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July 13, 2011

TTL Project No. 7615.02

Ms. Paula Boase  
Downriver Community Conference Brownfield Consortium  
15100 Northline Road  
Southgate, Michigan 48195

**NESHAP Asbestos and Limited Hazardous Materials Survey Report  
500 North Congress Street  
Ypsilanti, Michigan**

Dear Ms. Boase:

TTL Associates, Inc. (TTL) performed a United States Environmental Protection Agency (U.S. EPA) National Emission Standard for Hazardous Air Pollutants (NESHAP) Asbestos Survey and Limited Hazardous Materials Survey of the above-referenced site. TTL understand that the site building has been selected for demolition.

The asbestos and limited hazardous materials survey was performed for the Downriver Community Conference Brownfield Consortium (DCCBC) and Washtenaw County under TTL's contract with the DCCBC and was funded by the DCCBC's 2009 U. S. EPA Brownfield Assessment Grant. The asbestos survey was completed in accordance with the Quality Assurance Project Plan (QAPP) that was prepared by TTL for investigations under the US EPA Assessment Grant to the DCCBC and in accordance with TTL's Sampling and Analysis Plan (SAP) dated May 16, 2011. Both the QAPP and the SAP were reviewed and approved by the U.S. EPA.

The purpose of the NESHAP asbestos regulation is to protect human health and the environment by minimizing the release of asbestos fibers when facilities that contain asbestos-containing materials (ACM) are renovated or demolished.

**ASBESTOS SURVEY, SAMPLING, AND ANALYSIS**

The objective of this project was to collect the data necessary to comply with the NESHAP renovation/demolition inspection requirements. To meet this objective, Mr. Jason Lariviere of TTL conducted a destructive NESHAP asbestos survey of the accessible interior and exterior areas of site building on June 16, 2011. Mr. Lariviere is certified by the State of Michigan as a Certified Asbestos Building Inspector (Accreditation #A28556). Please refer to Appendix A for Mr. Lariviere's certifications.

The asbestos survey included the identification of suspect materials and the determination of homogeneous sampling areas (HSA), assessment of the condition of each material, estimation of the approximate quantity of the suspect ACM, and collection and analysis of bulk samples from each identified HSA. An HSA is defined as a material that exhibited similar physical characteristics (e.g., texture, surface color, and appearance) and was applied or installed at the same time (if known) as observed by TTL's inspectors utilizing professional judgment and experience. The U.S. EPA defines an ACM as a material that contains greater than one-percent asbestos by visual estimation or weight.

Suspect ACM samples were collected using a coring device or other method, as appropriate, to collect a cross section of the suspect material. The samples were placed into clean, unused sealable bags and marked with a unique sample identification number. The samples of suspect ACMs were transported to TTL's asbestos analytical laboratory and analyzed by Polarized Light Microscopy (PLM) using U.S. EPA Method 600/R-93/116. TTL's laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), which is administered by the National Institute of Standards and Technology. The laboratory accreditation number is included in the attached analytical report.

### **ASBESTOS SURVEY RESULTS**

TTL surveyed the site building for the presence of suspected ACM. A discussion of survey results is provided below.

TTL identified a total of 20 suspect ACMs from which a total of 36 samples (76 layers) were collected. Of the materials tested, two of the suspect ACMs were identified as asbestos-containing as defined by U.S. EPA. TTL also identified 5 materials that were assumed to be asbestos-containing. The roofing felt, roof flashing, parapet caulk, safe insulation, and fire doors were inaccessible and were not sampled. The identified and assumed ACM include the following:

- Approximately 600 linear feet (l.f.) of black siding, façade, caulk located on the exterior of the building (HSA 761502-12).
- Approximately 1,400 square feet (s.f.) of roofing felt located on the roof (HSA 761502-14, assumed positive).
- Approximately 600 s.f. of roof flashing located on the roof (HSA 761502-15, assumed positive).
- Approximately 50 l.f. of interior, yellow door frame caulk located around the front and back doors (HSA 761502-18).
- Approximately 20 s.f. of safe insulation located in the main sales floor (HSA 761502-19, assumed positive).

- Approximately 1 fire door located at the back door (HSA 761502-20, assumed positive).

Refer to Appendix B for the NESHAP Asbestos Survey Summary Table for a listing of the suspect materials identified in each building and the analytical results. Refer to Appendix C for the Asbestos Analytical Report.

### **LIMITED HAZARDOUS MATERIALS SURVEY**

The purpose of the limited Hazardous Materials Survey was to visually identify accessible building components and materials that may contain hazardous materials. Hazardous materials are required to be identified prior to disturbance during demolition or renovation activities in accordance with the U.S. EPA 40 CFR, Part 261 (standard applicable to Generators of Hazardous Waste) and Part 262 (Identification and Listing of Hazardous Waste). The U.S. EPA also requires proper handling and disposal of hazardous materials.

TTL's scope of work was to visually inspect accessible interior and exterior areas of the site buildings to identify suspect hazardous materials present at the facility. Suspect hazardous materials were documented by description of suspect hazardous material, quantity, and location. The limited hazardous material assessment did not include the collection or analysis of suspect hazardous materials.

The following types of suspect hazardous materials were identified in the site buildings during the survey:

- Fluorescent light bulbs
- Light ballasts
- Refrigerants (CFCs)
- Miscellaneous containers of paints and cleaners, and thermostats

Refer to Appendix D for the limited hazardous material survey for a listing of the materials identified in each building.

### **CONCLUSIONS/RECOMMENDATIONS**

#### **ASBESTOS SURVEY**

The U.S. EPA defines regulated asbestos-containing material (RACM) as: (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

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No friable ACM was identified in this building during the survey. The following Category I and Category II non-friable ACM were identified and might become RACM based on the renovation/demolition techniques and will require removal:

- Approximately 600 linear feet (l.f.) of black siding, façade, caulk located on the exterior of the building (HSA 761502-12).
- Approximately 1,400 square feet (s.f.) of roofing felt located on the roof (HSA 761502-14, assumed positive).
- Approximately 600 s.f. of roof flashing located on the roof (HSA 761502-15, assumed positive).
- Approximately 50 l.f. of interior, yellow door frame caulk located around the front and back doors (HSA 761502-18).
- Approximately 20 s.f. of safe insulation located in the main sales floor (HSA 761502-19, assumed positive).
- Approximately 1 fire door located at the back door (HSA 761502-20, assumed positive).

The NESHAP asbestos regulations require the removal of all RACM from a facility being demolished or renovated prior to beginning any activity that might damage or disturb the material. The U.S. EPA or designated authority requires a ten-day written notification if the RACM amounts requiring removal is at least 260 linear feet, 160 square feet, or one cubic meter of facility components where length or area could not be measured.

TTL recommends the removal of the identified ACM that might become RACM based on the project-specific demolition techniques by a licensed asbestos abatement contractor. A written Notification of Intent to Renovate/Demolish form is required to be submitted to the Michigan Department of Natural Resource and Environment, as the U.S. EPA's designated representative at least ten working days prior to beginning any asbestos abatement and/or demolition project. Additionally, a ten-day notification is required to be made to the Michigan Department of Energy, Labor and Economic Growth prior to the removal or disturbance of 10 l.f. or 15 s.f. of friable ACM.

## **HAZARDOUS MATERIALS**

TTL recommends removal of the following materials prior to demolition activities:

- Fluorescent light bulbs typically are suspect of containing mercury. Proper precautions should be taken during dismantling of the light fixtures to prevent bulb breakage (potential release of mercury). Disposal of fluorescent light bulbs can be coordinated with local

municipal collections departments or contracted through environmental reclamation companies.

- Suspected and confirmed PCB light ballasts should be disposed of in accordance with all applicable federal, state, and local rules and regulations.
- Refrigeration units may contain chlorofluorocarbons (CFC's) and should be removed prior to renovation, drained and recycled.
- The thermostat contains mercury and should be removed prior to renovation activities and can be recycled or disposed of according to federal, state, and local regulations.
- The miscellaneous cleaners, paints and small appliances should be discarded as household hazardous waste and disposal can be coordinated with local municipal collection departments.

## **LIMITATIONS**

TTL has made reasonable efforts to identify and quantify suspect ACM and hazardous materials based upon the standard of care in the environmental industry existing at the time of the survey. This survey only summarizes the potential presence and estimated quantities of visually observed ACM and hazardous materials.

Additional material disturbed during renovation or demolition activities should be evaluated on a case-by-case basis, especially materials that were previously hidden, obscured, or inaccessible, to determine if the material is included in this survey. If a given material is not described in this survey or cannot be identified as a non-suspect material, the material should be assumed to contain asbestos and renovation and/or demolition activities should be halted until sampling and analysis can be accomplished. Parties conducting demolition activities should follow all applicable federal, state, and local regulations in handling identified and suspect ACM or hazardous materials. Some materials may be hidden or inaccessible at the time of the survey.

The information contained in the report was based upon specific parameters and regulations in force at the time of the survey. The information herein is only for the specific use of the DCCBC, Washtenaw County, and TTL unless written authorization is obtained from TTL. TTL accepts no responsibility for the use, interpretation, or reliance by other parties on the information contained herein, nor does this report represent an instrument of regulatory compliance or an asbestos abatement specification.

TTL appreciates the opportunity to provide the DCCBC and Washtenaw County with our engineering, consulting, and testing services and we look forward to working with you in the future. Should you have any questions concerning this report, please contact Mr. Walt Grabowski at (419) 324-2222 extension 1146.

Sincerely,

**TTL Associates, Inc.**



Jason R. Lariviere  
Environmental Scientist



Walter Grabowski  
Manager, Industrial Hygiene Services

Cc: Mr. Benjamin R. Kraft, Washtenaw County

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**APPENDIX A**  
**ASBESTOS INSPECTOR CERTIFICATIONS**

*State of Michigan*

Department of Energy, Labor & Economic Growth  
Michigan Occupational Safety & Health Administration - Asbestos Program



**Asbestos Inspector**

**Jason R. Lariviere**  
908 South Lafayette Avenue  
Royal Oak, MI 48067



**Accreditation Number**  
**A28556**

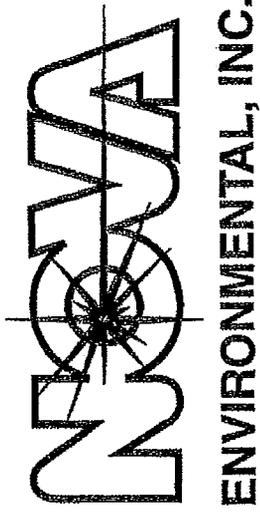
**Expiration Date**  
**04/21/2012**

DOB: 06/27/1976

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is  
not valid if altered.

**93055**



*This Certifies That*

Jason Lariviere

has successfully completed the equivalency course

*Sampling and Evaluating Airborne Asbestos Dust (NIOSH 582)*

Dates: June 2 - June 5, 1997

Course Director:

A handwritten signature in black ink, appearing to read "Kristen Leone Malysz", written over a horizontal line.

Kristen Leone Malysz

**APPENDIX B**

**NESHAP ASBESTOS SURVEY SUMMARY TABLES**

Homogeneous Sampling Areas Table  
Downriver Community Conference Brownfield Consortium  
500 North Congress Street  
Ypsilanti, Michigan

HSA #	Material Description	Friability	Functional Area	Quantity	Units	Sample Number	Sample Results
01	12"x 12" Light gray floor tile with gray streaks and associated mastic	NF-I	Bathroom	80	s.f.	761502-01A, 01B	NEGATIVE
			<b>Total</b>	<b>80</b>	<b>s.f.</b>		
02	Red ceramic tile and associated grout	NF-II	Main sales floor	680	s.f.	761502-02A, 02B	NEGATIVE
02	Red ceramic tile and associated grout	NF-II	Bathroom	80	s.f.		NEGATIVE
			<b>Total</b>	<b>760</b>	<b>s.f.</b>		
03	Cinder block and mortar	NF-II	Main sales floor	960	s.f.	761502-03A	NEGATIVE
03	Cinder block and mortar	NF-II	Back sewing room	1,480	s.f.	761502-03B	NEGATIVE
03	Cinder block and mortar	NF-II	Office	880	s.f.		NEGATIVE
03	Cinder block and mortar	NF-II	Bathroom	760	s.f.		NEGATIVE
			<b>Total</b>	<b>4,080</b>	<b>s.f.</b>		
04	Tan ceramic tile and associated grout	NF-II	Bathroom	560		761502-04A, 04B	NEGATIVE
04	Tan ceramic tile and associated grout	NF-II	Front closet	200	s.f.		NEGATIVE
			<b>Total</b>	<b>760</b>	<b>s.f.</b>		
05	Drywall with tape and mud	NF-II	Main sales floor	1,880	s.f.	761502-05A,B,C	NEGATIVE
05	Drywall with tape and mud	NF-II	Back sewing room	1,296	s.f.	761502-05C	NEGATIVE
05	Drywall with tape and mud	NF-II	Office	440	s.f.	761502-05D, E	NEGATIVE
05	Drywall with tape and mud	NF-II	Bathroom	360	s.f.	761502-05F	NEGATIVE
			<b>Total</b>	<b>3,916</b>	<b>s.f.</b>		
06	Gray ceiling insulation and associated paper backing	F	Main sales floor	680	s.f.	761502-06A	NEGATIVE
06	Gray ceiling insulation and associated paper backing	F	Back sewing room	320	s.f.		NEGATIVE
06	Gray ceiling insulation and associated paper backing	F	Office	200	s.f.	761502-06B, 06C	NEGATIVE
06	Gray ceiling insulation and associated paper backing	F	Bathroom	200	s.f.		NEGATIVE
			<b>Total</b>	<b>1,400</b>	<b>s.f.</b>		
07	2'x 4' White ceiling tiles with pin and worm holes	F	Main sales floor	680	s.f.	761502-07A	NEGATIVE
07	2'x 4' White ceiling tiles with pin and worm holes	F	Back sewing room	320	s.f.		NEGATIVE
07	2'x 4' White ceiling tiles with pin and worm holes	F	Office	200	s.f.	761502-07B	NEGATIVE
07	2'x 4' White ceiling tiles with pin and worm holes	F	Bathroom	200	s.f.		NEGATIVE
			<b>Total</b>	<b>1,400</b>	<b>s.f.</b>		
08	4" Gray covebase and associated mastic	NF-I	Main sales floor	144	l.f.	761502-08A, 08B	NEGATIVE
			<b>Total</b>	<b>144</b>	<b>l.f.</b>		
09	4" Brown covebase and associated mastic	NF-I	Bathroom	36	l.f.	761502-09A, 09B	NEGATIVE
			<b>Total</b>	<b>36</b>	<b>l.f.</b>		
10	Exterior, beige, siding caulk	NF-II	Exterior	1,000	l.f.	761502-10A, 10B	NEGATIVE
			<b>Total</b>	<b>1,000</b>	<b>s.f.</b>		
11	Exterior, white, siding patch caulk	NF-II	Exterior	1,000	l.f.	761502-11A, 11B	NEGATIVE
			<b>Total</b>	<b>1,000</b>	<b>l.f.</b>		

Homogeneous Sampling Areas Table  
Downriver Community Conference Brownfield Consortium  
500 North Congress Street  
Ypsilanti, Michigan

HSA #	Material Description	Friability	Functional Area	Quantity	Units	Sample Number	Sample Results
12	Exterior, black, siding façade, caulk	NF-II	Exterior	600	l.f.	761502-12A, 12B	POSITIVE
			Total	600	l.f.		
13	Black tar paper associated with exterior façade	F	Exterior	800	s.f.	761502-13A, 13B	NEGATIVE
			Total	800	s.f.		
14	Roofing felt	NF-I	Roof	1,400	s.f.		ASSUMED POSITIVE
			Total	1,400	s.f.		
15	Roof flashing	NF-I	Roof	600	s.f.		ASSUMED POSITIVE
			Total	600	s.f.		
16	Parapet caulk	NF-II	Roof	600	l.f.		ASSUMED POSITIVE
			Total	600	l.f.		
17	Exterior, yellow, wood adhesive	NF-II	Exterior, below windows	30	s.f.	761502-17A, 17B	NEGATIVE
			Total	30	s.f.		
18	Interior, yellow, door frame caulk	NF-II	Front door	25	l.f.	761502-18A, 18B	POSITIVE
18	Interior, yellow, door frame caulk	NF-II	Back door	25	l.f.		POSITIVE
			Total	50	l.f.		
19	Safe insulation	NF-II	Main sales floor	20	s.f.		ASSUMED POSITIVE
			Total	20	s.f.		
20	Fire doors	NF-II	Back door	1	door		ASSUMED POSITIVE
			Total	1	door		

**APPENDIX C**  
**ASBESTOS ANALYTICAL REPORT**



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Page 1 of 10

**CLIENT:** Downriver Community Conference  
Brownfield Consortium  
SOUTHGATE, MICHIGAN 48195

**DATE:** June 27, 2011

**ATTN:** Ms. Paula Boase

**Project No.:** 7615.02

**Lab Receiving No.:** 11-06-202660

**Date Received:** June 20, 2011

**Date Sampled:** June 16, 2011

**Project Location:** 500 North Congress Street  
Ypsilanti, Michigan

**Sample Point(s):** see analytical results

**Analysis Performed:** Asbestos Analysis by PLM

**DISCLAIMER**

This report is "PROPRIETARY AND CONFIDENTIAL" and delivered to, and intended for the exclusive use of the above named client only. TTL Associates, Inc., assumes no responsibility or liability for the reliance hereon or use hereof by anyone other than the above named client.

Reviewed by: Myron V. Gasiorowski Date: 06/23/2011  
Myron V. Gasiorowski, Lab Supervisor

Approved by: Nicole S. Christie Date: 06/27/2011  
Nicole Christie, ASP, Manager, Industrial Hygiene Services

## ANALYTICAL NARRATIVE

The note(s) below pertain to the sample(s) and analytical data reported herein:

Quantitative results are listed as approximate % asbestos. Results are based on calibrated visual estimation of materials. All results <1% asbestos (Trace) have been confirmed by the analysis of a duplicate slide. As per the method, all "negative" or BDL samples have been confirmed by triplicate analyses. Due to the nature of the samples the following measurements of uncertainty may apply:

% Asbestos	Uncertainty
1%	± 2%
5%	± 4%
10%	± 5%
>20%	± 10%

Due to the complexity of analyzing floor tile by PLM, the client may want to consider having "negative" floor tiles analyzed further by an alternative method such as TEM.

Samples are archived by TTL Associates for a period of thirty days. Samples may be retained for a longer period of time or returned to the client upon written request.

### Laboratory Accreditation:

U.S. Department of Commerce, National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP), Lab #101594-0

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

### Report Key:

BDL = Below Detection Level  
 n/a = not applicable  
 HSA = Homogeneous Sampling Area

Detection Level: 1% asbestos fibers greater than one micrometer in length.

**POLARIZED LIGHT MICROSCOPY  
ANALYTICAL RESULTS**

**METHOD NUMBER:** EPA/600/R-93/116, July, 1993; 40 CFR, Ch. 1 (7-1-93 ed.), Part 763, Subpart F, Appendix A, pages 293-299  
**BATCH NUMBER:** 2PLM022911, 2PLM023011  
**DATE ANALYZED:** June 21, 2011, June 22, 2011  
**ANALYST:** Myron Gasiorowski

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198821	761502-01A Layer A	01	Bathroom, 12" x 12" floor tile	Off White Floor Tile	100% Binder	BDL
198821	761502-01A Layer B	01	same	Beige Glue	100% Binder	BDL
198822	761502-01B Layer A	01	Bathroom, 12" x 12" floor tile	Off White Floor Tile	100% Binder	BDL
198822	761502-01B Layer B	01	same	Beige Glue	100% Binder	BDL
198823	761502-02A Layer A	02	Main sales floor, ceramic tile and grout	Brown Ceramic Tile	100% Binder	BDL
198823	761502-02A Layer B	02	same	Yellow Glue	100% Binder	BDL
198824	761502-02B Layer A	02	Main sales floor, ceramic tile and grout	Brown Ceramic Tile	100% Binder	BDL
198824	761502-02B Layer B	02	same	Grey Grout	100% Binder	BDL
198825	761502-03A Layer A	03	Main sales floor, cinder block and mortar	Grey/White Plaster/Paint	100% Binder	BDL
198825	761502-03A Layer B	03	same	White/Multi Color Paint	100% Binder	BDL

**POLARIZED LIGHT MICROSCOPY  
ANALYTICAL RESULTS**

<b>METHOD NUMBER:</b>	EPA/600/R-93/116, July, 1993; 40 CFR, Ch. 1 (7-1-93 ed.), Part 763, Subpart F, Appendix A, pages 293-299		
<b>BATCH NUMBER:</b>	2PLM022911, 2PLM023011		
<b>DATE ANALYZED:</b>	June 21, 2011, June 22, 2011		
<b>ANALYST:</b>	Myron Gasiorowski		

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198826	761502-03B Layer A	03	Back sewing room, cinder block and mortar	Grey Concrete	100% Binder	BDL
198826	761502-03B Layer B	03	same	White Plaster	100% Binder	BDL
198826	761502-03B Layer C	03	same	White/Multi Color Paint	100% Binder	BDL
198827	761502-04A Layer A	04	Bathroom, ceramic tile and grout	Tan Ceramic Tile	100% Binder	BDL
198827	761502-04A Layer B	04	same	White Grout	100% Binder	BDL
198828	761502-04B Layer A	04	Bathroom, ceramic tile and grout	Tan Ceramic Tile	100% Binder	BDL
198828	761502-04B Layer B	04	same	White Grout	100% Binder	BDL
198829	761502-05A Layer A	05	Main sales floor, east, drywall with tape and joint compound	Off White Gypsum Board	100% Binder, <1% Cellulose	BDL
198829	761502-05A Layer B	05	same	Brown Backing	96% Cellulose, 4% Binder	BDL
198829	761502-05A Layer C	05	same	Off White Paint	100% Binder	BDL

**POLARIZED LIGHT MICROSCOPY  
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**DATE ANALYZED:** June 21, 2011, June 22, 2011  
**ANALYST:** Myron Gasiorowski

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198830	761502-05B Layer A	05	Main sales floor, west, drywall with tape and joint compound	White Gypsum Board	100% Binder, <1% Cellulose	BDL
198830	761502-05B Layer B	05	same	Grey Backing	96% Cellulose, 4% Binder	BDL
198830	761502-05B Layer C	05	same	Brown Joint Compound Plaster	100% Binder	BDL
198830	761502-05B Layer D	05	same	White Paint	100% Binder	BDL
198831	761502-05C Layer A	05	Back sewing room, south, drywall with tape and joint compound	White Gypsum Board	100% Binder, <1% Fiberglass	BDL
198831	761502-05C Layer B	05	same	Grey Backing	96% Cellulose, 4% Binder	BDL
198831	761502-05C Layer C	05	same	White Joint Compound	100% Binder	BDL
198831	761502-05C Layer D	05	same	White Paint	100% Binder	BDL
198832	761502-05D Layer A	05	Office, east, drywall with tape and joint compound	Off White Gypsum Board	100% Binder, <1% Fiberglass	BDL
198832	761502-05D Layer B	05	same	Tan Backing	96% Cellulose, 4% Binder	BDL

**POLARIZED LIGHT MICROSCOPY  
ANALYTICAL RESULTS**

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LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198832	761502-05D Layer C	05	same	White Joint Compound	100% Binder	BDL
198832	761502-05D Layer D	05	same	White Paint	100% Binder	BDL
198833	761502-05E Layer A	05	Office, west, drywall with tape and joint compound	White Gypsum Board	100% Binder, <1% Fiberglass	BDL
198833	761502-05E Layer B	05	same	Brown Backing	96% Cellulose, 4% Binder	BDL
198833	761502-05E Layer C	05	same	White Joint Compound	100% Binder	BDL
198834	761502-05F Layer A	05	Bathroom, east, drywall with tape and joint compound	White Gypsum Board	100% Binder, <1% Fiberglass	BDL
198834	761502-05F Layer B	05	same	Grey Backing	96% Cellulose, 4% Binder	BDL
198834	761502-05F Layer C	05	same	White Joint Tape	100% Cellulose	BDL
198834	761502-05F Layer D	05	same	White Joint Compound	100% Binder	BDL
198834	761502-05F Layer E	05	same	White Paint	100% Binder	BDL

**POLARIZED LIGHT MICROSCOPY  
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LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198835	761502-05G Layer A	05	Main sales floor, north, drywall with tape and joint compound	Grey Gypsum Board	100% Binder, <1% Fiberglass	BDL
198835	761502-05G Layer B	05	same	Beige Backing	96% Cellulose, 4% Binder	BDL
198835	761502-05G Layer C	05	same	White Joint Compound	100% Binder	BDL
198835	761502-05G Layer D	05	same	White Paint	100% Binder	BDL
198836	761502-06A Layer A	06	Main sales floor, north, insulation	Beige Insulation	100% Cellulose	BDL
198836	761502-06A Layer B	06	same	Brown Backing	96% Cellulose, 4% Binder	BDL
198837	761502-06B Layer A	06	Office, west, insulation	Beige Insulation	100% Cellulose	BDL
198837	761502-06B Layer B	06	same	Brown Backing	96% Cellulose, 4% Binder	BDL
198838	761502-06C Layer A	06	Office, east, insulation	Beige Insulation	100% Cellulose	BDL
198838	761502-06C Layer B	06	same	Brown Backing	96% Cellulose, 4% Binder	BDL

**POLARIZED LIGHT MICROSCOPY  
ANALYTICAL RESULTS**

**METHOD NUMBER:** EPA/600/R-93/116, July, 1993; 40 CFR, Ch. 1 (7-1-93 ed.), Part 763, Subpart F, Appendix A, pages 293-299  
**BATCH NUMBER:** 2PLM022911, 2PLM023011  
**DATE ANALYZED:** June 21, 2011, June 22, 2011  
**ANALYST:** Myron Gasiorowski

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198839	761502-07A Layer A	07	Main sales floor, north, 2' x 4' ceiling tile	Grey Ceiling Tile	95% Perlite, 5% Cellulose	BDL
198839	761502-07A Layer B	07	same	White Paint	100% Binder	BDL
198840	761502-07B Layer A	07	Office, east, 2' x 4' ceiling tile	Grey Ceiling Tile	95% Perlite, 5% Cellulose	BDL
198840	761502-07B Layer B	07	same	White Paint	100% Binder	BDL
198841	761502-08A Layer A	08	Main sales floor, east, 4" grey cove base	Grey Molding	100% Binder	BDL
198841	761502-08A Layer B	08	same	Off White Glue	100% Binder	BDL
198842	761502-08B Layer A	08	Main sales floor, south, 4" grey cove base	Grey Molding	100% Binder	BDL
198842	761502-08B Layer B	08	same	Off White Glue	100% Binder	BDL
198843	761502-09A Layer A	09	Bathroom, 4" brown cove base	Dark Brown Molding	100% Binder	BDL
198843	761502-09A Layer B	09	same	Brown Glue	100% Binder	BDL

**POLARIZED LIGHT MICROSCOPY  
ANALYTICAL RESULTS**

**METHOD NUMBER:** EPA/600/R-93/116, July, 1993; 40 CFR, Ch. 1 (7-1-93 ed.), Part 763, Subpart F, Appendix A, pages 293-299  
**BATCH NUMBER:** 2PLM022911, 2PLM023011  
**DATE ANALYZED:** June 21, 2011, June 22, 2011  
**ANALYST:** Myron Gasiorowski

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198844	761502-09B Layer A	09	Bathroom, 4" brown cove base	Dark Brown Molding	100% Binder	BDL
198844	761502-09B Layer B	09	same	Brown Glue	100% Binder	BDL
198845	761502-10A	10	Exterior, south, exterior caulk	White Caulk	100% Binder	BDL
198846	761502-10B	10	Exterior, east, exterior caulk	White Caulk	100% Binder	BDL
198847	761502-11A Layer A	11	Exterior, east, exterior caulk	White Caulk	100% Binder	BDL
198847	761502-11A Layer B	11	same	White Paint	100% Binder	BDL
198848	761502-11B Layer A	11	Exterior, east, exterior caulk	White Caulk	100% Binder	BDL
198848	761502-11B Layer B	11	same	White Paint	100% Binder	BDL
198849	761502-12A	12	Exterior, south, exterior caulk	Brown Caulk	96% Binder	4% Chrysotile
198850	761502-12B	12	Exterior, south, exterior caulk	Brown Caulk	96% Binder	4% Chrysotile

**POLARIZED LIGHT MICROSCOPY  
ANALYTICAL RESULTS**

**METHOD NUMBER:** EPA/600/R-93/116, July, 1993; 40 CFR, Ch. 1 (7-1-93 ed.), Part 763, Subpart F, Appendix A, pages 293-299  
**BATCH NUMBER:** 2PLM022911, 2PLM023011  
**DATE ANALYZED:** June 21, 2011, June 22, 2011  
**ANALYST:** Myron Gasiorowski

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
198851	761502-13A	13	Exterior, south, tar paper	Black Tar Paper	65% Binder, 35% Cellulose	BDL
198852	761502-13B	13	Exterior, south, tar paper	Black Tar Paper	65% Binder, 35% Cellulose	BDL
198853	761502-17A	17	Exterior, east, adhesive	Beige Plaster	100% Binder	BDL
198854	761502-17B	17	Exterior, east, adhesive	Beige Plaster	100% Binder	BDL
198855	761502-18A	18	Main sales floor, south, interior caulk	Grey Caulk	96% Binder	<b>4% Chrysotile</b>
198856	761502-18B	18	Main sales floor, south, interior caulk	Grey Caulk	96% Binder	<b>4% Chrysotile</b>



# Chain of Custody Record

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1915 North 12th St, Toledo, OH 43604-5305; Voice 419-324-2222, Fax 419-241-1808  
 Ship To Address: ATTN: RECEIVING LAB, 1915 North 12th St, Toledo, OH 43604-5305  
 Sent From:  Toledo  Plymouth  Detroit  Other

Project No.: 7615-00		Client: DCBC		Project/Location: 500 N. CONGRESS / ASHLAND, MI		Parameters	
P.O. No.:		Sampler's Name: DASON, ARTHUR		Sampler's Signature: [Signature]		Lab #	
Project Mgr.: W. GRABOWSKI		Sample Location: [Signature]		Total No. of Containers: PLM		Preserved Yes/No	
Phone No.: (419) 324-2222		Date Sampled: 9/14/01		Time Sampled: 9:30		Matrix	
Item No.	Sample ID	Date Sampled	Time Sampled	Type	Matrix		
1	761502-01A	9/14/01	9:30	P	Bolt	BATH ROOM WIND (FLOORING)	178021
2	-01B					↓	178022
3	-01A					↓ (SPOUT)	178023
4	-02B					↓	178024
5	-03A					↓ FLOOR MORTAR	178025
6	-03B					↓ MAINT SALES (CLIMBER BLOCK)	178026
7	-04A					↓ BACK SEWING ROOM	178027
8	-04B					↓	178028
9	-05A					↓ MAINT SALES FLOOR (RYWALIA/HUB)	178029
10	-05B					↓ MAINT SALES FLOOR - WEST	178030
Item No. 1-10	Relinquished By: [Signature]	Date: 9/14/01	Time: 9:30	Received By: [Signature]	Date: 9/14/01	Time: 9:30	
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time	Received By:	Date / Time	
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time	Received By:	Date / Time	
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time	Received By:	Date / Time	

**LAB USE ONLY**

Were samples delivered  in person  by courier

Were samples preserved  in field  in lab  N/A

Temp of samples  yes  no  N/A

Did samples arrive intact and sealed?  yes  no  N/A

Were proper containers used?  yes  no  N/A

Was container labeled properly for contents?  yes  no  N/A

Were samples packaged properly for type of material?  yes  no  N/A

Was shipping label completed properly per regulations?  yes  no  N/A

Samples were  accepted  rejected

Comments: TAT



1915 North 12th St., Toledo, OH 43604-5305; Voice 419-324-2222, Fax 419-241-1808  
 Ship To Address: ATTN: RECEIVING LAB, 1915 North 12th St., Toledo, OH 43604-5305  
 Sent From:  Toledo  Plymouth  Detroit  Other

# Chain of Custody Record

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Project No.: 7615.02		Client: DICBI		Project/Location: 500 N. CONGRESS/PS3 CANAL, MI		Parameters: KR# 2666	
P.O. No.:		Project/Location:		Sampler's Name: JASON R. RIVERA		Lab #	
Project Mgr.: (4) W. GRABOWSKI		Sampler's Signature:		Sample Location:		Preserved Yes/No	
Phone No. (419) 324-2222		Date Sampled: 6/20/09		Time Sampled: P.M.		Total No. of Containers: 10	
Item No.	Sample I.D.	Date Sampled	Time Sampled	Type	Matrix	Sample Location	Lab #
1	761502-051	6/20/09	P.M.	C	Bulk	ROOM - SOUTH - MUD	198831
2	-052					OFFICE - WEST	198832
3	-053					OFFICE - WEST	198833
4	-054					BATHROOM - EAST	198834
5	-055					MAIN SALES FLOOR - NORTH	198835
6	-060					MAIN SALES FLOOR INSULATION	198836
7	-068					OFFICE - WEST	198837
8	-066					OFFICE - EAST	198838
9	-070					MAIN SALES (2nd FLOOR) INSULATION	198839
10	-078					OFFICE - EAST	198840

Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
1-10	J.P.	6/20/09 9:30	J.P.	6/20/09 3:30
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time

LAB USE ONLY	
Were samples delivered	<input checked="" type="checkbox"/> in person <input type="checkbox"/> by courier
Were samples preserved	<input type="checkbox"/> in field <input type="checkbox"/> in lab <input type="checkbox"/> N/A
Temp of samples	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Did samples arrive intact and sealed?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Were proper containers used?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Was container labeled properly for contents?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Were samples packaged properly for type of material?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Was shipping label completed properly per regulations? (49 CFR 170, etc.)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Samples were	<input checked="" type="checkbox"/> accepted <input type="checkbox"/> rejected
Comments:	TAT: <u>2666</u>



1915 North 12th St., Toledo, OH 43604-5305; Voice 419-324-2222, Fax 419-241-1808  
 Ship To Address: ATTN: RECEIVING LAB, 1915 North 12th St., Toledo, OH 43604-5305  
 Sent From:  Toledo  Plymouth  Detroit  Other

# Chain of Custody Record

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Project No: 7615.0d		Client: DCCBC		Project/Location: 500 N. CONGRESS/PSYCHIATRY		Parameters: RRF# 2660	
P.O. No:		Project/Location:		Sample Location		LAB USE ONLY	
Project Mgr: W. GRABOWSKI		Sampler's Name: S. ANGLARIERI		Sample Location		LAB USE ONLY	
Phone No: (419) 324-2222		Sampler's Signature: [Signature]		Sample Location		LAB USE ONLY	
Item No.	Sample I.D.	Date Sampled	Time Sampled	Type	Matrix	Total No. of Containers	Lab #
1	761502-08A	6/16/11	P.M.	C	BULK	1	198841
2	-08B					1	198842
3	-09A					1	198843
4	-09B					1	198844
5	-10A					1	198845
6	-10B					1	198846
7	-11A					1	198847
8	-11B					1	198848
9	-12A					1	198849
10	-12B					1	198850

Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
1-10	[Signature]	6/16/11 9:30	[Signature]	6/20/11 9:30
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time

Item No.	Were samples delivered	Were samples preserved	Temp of samples	Did samples arrive intact and sealed?	Were proper containers used?	Was container labeled properly for contents?	Were samples packaged properly for type of material?	Was shipping label completed properly per regulations? (49 CFR 170, etc.)	Samples were	Comments:
	<input checked="" type="checkbox"/> in person	<input type="checkbox"/> in field	<input type="checkbox"/> by courier	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> accepted	



1915 North 12th St., Toledo, OH 43604-5305; Voice 419-324-2222, Fax 419-241-1808  
 Ship To Address: ATTN: RECEIVING LAB, 1915 North 12th St., Toledo, OH 43604-5305  
 Sent From:  Toledo  Plymouth  Detroit  Other

# Chain of Custody Record

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Project No.: 7615-02		Client: DCCBC		Project/Location: SOONAL CONGRESS / PISTANILLI, MI		Parameters		LAB USE ONLY	
P.O. No.:		Sampler's Name: W. GRABOWSKI		Sampler's Signature: [Signature]		Sample Location: ASAN / ARRIVERE		Preserved Yes/No	
Phone No. 419-324-2222		Sampler's Signature: [Signature]		Sample Location: [Signature]		Total No. of Containers		Lab #	
Item No.	Sample I.D.	Date Sampled	Time Sampled	Type	Matrix				
1	761502-13A	6/16/11	P.M.	C	Bulk	EXTERIOR-SOUTH (1 Ac PAPER)	1	Y	198851
2	-13B					EAST	1	X	198852
3	-17A					EXTERIOR (ADRESERVED)	1	Y	198853
4	-17B						1	X	198854
5	-18A					SOUTH	1	Y	198855
6	-18B					MAINSIDE FLOOR (INTERLOCK)	1	Y	198856
7									
8									
9									
10									

Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
1-6	[Signature]	6/16/11 9:30	[Signature]	6/20/11 10:30
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time

LAB USE ONLY	
Were samples delivered in person <input checked="" type="checkbox"/> in field <input type="checkbox"/> by courier <input type="checkbox"/> in lab <input type="checkbox"/> N/A	Temp of samples <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Were samples preserved <input type="checkbox"/> in field <input type="checkbox"/> in lab <input checked="" type="checkbox"/> N/A	Did samples arrive intact and sealed? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Were samples preserved <input type="checkbox"/> in field <input type="checkbox"/> in lab <input checked="" type="checkbox"/> N/A	Were proper containers used? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Temp of samples <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A	Was container labeled properly for contents? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Did samples arrive intact and sealed? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A	Were samples packaged properly for type of material? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Were proper containers used? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A	Was shipping label completed properly per regulations? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A
Was container labeled properly for contents? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A	(49 CFR 170, etc.)
Were samples packaged properly for type of material? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A	Samples were <input checked="" type="checkbox"/> accepted <input type="checkbox"/> rejected
Was shipping label completed properly per regulations? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> N/A	Comments: [Signature]

**APPENDIX D**  
**HAZARDOUS MATERIALS SUMMARY TABLES**

**SUSPECT HAZARDOUS MATERIALS SUMMARY**  
**500 NORTH CONGRESS STREET**  
**YPSILANTI, MICHIGAN**  
**TTL PROJECT NO. 7615.02**

	Main Sales Floor	Front Closet	Back Sewing Room	Office/ Bathroom	Exterior/ Roof	<b>Total</b>
Fluorescent Light Bulbs	18	-	12	-	16	<b>46</b>
Ballasts	18	-	4	-	16	<b>38</b>
Thermostats	1	-	-	-	-	<b>1</b>
Cleaners	9- cans	6- cans	-	-	-	<b>15</b>
Paints	-	4	-	-	-	<b>4</b>
Freon Containing Units	-	-	-	1	1	<b>2</b>
Printer- Toner	1	-	-	-	-	<b>1</b>
Miscellaneous	-	-	-	2- microwave, hot water heater	-	<b>2</b>