain Aspesios , izere,	wt."			•



Client:

**Labella Associates** 

Job No: 11682-09

Location:

Roof, Building 13

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

Sample D	u.v.	9/23/2009								
				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
Client ID	Lab ID	Sampling Location	Description	Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Chentin	Labib	Samping Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-029	82887	Spot #1, 1st Layer	Black Roofing	Inconclusive	0%		None Detected	<1.0%	Fiberglass 1%	99%
				No Asbestos		√				
				Detected						
ROF-	82888	Spot #1, 2nd Layer	Black Roofing	None Detected	0%		<1.0% Residue	N/A	Fiberglass 1%	99%
029A			ĺ			V	Remaining, TEM			
							Not Required			
ROF-030	82889	Spot #2, 1st Layer	Black Roofing	Inconclusive	0%		None Detected	<1.0%	Fiberglass 1%	99%
				No Asbestos		V				
				Detected						
ROF-	82890	Spot #2, 2nd Layer	Black Roofing	None Detected	0%		<1.0% Residue	N/A	Fiberglass 1%	99%
030A			ļ			l۷l	Remaining. TEM			
000							Not Required			
						$\vdash$				
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Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.  $\underline{\textit{Quantitative transmission electron microscopy}}$  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: 10/1/2009

Olympus BH-2 #233173

TEM Date Analyzed: 10/2/2009

TEM Analyst: J. Peter Donato

Microscope: PLM Analyst:

F. Childs

Laboratory Results Approved By: **Asbestos Technical Director** 

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Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcii under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)



Client:

**Labella Associates** 

Iob No: 11683-09

Location:

Roof, Building 12

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
				Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-031	82891	Roof, Layer 1	Black Roofing	Inconclusive	0%	Π	None Detected	<1.0%	Fiberglass 5%	95%
				No Asbestos Detected		٧				
ROF-	82892	Roof, Layer 2	Black Roofing	Inconclusive	0%		None Detected	<1.0%	Fiberglass 5%	95%
031A				No Asbestos Detected		٧				
ROF-	82893	Roof, Layer 3	Black Roofing	Trace Chrysotile	<1.0%		<1.0% Residue	N/A	Fiberglass 1%	99%
031B						٧	Remaining. TEM Not Required			
FLA-032	82894	Roof Edges	Black Fibrous	Chrysotile 18%	18%		Not Required	N/A	Fiberglass 5%	77%
			Flashing			٧				
ROF-033	82895	Roof, Layer 1	Black Roofing	Inconclusive	0%	T	None Detected	<1.0%	Fiberglass 5%	95%
				No Asbestos Detected		٧		:		
ROF-	82896	Roof, Layer 2	Black Roofing	Inconclusive	0%	Г	None Detected	<1.0%	Fiberglass 5%	95%
033A				No Asbestos Detected		٧				
ROF-	82897	Roof, Layer 3	Black Roofing	Trace Chrysotile	<1.0%		<1.0% Residue	N/A	Fiberglass 1%	99%
033B						٧	Remaining. TEM Not Required			
FLA-034	82898	Roof Edges	Black Flashing	Chrysotile 17%	17%		Not Required	N/A	Fiberglass 5%	78%
						√				

Lab Code 200530-0 for PLM Analysis

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.").

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

PLM Date Analyzed: 10/1/2009

Microscope:

Olympus BH-2 #233173

TEM Date Analyzed: 10/2/2009 TEM Analyst: j. Peter Donato

PLM Analyst:

F. Childs

and analysts' and precision) is available upon request.

**Laboratory Results Approved By: Asbestos Technical Director** 

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11683-09.xls 10/2/2009

**ELAP ID No.: 10958** 

	* **	15 1	8911	11683-69
	CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS	PLM ASBESTOS ANAI		JSE ONLY
ENVOY	Client:	Contact: Rick Rofe	100 #:	Hos
environmental consultants, u.c. 145 Lake Avenue, Rochester, NY 14608	Phone Number:	Fax Number:	Page	0,0
585.454.1060 °Fax 585.454.1062	414· (841	ind Time:		194 P. 199 Med
Job Ticket #: 34832	Grego Mance	Material Type/Quantity:		
Client Mailing Address:	Date Sampled: q.25.09	Friable NOB X TEM &	7	<u> </u>
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Sampled By: 6. Sebart	Sampled By: 6. Seboort 16 Lindsay Date: 9.25-69	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	RFORM TEM ON NOBS	3
Transported to Paradigm (1)	a. P. Lat Date: 9.25.09	or provide TEM contact name:	I SURVEY:	77
Received By:	( Date: 4)9/0	t young carcinogen and should only t	be handled by trained and au	horized personnel
Containerized materials attached to thunder regulated conditions. (Danger;	Containerized materials attached to this Chain of Custody may contain Asbestos is a known caroling and Contained materials attached to this Contain Asbestos Fibers, Cancer and Lung Disease Hazard) under regulated conditions. (Danger, May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)	Disease Hazard)		



Client:

Labella Associates

lob No: 11684-09

Location:

Roof, Building 5

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
				Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-035	82899	Roof, Layer 1	Black Roofing	Chrysotile 2.0%	2.0%		Not Required	N/A	None Detected	98%
						٧				
ROF-	82900	Roof, Layer 2	Black Roofing	Unable to	N/A	Γ	N/A	N/A	N/A	N/A
035A				Separate; See						
03311				Above Sample # ROF-035						
ROF-	82901	Roof, Layer 3	Black Fibrous	Chrysotile 32%	32%		Not Required	N/A	None Detected	68%
035B		-	Roofing			٧				
ROF-	82902	Roof, Layer 4	Black Roofing	Inconclusive.	<1.0%	$\vdash$	Chrysotile 2.7%	2.7%	None Detected	100%
035C				Trace Chrysotile		l٧				
0330				Detected.						
FLA-036	82903	Roof Edges	Black Fibrous	Chrysotile 17%	17%		Not Required	N/A	None Detected	83%
			Flashing			۷				
ROF-037	82904	Roof, Layer 1	Black Roofing	Inconclusive.	<1.0%		Trace Chrysotile	<1.0%	None Detected	100%
				Trace Chrysotile Detected.		√				
ROF-	82905	Roof, Layer 2	Black Roofing	Trace Chrysotile	<1.0%	$\top$	<1.0% Residue	N/A	None Detected	100%
037A						۷	Remaining. TEM Not Required			
ROF-	82906	Roof, Layer 3	Black Fibrous	Chrysotile 35%	35%		Not Required	N/A	None Detected	65%
037B			Roofing			√				
										1000/
ROF-	82907	Roof, Layer 4	Black Roofing	Inconclusive.	<1.0%	١.	Trace Chrysotile	<1.0%	None Detected	100%
037C				Trace Chrysotile Detected.		۷				
FLA-038	82908	Roof Edges	Black Fibrous	Chrysotile 18%	18%	Т	Not Required	N/A	None Detected	82%
			Flashing			√				
	l	1				I				

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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

\*\* 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: 10/1/2009

Microscope:

Olympus BH-2 #234206

TEM Date Analyzed: 10/2/2009

B. Weinman PLM Analyst:

TEM Analyst: J. Peter Donato

Laboratory Results Approved By: **Asbestos Technical Director** 

Mary Dohr

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			sease Hazard)	Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carding containerized materials attached to this Chain of Custody may contain Asbestos Fibers, Cancer and Lung Disease Hazard) under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)	Is attached to this ( tions. (Danger; Ma	Containerized materia under regulated condi
and should only be handled by trained and authorized personnel	be handled by tra			Date: 4/29/07	0	Received By:
42	IN SURVEY:	OF SAMPLES IN SURVEY:	TOTAL NUMBER OF SAMPLE	Date: 4.25.04	adigm Exce	Transported to Paradigm By Lut
		ntect name:	TECN TO ACTOR			
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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

#### PLM & TEM BULK ASBESTOS REPORT

Client:

**Labella Associates** 

**Iob No:** 11685-09

Location:

Roof, Building 4

1000 Driving Park Avenue, Rochester, New York

Page: 1 of 2

Sample Date:

Sample D	ate:	9/25/2009					I mpaga a tanah	rove) 4	7/14	77.32
Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	PLM Matrix Materia %
ROF-039	82909	Roof	Black Roofing	Inconclusive No Asbestos Detected	0%	V	None Detected	<1.0%	None Detected	100%
FLA-040	82910	Roof Edge	Black Flashing	Inconclusive No Asbestos Detected	0%	٧	None Detected	<1.0%	Synthetic 1%	99%
ROF-041	82911	Roof	Black Roofing	Inconclusive No Asbestos Detected	0%	٧	None Detected	<1.0%	None Detected	100%
FLA-042	82912	Roof Edge	Black Flashing	Inconclusive No Asbestos Detected	0%	٧	None Detected	<1.0%	Synthetic 1%	99%

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 10/1/2009

Olympus BH-2 #233173

Microscope: PLM Analyst:

F. Childs

TEM Date Analyzed: 10/1/2009

TEM Analyst: M. Hasenauer

Laboratory Results Approved By:

**Asbestos Technical Director** 

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Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)



Client:

**Labella Associates** 

lob No: 11674-09

Page: 1 of 2

Location:

Roof, Building 11

1000 Driving Park Avenue, Rochester, New York

Sample Date:

9/25/2009

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
				Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
									Percentage	%
ROF-001	82831	Roof, Layer 1	Black Roofing	Inconclusive	0%		None Detected	<1.0%	Cellulose 5%	95%
				No Asbestos Detected		٧				
ROF-	82832	Roof, Layer 2	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 15%	85%
001A			Roofing	No Asbestos Detected		٧				
ROF-	82833	Roof, Layer 3	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 5%	55%
001B			Roofing	No Asbestos Detected		٧			Mineral Wool 40%	
ROF-	82834	Roof, Layer 4	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 5%	65%
001C			Roofing	No Asbestos Detected		٧			Mineral Wool 30%	
TAR-	82835	Roof, Layer 5	Black Fibrous Tar	Inconclusive	0%		None Detected	<1.0%	Cellulose 10%	85%
001D				No Asbestos Detected		٧			Mineral Wool 5%	
FLA-002	82836	Roof Edge	Black Fibrous	Chrysotile 11%	11%		Not Required	N/A	Cellulose 10%	79%
			Flashing			۷				
ROF-003	82837	Roof, Layer 1	Black Fibrous	None Detected	0%		<1.0% Residue	N/A	Cellulose 10%	85%
			Roofing			۷	Remaining. TEM Not Required		Mineral Wool 5%	
ROF-	82838	Roof, Layer 2	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 15%	85%
003A			Roofing	No Asbestos Detected		٧				
ROF-	82839	Roof, Layer 3	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 10%	75%
003B			Roofing	No Asbestos Detected		٧			Mineral Wool 15%	
ROF-	82840	Roof, Layer 4	Black Fibrous	Inconclusive	0%		None Detected	<1.0%	Cellulose 10%	70%
003C			Roofing	No Asbestos Detected		٧			Mineral Wool 20%	

Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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.").

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

\*\* Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically  $bound\ materials.\ \underline{\textit{Quantitative transmission electron\ microscopy}}\ is\ currently\ the\ only\ method\ that\ can\ be\ used\ to\ determine\ if\ this$ material can be considered or treated as non-asbestos containing.

PLM Date Analyzed: 10/1/2009

Microscope:

Olympus BH-2 #232953

PLM Analyst:

J. Peter Donato

TEM Date Analyzed: 10/1/2009

TEM Analyst: M. Hasenauer

Laboratory Results Approved By:

**Asbestos Technical Director** 

Mary Dohr

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environmental consultants, inc.	ultants, inc.	Loholla Associates	Righ Rote			100 HEAI 11 400	6
145 Luke Avenue, Rochester, NY 14608	ester, NY 14608	Phone Number:	Fax Number:			7	
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Client Mailing Address		4 2	ype/Quan	antity:	*	Loaded In By: K S	,
<del>5</del>	ute 201	Project Location:	ct Numb	Ś	S	105 12 COC	Ŋ
Cockeser NY 14	5	ROF BL T					
Client ID	ah a	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	1 ZOCX			BIR	(	ROF	A T
1025200	0800	7 7 7	(	_	1	ROF	
	833	1	1		(	ROF	
<del></del>	434	10,420 4	(		1	ROF	
	835	\$ L \$ 2	1		•	160	
7 7 7 7 7	3 728 -				(	FLA	
800 - Wal	* 83+X	1 12/12	(		(	ROF	
8 02 C 32 4	838				1	ROF	
00000	654	10 10 10 10 10 10 10 10 10 10 10 10 10 1	(		1	ROF	
MROF COST	240	7 . 1	(	Ŧ	1	ROF	, consideration in the state of
		1. 1. 1. 0.05.10	CHECK ONE:	SURVEY	2	BULKS ONLY	
Sampled By: O. Device	Example 10	Lengsay Date: 7 LO 07	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS	ATICALLY PE	RFORM TE	M ON NOBS	7
Transported to Paradigm (1)	digm Er Lee	P. Ly Date: 9.25.09	or provide TEM contact name:	tact name:			C
Received By:	0	0 Date: 9199/69	TOTAL NUMBER OF SAMPLES IN SURVEY:	F SAMPLES II	V SURVEY:		77
	4		s namonional a si	vino bluots bus	be handled b	s a transmic carcinomen and should only be handled by trained and authorized personnel	oersonnel

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known cardit or regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

k ho trom

Client:

Labella Associates

Job No: 11675-09

Location:

Roof B-11

Page: 1 of 2

1000 Driving Park Avenue, Rochester, New York Sample Date:

9/25/2009

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
a1 r	l. , <u>, , , , , , , , , , , , , , , , , ,</u>			Fibers Type &	Total	0	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
	<u> </u>					L			Percentage	%
TAR-	82841	Roof Layer 5	Black Fibrous Tar	Inconclusive	0%		None Detected	<1.0%	None Detected	100%
003D				No Asbestos Detected		۷				
FLA-004	82842	Roof Edge	Black Fibrous	Chrysotile 11%	11%		Not Required	N/A	None Detected	89%
			Flashing			٧				
,										
		:								
· · · · · · · · · · · · · · · · · · ·										·
									*******	

Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

\*\* 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: 10/1/2009

TEM Date Analyzed: 10/1/2009

Microscope:

Olympus BH-2 #232953

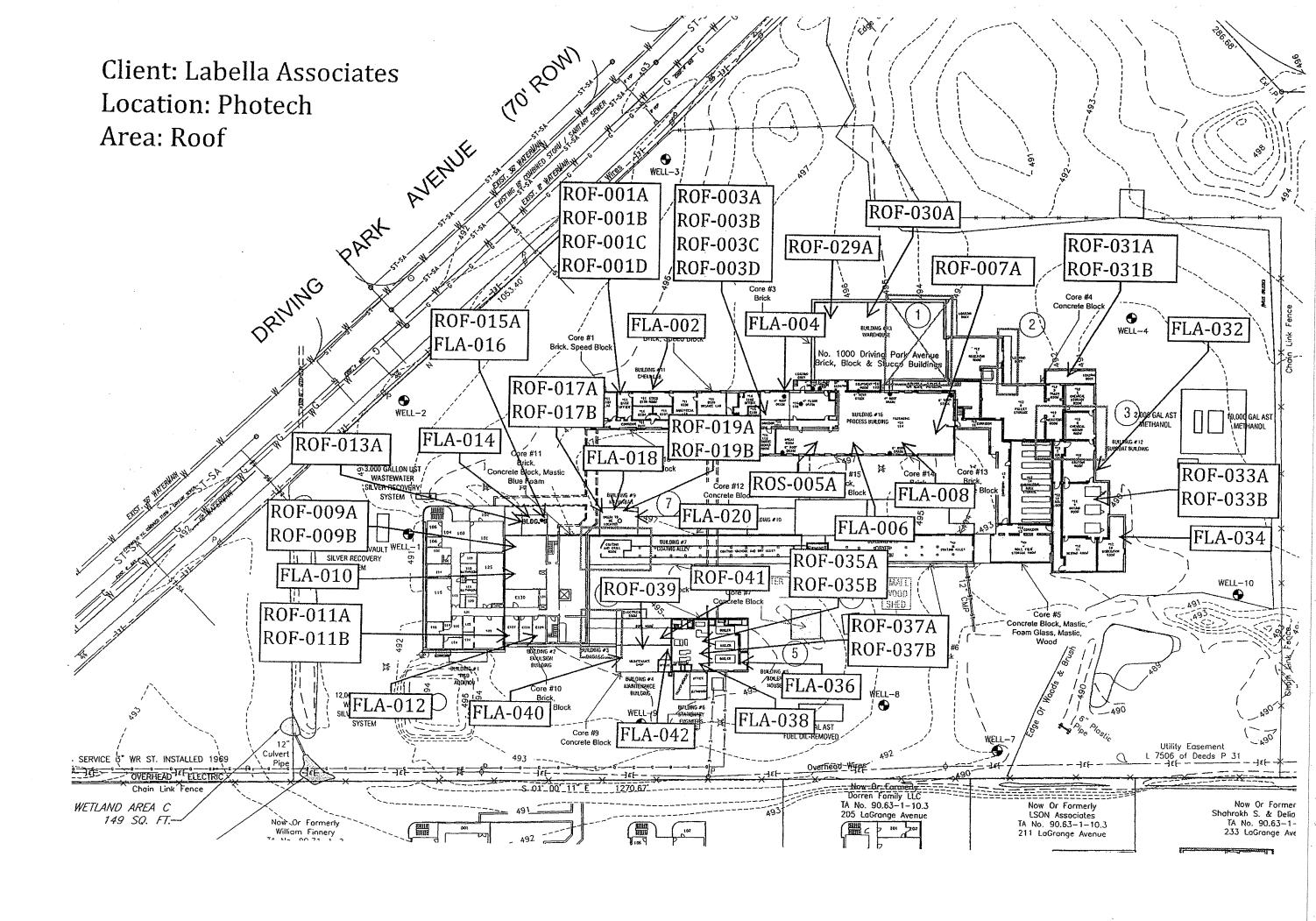
TEM Analyst: M. Hasenauer

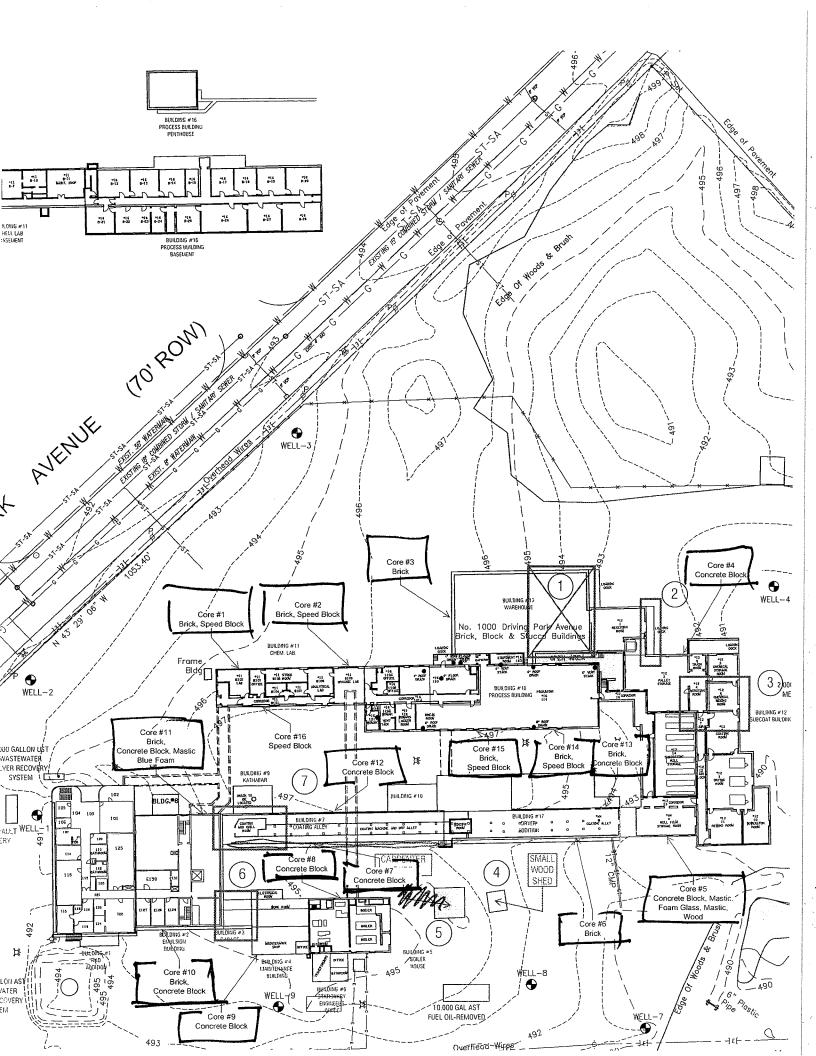
PLM Analyst:

J. Peter Donato

Laboratory Results Approved By: **Asbestos Technical Director** 

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Client:

Labella Associates

Job No: 10741-09

Location:

Former Photech Imaging Systems

Page: 1 of 2

Sample Date:

9/3/2009

				PLM Asbestos	PLM	N	TEM Asbestos	TEM	PLM	PLM
	ŀ			Fibers Type &	Total	o	Fibers Type &	Total	Non-Asbestos	Matrix
Client ID	Lab ID	Sampling Location	Description	Percentage	Asbestos	В	Percentage	Asbestos	Fibers Type &	Material
		' '	-	Percentage	Aspestos	В	reiteiltage	Aspestos	,	1
						<u> </u>			Percentage	%
MAS-001	76359	Building 2 Core Location	Brown Mastic	Inconclusive	0%	١.	None Detected	<1.0%	None Detected	100%
		#11		No Asbestos Detected		\۷				
				Detected		L				
WPL-002	76360	Building 2 Core Location	White Wall Plaster	None Detected	0%	l	Not Required	N/A	None Detected	100%
	1	#11	İ			l				
						<u> </u>				
MAS-003	76361	Building 2 Core Location	Brown Mastic	Inconclusive	0%	١.	None Detected	<1.0%	None Detected	100%
		#11		No Asbestos Detected		۷				
WPL-004		Building 2 Core Location	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
		#11								
MAS-005		Building 12 Core	Brown Fibrous	Chrysotile 35%	35%		Not Required	N/A	None Detected	65%
		Location #5	Mastic			۷				
									·	
WPL-006	76364	Building 12 Core	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
		Location #5								
MAS-007	76365	Building 12 Core	Black Fibrous	Chrysotile 27%	27%		Not Required	N/A	None Detected	73%
		Location #5	Mastic			٧				
MAS-008	76366	Building 12 Core	Brown Fibrous	Chrysotile 17%	17%	١.	Not Required	N/A	None Detected	83%
		Location #5	Mastic			۷				
						_				
WPL-009		Building 12 Core Location #5	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
		LOCATION #5								
	7.0.55	5 1111 46 6	n) 134		3374		N		N/A	
MAS-010	76368	Building 12 Core Location #5	Black Mastic	Sample Not Analyzed No	N/A	١, ١	N/A	N/A	N/A	N/A
		LOCALIOII #5		Analyzed No Mastic Present		۷				
				masuc Frescht				1		

Lab Code 200530-0 for PLM Analysis

**ELAP ID No.: 10958** 

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.").

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\*\* 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: 9/8/2009

and analysts' and precision) is available upon request.

Olympus BH-2 #233173

Microscope: PLM Analyst:

F. Childs

TEM Date Analyzed: 9/10/200

TEM Analyst: J. Peter Donato

Laboratory Results Approved B **Asbestos Technical Director** 

Mary Dohr

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