



CUY-90-14.90

PID 77332/85531

APPENDIX EC-23

**Regulated Materials Investigation for
PPN 004-08-007,-008,-009,-017,-046,-054,-056
(Contract Document)**

State of Ohio
Department of Transportation
Jolene M. Molitoris, Director

**Innerbelt Bridge
Construction Contract Group 1 (CCG1)**

Revision Date: May 24, 2010



- Addendum No. 4 - New Appendix



HzW ENVIRONMENTAL
CONSULTANTS, LLC

May 21, 2010

Mr. Mark Carpenter
ODOT District 12
5500 Transportation Boulevard
Garfield Heights, Ohio 44125

Subject: Report of Findings of a Regulated Materials Investigation Conducted at The Wendell Collins Building Located at 2177 West 15th Street, Cleveland, Cuyahoga County, Ohio (H10002-12)

Dear Mr. Carpenter:

HzW Environmental Consultants, LLC (HzW) is pleased to submit this letter report which presents the findings of a Regulated Materials Investigation conducted at the Wendell Collins building located at 2177 West 15th Street, Cleveland, Cuyahoga County, Ohio, herein referred to as the "subject building". The purpose of the Regulated Materials Investigation was to identify building materials that contain asbestos, regulated hazardous materials, as well as document the presence of any aboveground and underground storage tanks not previously identified at the subject building prior to the building being manually demolished.

METHODS OF INVESTIGATION

URS Phase II Report Review & Visual Inspection for ASTs/USTs

As part of the Regulated Materials Investigation, HzW reviewed the findings of URS's Phase II activities conducted at The Wendell Collins Building. In addition to this review, HzW performed a visual inspection of the subject building to identify any aboveground and/or underground storage tanks that had not been previously identified as part of URS's Phase II activities. Any such findings were documented by HzW as part of our Regulated Materials Investigation.

Asbestos Survey

During May 2010, representatives of HzW certified as Asbestos Hazard Emergency Response Act (AHERA) building inspectors and as Asbestos Hazard Evaluation Specialists (AHES), performed the asbestos survey. These certifications are required to be maintained by the inspector in accordance with the Asbestos School Hazard Abatement Reauthorization Act (ASHARA) and Ohio Department of Health (ODH) regulations.

The asbestos survey was conducted in accordance with the National Emissions Standard for Hazardous Air Pollutants (NESHAP). NESHAP regulations require no specific survey protocol be followed; however, AHERA protocol is recommended. Therefore, the asbestos survey at the subject building was conducted in accordance with AHERA protocol, which initially requires that all homogeneous areas of building materials located in a building and suspected of containing asbestos be identified. A homogeneous area is a building material/area that is uniform in texture, color, date of application, use or system and appears identical in every other respect. Once all homogeneous areas are identified, functional spaces in which these homogeneous areas exist are subsequently identified. Within each functional space, the AHERA category, condition, quantity, and location of each suspect material is determined.

AHERA classifies friable building materials into the following three (3) categories: surfacing materials, thermal system insulation (TSI) and miscellaneous materials. A friable building material is defined as a material that can be crumbled, pulverized, or reduced to powder by hand pressure. It should be noted that nonfriable building materials are often included by building inspectors under the miscellaneous materials category. Examples of surfacing materials include fireproofing and acoustical plaster. TSI can include, but is not limited to, the following: pipe lagging, pipe wrap, block insulation, batt insulation and mudded fitting insulation. Miscellaneous materials can include, but are not limited, to the following: ceiling tile, drywall and joint compound, floor tile and mastic, roofing materials and transite.

In determining the condition of the material the following guidelines are used.

General Damage Category	AHERA Damage Category	Criteria
Good	No Damage	No Damage
Fair	Damage	Up to 10% overall damage Up to 25% localized damage
Poor	Significant Damage	Over 10% overall damage Over 25% localized damage

The bulk sampling protocol is based on the AHERA category assigned to a specific homogeneous area and the quantity of that homogeneous area identified. For **surfacing materials** if the size of the homogeneous sampling area is less than 1,000 square feet (ft²) then a minimum of three (3) samples are collected. If the size of the homogeneous sampling area is between 1,000 and 5,000 ft² then a minimum of five (5) samples are collected. If the size of the homogeneous sampling area is greater than 5,000 ft² then a minimum of seven (7) samples are collected. For **TSI**, at least three (3) samples are collected from each homogeneous area with the following exceptions:

- One (1) sample will only be collected from a small section (less than six linear or square feet) of patched insulation,
- The number of samples taken from each area of insulating cement (mudded fittings such as fittings, tees, and valves) will be determined by the inspector. The current rule of thumb is generally accepted as three (3) samples, and
- Fibrous glass, foam glass, rubber and styrofoam are not considered suspect materials, unless they potentially cover up an asbestos containing material.

Miscellaneous and nonfriable materials are sampled in a manner sufficient as determined by the inspector. However, the recommended number of samples for these categories of materials is two (2).

Prior to commencing with the asbestos survey activities, HzW performed a walkthrough of the subject building to identify the various building constructions. Based on HzW's walkthrough, the subject building appears to have been constructed in four (4) different stages. In addition, it was noted that four (4) tenants currently occupy the subject building. These tenants consist of the following: Diamond Wheel & Fabricating, Tracer Specialties Inc., Maximum Distributing LLC, and Stripmatic Products Inc. and are referenced as such in this report. Each tenant space was surveyed separately for asbestos-containing materials. A photograph log depicting various views of the subject building is included as **Attachment 1**.

During HzW's survey of the Diamond Wheel & Fabricating's portion of the subject building, all accessible homogeneous areas of building materials suspected of containing asbestos were identified and the functional spaces in which they were located were documented. Three (3) homogeneous areas of building materials suspected of containing asbestos were identified. A total of five (5) bulk samples were collected from one (1) of the homogeneous areas identified. The homogeneous area sampled consisted of drywall system. The homogeneous area sampled was considered to be in good condition at the time of the survey. The remaining two (2) homogeneous areas not sampled and assumed to contain asbestos consist of the following: built-up roof decking and tarred roof flashing. These homogeneous areas were considered to be in good condition at the time of the survey.

During HzW's survey of Tracer Specialties Inc.'s portion of the subject building, all accessible homogeneous areas of building materials suspected of containing asbestos were identified and the functional spaces in which they were located were documented. Seven (7) homogeneous areas of building materials suspected of containing asbestos were identified. A total of fifteen (15) bulk samples were collected from four (4) of the homogeneous areas identified. The homogeneous areas sampled consisted of textured drywall ceiling, drywall system, and floor tile and mastic (2 types). The homogeneous areas sampled were considered to be in good condition at the time of the survey. The remaining three (3) homogeneous areas not sampled and assumed to contain asbestos consist of the following: cove base and mastic, built-up roof decking and tarred roof flashing. These homogeneous areas were considered to be in good condition at the time of the survey.

During HzW's survey of Maximum Distributing LLC's portion of the subject building, all accessible homogeneous areas of building materials suspected of containing asbestos were identified and the functional spaces in which they were located were documented. Ten (10) homogeneous areas of building materials suspected of containing asbestos were identified. A total of twenty-six (26) bulk samples were collected from seven (7) of the homogeneous areas identified. The homogeneous areas sampled consisted of ceiling tile, textured drywall ceiling, texture on block, drywall system, floor tile and mastic (2 types), and carpet mastic. The homogeneous areas sampled were considered to be in good condition at the time of the survey. The remaining three (3) homogeneous areas not sampled and assumed to contain asbestos consist of the following: cove base and mastic, built-up roof decking and tarred roof flashing. These homogeneous areas were considered to be in good condition at the time of the survey.

During HzW's survey of Stripmatic Products, Inc.'s portion of the subject building, all accessible homogeneous areas of building materials suspected of containing asbestos were identified and the functional spaces in which they were located were documented. Three (3) homogeneous areas of building materials suspected of containing asbestos were identified. A total of seven (7) bulk samples were collected from one (1) of the homogeneous areas identified. The homogeneous areas sampled consisted of drywall. The homogeneous area sampled was considered to be in good condition at the time of the survey. The remaining two (2) homogeneous areas not sampled and assumed to contain asbestos consist of the following: built-up roof decking and tarred roof flashing. These homogeneous areas were considered to be in good condition at the time of the survey.

The bulk samples collected were submitted to International Asbestos Testing Laboratories (IATL) of Mt. Laurel, New Jersey, for analysis of asbestos content by polarized light microscopy (PLM) using the Environmental Protection Agency (EPA) Method 600/R-93/116. In accordance with the United States EPA National Emissions Standard for Hazardous Air Pollutants (NESHAP), ACMs identified by PLM as containing less than 10 percent asbestos were subsequently analyzed by point count methodology.

Hazardous Materials

During May 2010, representatives of HzW performed a walkthrough of the subject building to identify and quantify any hazardous materials. In addition, those materials not classified under law as hazardous but should, under sound risk management practice, be noted, were also identified and quantified.

Fluorescent light ballasts suspected of containing PCB oils were identified and subsequently documented. These oils were not tested; therefore, they were assumed to contain PCBs. All fluorescent light ballasts that could be visually observed were quantified and documented.

Fluorescent light bulbs including high intensity discharge (HID) lamps and batteries suspected of containing regulated metals (i.e. mercury), and any additional suspect mercury-containing or heavy-metal containing equipment was also visually identified, quantified and documented throughout the subject buildings. No testing of these materials was performed; therefore, they were assumed to contain regulated metals.

FINDINGS

URS Phase II Report Review & Visual Inspection for ASTs/USTs

The URS Phase II report for the Wendell Collins building indicated that, in locations where soil and groundwater samples were collected, soil and groundwater analytical results did not exceed Ohio EPA's Voluntary Action Program (VAP) Generic Direct Contact Soil Standards for commercial/industrial land use or construction/excavation activities or the State of Ohio Bureau of Underground Storage Tank Regulations (BUSTR) Closure Action Levels for soil analytical results, or VAP Generic Unrestricted Potable Use Standards or BUSTR Closure Action Levels for groundwater analytical results.

Based on the findings of the visual inspection conducted in May 2010, HzW identified no ASTs or any evidence indicating USTs at the Wendell Collins building.

Asbestos Survey

HzW's Asbestos Bulk Sampling Information form which documents the bulk sampling locations, each sample's characterization (homogeneous area and functional space), its AHERA category, the quantity and condition, and its asbestos content is included as **Attachment 2** for the subject building. A copy of the laboratory analytical report from IATL for the bulk samples collected at the subject building is included as **Attachment 3**.

Based on the findings of the laboratory analytical report for the subject building and HzW's visual inspection, the following asbestos-containing materials and assumed asbestos-containing materials were identified:

Diamond Wheel & Fabricating

1. Approximately 12,678 square feet of built-up roofing materials was assumed to contain asbestos.
2. Approximately 1,400 square feet of tarred roof flashing was assumed to contain asbestos.

Tracer Specialties Inc.

1. Approximately 980 square feet of floor tile mastic (associated with the brown and black specked and black and brown specked 12-inch by 12-inch floor tile) was identified as containing from 1.5 to 3.5 percent asbestos.
2. Approximately 74 square feet of cove base & mastic (4-inch black), was assumed to contain asbestos.
3. Approximately 7,440 square feet of built-up roofing materials was assumed to contain asbestos.
4. Approximately 754 square feet of tarred roof flashing was assumed to contain asbestos.

Maximum Distributing LLC

1. Approximately 150 square feet of cove base & mastic (4-inch black), was assumed to contain asbestos.
2. Approximately 5,440 square feet of built-up roofing materials was assumed to contain asbestos.
3. Approximately 600 square feet of tarred roof flashing was assumed to contain asbestos.

Stripmatic Products, Inc.

1. Approximately 3,960 square feet of built-up roofing materials was assumed to contain asbestos.
2. Approximately 536 square feet of tarred roof flashing was assumed to contain asbestos.

Hazardous Materials Survey

The findings from the hazardous materials survey for the subject building are outlined in the table, below.

PCBs Containing Equipment: 1) Fluorescent light ballasts	Heavy Metal Containing Equipment: 1) Fluorescent light lamps (mercury-containing) 2) High Intensity Discharge Lamps 3) Batteries in Emergency Lighting	Refrigerant Sources: 1) Drinking Fountain 2) Freezer	Any other Hazardous or Regulated Material: 1) Fire Extinguishers 2) Misc. Chemicals 3) Misc. Materials
1) 93	1) 137 2) 23 3) 16	1) None 2) None	1) 11

DISCUSSION

Asbestos Survey

The Occupational Safety and Health Administration's (OSHA's) Asbestos Standard for the Construction Industry (29 CFR 1926.1101) regulates all renovation and demolition work involving building materials which contain any amount of asbestos. The amount of asbestos identified in a building material would determine which applicable sections of OSHA's Asbestos Standard must be implemented. Building owners and/or contractors who perform renovation and/or demolition activities which disturb building materials identified as containing greater than one (1) percent asbestos, are required to be in compliance with all applicable sections of the Standard.

Unlike OSHA, the EPA under NESHAP regulates all renovation and demolition work involving building materials identified as containing greater than one (1) percent asbestos. Unlike OSHA, NESHAP regulates which ACMs must be removed prior to renovation and demolition activities being performed. The EPA defines three (3) classifications of building materials: regulated ACM (RACM), Category I Nonfriable ACM and Category II Nonfriable ACM. A regulated ACM is defined as 1) a friable asbestos material, 2) a Category I Nonfriable ACM that has become friable, 3) a Category I Nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or 4) a Category II Nonfriable 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 the demolition or renovation activities. A Category I Nonfriable ACM is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using Polarized Light Microscopy (PLM) analysis. A Category II nonfriable ACM is defined as any material, excluding Category I nonfriable ACMs, containing more than 1 percent asbestos as determined using PLM analysis. All RACMs are **regulated** by NESHAP as long as their quantities meet or exceed 160 square feet or 260 linear feet.

Since the most stringent regulation typically takes precedent, HzW's recommendations outlined below are presented in order of recommended compliance (OSHA, EPA, ODH regulations).

RECOMMENDATIONS

Asbestos Survey

Based on the findings of the asbestos survey and OSHA, ODH and NESHAP regulations, the following recommendations are presented for consideration:

1. Notify any outside contractor(s), prior to them working at the subject building, of the presence of any building materials identified as containing or assumed to contain asbestos.

Contractors disturbing the building materials identified or assumed to contain greater than one (1) percent would be required to conduct their activities in accordance with all applicable sections of OSHA's Asbestos Standard for the Construction Industry as well as applicable EPA NESHAP and ODH regulations.

2. If the assumed nonfriable asbestos-containing materials (flooring and roofing materials) identified in good condition, become friable as a result of the demolition activities, then these materials are required to be abated prior to the demolition activities being performed. In addition, if the substrates these asbestos-containing or assumed asbestos-containing materials are located on are to be recycled, then these asbestos-containing or assumed asbestos-containing materials would be required to be abated prior to recycling activities being performed. Hence, the Client would be required to contract with an asbestos abatement contractor licensed in the State of Ohio to abate these asbestos-containing materials.
3. If renovation and/or demolition activities are to occur at the subject building, submit the Ohio Environmental Protection Agency (OEPA), "Notification of Demolition and Renovation" form to the OEPA ten (10) days prior to renovation activities (abatement activities) which will involve the disturbance of 160 square feet or 260 linear feet of RACM and ten (10) days prior to any demolition activities. HzW has completed the OEPA Notification of Demolition and Renovation form for the subject building and has included this form in **Attachment 4**.
4. If renovation activities are to occur at the subject building, submit the ODH "Prior Notification of Asbestos Hazard Abatement Project" form to the ODH ten (10) days prior to any asbestos hazard abatement activity being performed. ODH defines an asbestos hazard abatement activity as any activity involving the removal, renovation, enclosure, repair or encapsulation of reasonably related friable ACMs in an amount greater than fifty (50) linear feet or fifty (50) square feet.
5. If applicable, and as indicated in the OEPA "Notification of Demolition and Renovation" form, Section XVII, ensure that an individual trained in the provisions of NESHAP is on-site during the demolition activities. This individual would need to be certified by the ODH as an Asbestos Hazard Evaluation Specialist.
6. Prior to demolition of the subject building, notify the demolition contractor of the asbestos-containing and assumed asbestos-containing materials that are to remain in the subject building during the demolition activities. The demolition contractor is required to conduct the demolition activities in accordance with all applicable sections of OSHA's Asbestos Standard as well as applicable EPA NESHAP and ODH regulations. All demolition work must be performed using wet methods.

Hazardous Materials Survey

Based on the findings of the hazardous materials survey, the recommendations outlined below are presented for consideration:

1. All PCB-containing light ballasts shall be handled and disposed of in accordance with the Toxic Substance Control Act (TSCA) regulations.
2. All mercury containing fluorescent light bulbs, thermostats and heavy metal/mercury-containing equipment shall be handled, characterized and disposed of or recycled in accordance with Ohio's hazardous waste regulations outlined in OAC 3745-51 and universal waste rules outlined in OAC 3745-273.

Mr. Mark Carpenter
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3. All batteries should be handled and disposed of or recycled in accordance with OAC 3745-273.
4. All fire extinguishers should be handled in accordance with OSHA's Liquefied Petroleum Gas Standard (29 CFR 1926.153).

Cost Estimate

The cost to remove the hazardous materials identified at the subject building, assuming that the asbestos-containing materials will remain in tact and are not required to be abated, is estimated to be less than \$5,000.00.

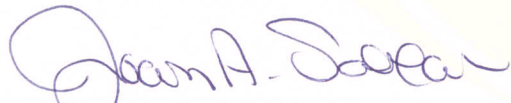
HZW appreciates the opportunity you have given us to provide professional consulting services on this project. Should you have any questions regarding the information presented above, please do not hesitate to contact us.

Sincerely,

HZW ENVIRONMENTAL CONSULTANTS, LLC



Matthew P. Fergus
Field Technician



Joan A. Sablar
Senior Industrial Hygienist

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Attachments

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ATTACHMENT 1

PHOTOGRAPIC LOG





Photograph 01

Aerial View of The Wendell Collins Building
2177 West 15th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 02

View Looking South at the East Side of The Wendell Collins Building
2177 West 15th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 03

View Looking Southeast at the Northeast Truck Dock of The Wendell Collins Building
2177 West 15th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 04

View Looking Southeast at the Southwest Side of The Wendell Collins Building
2177 West 15th Street, Cleveland, Ohio (CCG1 Design PID 77332)



ATTACHMENT 2

ASBESTOS BULK SAMPLING INFORMATION FORM



ODOT District 12
Asbestos Survey – The Wendell Collins Building, 2177 West 15th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-12

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/N/F	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS
01	Diamond Wheel & Fabricating	Drywall System	Office Area										ND
02	"	Drywall System	Office Area										ND
03	"	Drywall System	Office Area										ND
04	"	Drywall System	Office Area										ND
05	"	Drywall System	Office Area										ND
	"	Roof Decking	Roof			X	12,678 sq.ft.						Assumed
	"	Roof Flashing	Roof			X	1,400 sq.ft.						Assumed
06	Tracer Specialties	Textured Drywall Ceiling	Office & Bathroom										ND
07	"	Textured Drywall Ceiling	Office & Bathroom										ND
08	"	Textured Drywall Ceiling	Office & Bathroom										ND
09	"	Drywall System	Office & Bathroom										ND
10	"	Drywall System	Office & Bathroom										ND
11	"	Drywall System	Office & Bathroom										ND
12	"	Drywall System	Office & Bathroom										ND
13	"	Drywall System	Office & Bathroom										ND
15	"	Floor Tile – 12-inch by 12-inch, Brown & Black Specks Mastic	Office & Bathroom			X	980 sq.ft.						ND
16	"	Floor Tile – 12-inch by 12-inch, Brown & Black Specks Mastic	Office & Bathroom			X	"						3.5
													ND
													3.3

ODOT District 12
Asbestos Survey – The Wendell Collins Building, 2177 West 15th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-12

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS
17	Tracer Specialties Inc.	Floor Tile – 12-inch by 12-inch, Black & Brown Specks Mastic	Office & Bathroom			X	Refer to 15						ND
18	“	Floor Tile – 12-inch by 12-inch, Black & Brown Specks Mastic	Office & Bathroom			X	“						1.5
	“	Cove Base – 4-inch Black Mastic	Office & Bathroom			X	74 sq.ft.						2.9
	“	Roof Decking	Roof			X	7,440 sq.ft.						Assumed
	“	Roof Flashing	Roof			X	754 sq.ft.						Assumed
19	Maximum Distributing LLC	Ceiling Tile – Pin Holes and Small Indents	Bathrooms & Warehouse Offices										ND
20	“	Ceiling Tile – Pin Holes and Small Indents	Bathrooms & Warehouse Offices										ND
21	“	Ceiling Tile – Pin Holes and Small Indents	Bathrooms & Warehouse Offices										ND
22	“	Textured Drywall	Offices, Bathrooms, Hot Water Room, Warehouse & Offices										ND
23	“	Textured Drywall	Offices, Bathrooms, Hot Water Room, Warehouse & Offices										ND
24	“	Textured Drywall	Offices, Bathrooms, Hot Water Room, Warehouse & Offices										ND
25	“	Textured Drywall	Offices, Bathrooms, Hot Water Room, Warehouse & Offices										ND
26	“	Textured Drywall	Offices, Bathrooms, Hot Water Room, Warehouse & Offices										ND

ODOT District 12
Asbestos Survey – The Wendell Collins Building, 2177 West 15th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-12

Asbestos Bulk Sampling Information Form

ID#	IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY				QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT	
	LOCATION		HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NP	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS		
27	Maximum Distributing LLC		Textured Drywall	Offices, Bathrooms, Hot Water Room, Warehouse & Offices												ND
28	"		Textured Drywall	Offices, Bathrooms, Hot Water Room, Warehouse & Offices												ND
29	"		Texture on Block	Offices												ND
30	"		Texture on Block	Offices												ND
31	"		Texture on Block	Offices												ND
32	"		Texture on Block	Offices												ND
33	"		Texture on Block	Offices												ND
34	"		Drywall System	Offices												ND
35	"		Drywall System	Offices												ND
36	"		Drywall System	Offices												ND
37	"		Drywall System	Offices												ND
38	"		Drywall System	Offices												ND
39	"		Floor Tile – 12-inch by 12-inch, Black Mastic	Bathrooms												MD
40	"		Floor Tile – 12-inch by 12-inch, Black Mastic	Bathrooms												MD
41	"		Floor Tile – 12-inch by 12-inch, White Mastic	Bathrooms												ND
42	"		Floor Tile – 12-inch by 12-inch, White Mastic	Bathrooms												ND

ODOT District 12
Asbestos Survey – The Wendell Collins Building, 2177 West 15th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-12

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION			AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	
43	Maximum Distributing LLC	Carpet Mastic	Offices										ND	
44	"	Carpet Mastic	Offices										ND	
	"	Cove Base – 4-inch Black Mastic	Offices			X	150 sq.ft.						Assumed	
	"	Roof Decking	Roof			X	5,400 sq.ft.						Assumed	
	"	Roof Flashing	Roof			X	600 sq.ft.						Assumed	
45	Stripmatic Products, Inc.	Drywall	Storage Area										ND	
46	"	Drywall	Storage Area										ND	
47	"	Drywall	Storage Area										ND	
48	"	Drywall	Storage Area										ND	
49	"	Drywall	Storage Area										ND	
50	"	Drywall	Storage Area										ND	
51	"	Drywall	Storage Area										ND	
	"	Roof Decking	Roof			X	3,960 sq.ft.						Assumed	
	"	Roof Flashing	Roof			X	536 sq.ft.						Assumed	

ATTACHMENT 3

LABORATORY ANALYTICAL REPORT FOR BULK SAMPLES COLLECTED



CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959102 **Description / Location:** White/Tan Sheetrock
Client No.: 01

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80
		Trace	Fibrous Glass	

Lab No.: 3959102 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 01

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959103 **Description / Location:** Grey/Tan Sheetrock
Client No.: 02

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80
		Trace	Fibrous Glass	

Lab No.: 3959103 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 02

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Approved By:

Date: 5/19/2010

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959104 Description / Location: White/Tan Sheetrock
Client No.: 03

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

Lab No.: 3959104 Description / Location: White Joint Compound Layer No.: 2
Client No.: 03

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959105 Description / Location: White/Tan Sheetrock
Client No.: 04

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

Lab No.: 3959105 Description / Location: White Joint Compound Layer No.: 2
Client No.: 04

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959106 **Description / Location:** White/Tan Sheetrock
Client No.: 05

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

Lab No.: 3959106 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 05

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959107 **Description / Location:** White Texture
Client No.: 06

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959107 **Description / Location:** Off-White/Tan Sheetrock **Layer No.:** 2
Client No.: 06

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Cellulose	85

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959108 Description / Location: White Texture
Client No.: 07

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959108 Description / Location: White/Tan Sheetrock Layer No.: 2
Client No.: 07

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

Lab No.: 3959109 Description / Location: White Texture
Client No.: 08

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959109 Description / Location: White/Tan Sheetrock Layer No.: 2
Client No.: 08

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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6105 Heisley Rd.
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Report Date: 5/19/2010
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Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959110 Description / Location: Grey/Tan Sheetrock
Client No.: 09

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 3959110 Description / Location: White Joint Compound Layer No.: 2
Client No.: 09

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959111 Description / Location: Grey/Tan Sheetrock
Client No.: 10

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 3959111 Description / Location: White Joint Compound Layer No.: 2
Client No.: 10

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959112 Description / Location: Grey/Tan Sheetrock
Client No.: 11

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 3959112 Description / Location: White Joint Compound Layer No.: 2
Client No.: 11

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959113 Description / Location: Grey/Tan Sheetrock
Client No.: 12

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 3959113 Description / Location: White Joint Compound Layer No.: 2
Client No.: 12

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959114 Description / Location: Grey/Tan Sheetrock
Client No.: 13

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 3959114 Description / Location: White Joint Compound Layer No.: 2
Client No.: 13

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959115 Description / Location: Black/Brown Floor Tile
Client No.: 15

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959115 Description / Location: Black Mastic Layer No.: 2
Client No.: 15

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 3.5	Chrysotile	None Detected	None Detected	PC 96.5

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959116 **Description / Location:** Black/Brown Floor Tile
Client No.: 16

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959116 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 16

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 3.3	Chrysotile	None Detected	None Detected	PC 96.7

Lab No.: 3959117 **Description / Location:** Black Floor Tile
Client No.: 17

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959117 **Description / Location:** Black/Yellow Mastic **Layer No.:** 2
Client No.: 17

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959118 Description / Location: Black Floor Tile
Client No.: 18

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959118 Description / Location: Black/Yellow Mastic Layer No.: 2
Client No.: 18

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2,9	Chrysotile	None Detected	None Detected	PC 97.1

Lab No.: 3959119 Description / Location: White/Tan Ceiling Tile
Client No.: 19

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

Lab No.: 3959120 Description / Location: White/Tan Ceiling Tile
Client No.: 20

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959121 **Description / Location:** White/Tan Ceiling Tile
Client No.: 21

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

Lab No.: 3959122 **Description / Location:** White Texture
Client No.: 22

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959122 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 22

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
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Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959123 **Description / Location:** White Texture
Client No.: 23

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959123 **Description / Location:** Grey/Tan Sheetrock **Layer No.:** 2
Client No.: 23

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

Lab No.: 3959124 **Description / Location:** White Texture
Client No.: 24

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959124 **Description / Location:** Grey/Tan Sheetrock **Layer No.:** 2
Client No.: 24

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	12	Cellulose	85
		3	Fibrous Glass	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959125 Description / Location: White Texture
Client No.: 25

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959125 Description / Location: Off-White/Tan Sheetrock Layer No.: 2
Client No.: 25

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	12	Cellulose	85
		3	Fibrous Glass	

Lab No.: 3959126 Description / Location: White Texture
Client No.: 26

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959126 Description / Location: Off-White/Tan Sheetrock Layer No.: 2
Client No.: 26

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	12	Cellulose	85
		3	Fibrous Glass	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959127 Description / Location: White Texture
Client No.: 27

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959127 Description / Location: Off-White/Tan Sheetrock Layer No.: 2
Client No.: 27

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85
		Trace	Fibrous Glass	

Lab No.: 3959128 Description / Location: Off-White/Tan Sheetrock
Client No.: 28

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	88
		2	Fibrous Glass	

Lab No.: 3959128 Description / Location: White Texture Layer No.: 2
Client No.: 28

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959129 **Description / Location:** White Texturc
Client No.: 29

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959130 **Description / Location:** White Texturc
Client No.: 30

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959131 **Description / Location:** White Texturc
Client No.: 31

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959132 **Description / Location:** White Texturc
Client No.: 32

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959133 **Description / Location:** White Texture
Client No.: 33

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959134 **Description / Location:** White/Tan Sheetrock
Client No.: 34

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	25	Cellulose	75
		Trace	Fibrous Glass	

Lab No.: 3959134 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 34

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959135 **Description / Location:** White/Tan Sheetrock
Client No.: 35

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80
		Trace	Fibrous Glass	

Lab No.: 3959135 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 35

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959136 **Description / Location:** White/Tan Sheetrock
Client No.: 36

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80
		Trace	Fibrous Glass	

Lab No.: 3959136 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 36

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959137 **Description / Location:** Off-White Sheetrock
Client No.: 37

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Cellulose	98
		2	Fibrous Glass	

Lab No.: 3959137 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 37

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959138 **Description / Location:** Off-White Sheetrock
Client No.: 38

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Cellulose	100
		Trace	Fibrous Glass	

Lab No.: 3959138 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 38

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959139 **Description / Location:** Black Floor Tile
Client No.: 39

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959139 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 39

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959140 **Description / Location:** Black Floor Tile
Client No.: 40

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959140 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 40

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959141 Description / Location: Off-White Floor Tile
Client No.: 41

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959141 Description / Location: Yellow Mastic Layer No.: 2
Client No.: 41

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959142 Description / Location: Off-White Floor Tile
Client No.: 42

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959142 Description / Location: Yellow Mastic Layer No.: 2
Client No.: 42

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959143 Description / Location: Yellow Mastic
Client No.: 43

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959144 Description / Location: Yellow Mastic
Client No.: 44

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3959145 Description / Location: White/Tan Sheetrock
Client No.: 45

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20 Trace	Cellulose Fibrous Glass	80

Lab No.: 3959146 Description / Location: White/Tan Sheetrock
Client No.: 46

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15 Trace	Cellulose Fibrous Glass	85

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: BPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959147 **Description / Location:** White/Tan Sheetrock
Client No.: 47

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	12	Cellulose	85
		3	Fibrous Glass	

Lab No.: 3959148 **Description / Location:** White/Tan Sheetrock
Client No.: 48

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80
		Trace	Fibrous Glass	

Lab No.: 3959149 **Description / Location:** White Sheetrock
Client No.: 49

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Cellulose	95
		5	Fibrous Glass	

Lab No.: 3959150 **Description / Location:** White/Tan Sheetrock
Client No.: 50

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	25	Cellulose	75
		Trace	Fibrous Glass	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants
6105 Heisley Rd.
Mentor OH 44060

Report Date: 5/19/2010
Project: ODOT (Wendell Collins Bldg)
Project No.: H1002-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959151 **Description / Location:** White/Tan Sheetrock
Client No.: 51

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	25	Cellulose	75
		Trace	Fibrous Glass	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Solebello

Date: 5/19/2010



Chain of Custody / Sample Log Bulk Asbestos

9000 Commerce Parkway
Suite B
Mt. Laurel, NJ 08054
Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Client: HZW Environmental Consultants, LLC
6105 Heisley Road
Mentor, Ohio 44060

Project Name: DDOT (Wendell Collins Blvd)
Project No.: #10002-12

Office Phone: 440-357-1260
Cell Phone: _____
FAX / Email 1: 440-357-1510

Contact 1: Joan Sablar
Contact 2: _____
FAX / Email 2: JSablar@hzwenv.com

Special Instructions: _____ PO# 5318-10

Matrix:

Air Water
 Soil Paint
 Bulk Surface Dust / Wipe
 Other _____

Analysis Method:

- PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116
- PLM : Point Counting
 - PC : via ELAP 198.1
 - PC : 400 Points
 - PC : 800 Points *
 - PC : other _____ Points *
- PLM : Gravimetric Reduction
 - PLM : NOB via 198.6
 - PLM : Friable via EPA 600 2.3
 - If <1% by PLM, to TEM via 198.4 *
 - If <1% by PLM, Hold for Instructions
- PLM : Analyze Until Positive (Positive Stop)
 - AUP : by Homogenous Area as Noted
 - AUP : by Material Type as Noted
- PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)
 - Soil or Vermiculite Analysis *, **
- PLM: Instructions for Multi-Layered Samples
 - Analyze and Report All Separable Layers per EPA 600
 - Report Composite for Drywall Systems per NESHAP
 - Report All Layers and Composite Where Applicable
 - Only Analyze and Report Specifically Noted Layer

* Additional charge and turnaround may be required. ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.

Turnaround Time: Preliminary Results Requested By _____ Verbals FAX Email

date / time

10 Day
 5 Day
 3 Day
 2 Day
 1 Day*
 12 Hour**
 6 Hour**
 RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers:

Client #(s): 01 - 51 iATL#(s): _____ Total: _____

(start) (end) (start) (end)

Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

Chain of Custody:

Relinquished (Name / Organization): <u>Matthew J. P.</u>	Date: <u>5/13/10</u>	Time: <u>3:00</u>
Received (Name / iATL): _____	Date: _____	Time: _____
Sample Login (Name / iATL): <u>080517/10</u>	Date: _____	Time: _____
Sample Prep (Name / iATL): _____	Date: _____	Time: _____
Analysis (Name(s) / iATL): <u>LS</u>	Date: _____	Time: _____
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____
Archived / Released: _____	Date: _____	Time: _____
QA/QC InterLAB Use: _____	Date: _____	Time: _____

RECEIVED

MAY 1 4 2010

By: _____



Chain of Custody / Sample Log

Bulk Asbestos

9000 Commerce Parkway
 Suite 8
 Mt. Laurel, NJ 08054
 Toll Free: 877 428-4285
 info@iatl.com
 www.iatl.com

Client: HZW Environmental Consultants, LLC
6105 Heisley Road Mentor, Oh 44060

Project Name: ODOT (Wendell Collins Bldg)
Project No.: H16202-10

Sampling Date: _____

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
01	3959102	Drywall system	
02	3959103		
03	3959104		
04	3959105		
05	3959106		
06	3959107	Textured Drywall	
07	3959108		
08	3959109		
09	3959110	Drywall system	
10	3959111		
11	3959112		
12	3959113		
13	3959114		
14			
15	3959115	FF + MORTAR	
16	3959116		
17	3959117	FF + MORTAR	
18	3959118		
19	3959119		
20	3959120	CT	
21	3959121		
22	3959122	Textured Drywall	
23	3959123		
24	3959124		
25	3959125		
26	3959126		
27	3959127		
28	3959128		

L55/19/10



Chain of Custody / Sample Log

Bulk Asbestos

5000 Commerce Parkway
 Suite B
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 Toll Free: 877 428-4285
info@iatl.com
www.iatl.com

Client: HZW Environmental Consultants, LLC
6105 Heisley Road Mentor, Oh 44060

Project Name: ODOT (Wendell Collins Blvd)
Project No.: H11000-12

Sampling Date: _____

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
29	3959129	Texture material	
30	3959130		
31	3959131		
32	3959132		
33	3959133		
34	3959134	Drywall systems	
35	3959135		
36	3959136		
37	3959137		
38	3959138		
39	3959139	T&T + MATRIL	
40	3959140		
41	3959141	T&T + MATRIL	
42	3959142		
43	3959143	MATRIL	
44	3959144		
45	3959145	Drywall	
46	3959146		
47	3959147		
48	3959148		
49	3959149		
50	3959150		
51	3959151		
		285/19/10	