

CUY-90-14.90

PID 77332/85531

APPENDIX EC-26

Regulated Materials Investigation for PPN 004-25-012, 122-19-008 & 012, and 122-20-012 (Contract Document)

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

Innerbelt Bridge Construction Contract Group 1 (CCG1)

Revision Date: June 21, 2010

FINDINGS FROM A REGULATED MATERIALS INVESTIGATION

Stripmatic Products, Inc. & TIG Welding (Parcel 700)
River Dock Inc. (Parcel 619) and
Allied Corporation, Inc. (Parcel 621)
Cleveland, Cuyahoga County, Ohio
CUY – Cleveland Innerbelt [PID 77332]

June 21, 2010

Prepared for:

Ohio Department of Transportation
District 12
5500 Transportation Boulevard
Garfield Heights, OH 44125

Prepared by:



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June 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 Stripmatic

Products, Inc., TIG Welding, River Dock and Allied Buildings Located in Cleveland,

Cuyahoga County, Ohio (H10002-14)

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 four (4) properties located in Cleveland, Cuyahoga County, Ohio. The properties and associated buildings surveyed as part of this Regulated Materials Investigation consisted of the following:

• <u>Stripmatic Products, Inc.</u> located at 1501 Abbey Avenue. The building consists of the original shop which was constructed in 1940; a small shop addition added in 1963; a two- (2-) story office addition added in 1998 and a warehouse addition added in 1999. A detached one- (1-) story storage/garage building is located at the rear of the property.

• <u>TIG Welding</u> located at 2150 West 15th Street. The main building consists of a one- (1-) and two-

(2-) story section with a detached building located adjacent to the main building.

• <u>River Dock, Inc.</u> located on Harrison Street. The property consists of three (3) buildings: a scale house, electrical house and a utility building.

• <u>Allied Corporation, Inc.</u> located on Harrison Street. The building consists of a one- (1-) story building.

The four (4) properties are herein collectively referred to as the "subject properties". Individually, the properties are herein referred to as "Stripmatic Products, Inc.", "TIG Welding", "River Dock, Inc.", and "Allied Corporation Inc.", respectively. The Regulated Materials Investigation consisted of conducting an asbestos survey to identify building materials that contain asbestos and conducting a hazardous materials survey to identify building materials that contain regulated hazardous materials prior to any of the buildings being manually demolished. In addition, the Regulated Materials Investigation consisted of documenting the presence of any aboveground and underground storage tanks not previously identified at the subject properties prior to any of their associated buildings being manually demolished.

METHODS OF INVESTIGATION

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

As part of the Regulated Materials Investigation, HzW requested from ODOT a copy of any Phase II Environmental Site Assessments (ESAs) conducted at the subject properties for review. It was indicated to HzW that only the TIG Welding property had a Phase II ESA completed, which was performed by URS. In addition to reviewing the Phase II ESA, HzW also performed a visual inspection at the subject properties to identify any aboveground and/or underground storage tanks (ASTs/USTs). For the TIG Welding property, only those ASTs or USTs not previously identified in the Phase II ESA were documented. Any such findings were documented by HzW as part of our Regulated Materials Investigation.

Asbestos Survey

During June 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).

Any 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 June 2010, representatives of HzW performed a walkthrough of the subject properties 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 equipment was also visually identified, quantified and documented throughout the subject properties. No testing of these materials was performed; therefore, they were assumed to contain regulated metals.

Refrigerants suspected of containing Freon (i.e., air conditioners, refrigerators, drinking fountains, etc.) were visually identified, quantified and documented throughout the subject building.

Containers of miscellaneous chemicals (such as paints, oils, etc.) identified throughout the properties were quantified and documented.

FINDINGS

A photographic log depicting various views of the subject properties has been compiled by HzW and is included as **Attachment 1**.

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

The URS Phase II ESA indicated that "The results of [the geophysical] survey do not support the presence of a steel UST" at the TIG Welding property. URS collected soil samples from the TIG Welding property as part of Phase II ESA activities. In addition, URS attempted to collect groundwater samples; however, groundwater was not encountered in the monitoring well installed as part of Phase II ESA activities. According to the URS Phase II ESA, in locations where soil samples were collected, soil 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.

Based on the findings of the visual inspection conducted in June 2010, HzW identified no ASTs or any evidence indicative of USTs at the subject properties.

Asbestos Survey

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

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

Stripmatic Products, Inc.

Two-Story Office Building, Shop Conference & Training Room

1. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 3,200 square feet of roof decking and 472 square feet of tarred roof flashing were identified and considered to be in good condition.

Maintenance Department

- 1. Approximately 160 square feet of drywall system located in the ceiling of the second floor file storage room was identified as containing from 2.3 to 3.6 percent asbestos in the joint compound and no asbestos in the drywall. The drywall system was considered to be in good condition.
- 2. Approximately 160 square feet of 9-inch by 9-inch tan with brown streaks floor tile was identified as containing from 5.5 to 6.1 percent asbestos. The associated mastic layer was identified as containing no asbestos. The floor tile was considered to be in good condition.
- 3. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 1,350 square feet of roof decking and 300 square feet of tarred roof flashing were identified and considered to be in good condition.

Small Press Area

1. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 4,560 square feet of roof decking and 632 square feet of tarred roof flashing were identified and considered to be in good condition.

Cold Roll Area

1. Built-up roof decking and tarred roof flashing associated with the roof were assumed to contain asbestos. Approximately 4,000 square feet of roof decking and 628 square feet of tarred roof flashing were identified and considered to be in good condition.

Main Press Room Area

- 1. Approximately 20 square feet (5 Windows) of window glazing was identified as containing from 1.2 to 1.4 percent asbestos. The glazing was considered to be in fair to damaged (i.e., poor) condition.
- 2. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 5,850 square feet of roof decking and 700 square feet of tarred roof flashing were identified and considered to be in good condition.

Storage Area

1. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 2,500 square feet of roof decking and 400 square feet of tarred roof flashing were identified and considered to be in good condition.

Tool Room

- 1. Approximately 20 square feet (8 Windows) of window glazing was identified as containing from a trace to 1.1 percent asbestos. The glazing was considered to be in fair to damaged (i.e., poor) condition.
- 2. Built-up roof decking and tarred roof flashing associated with the roof were assumed to contain asbestos. Approximately 2,750 square feet of roof decking and 420 square feet of tarred roof flashing were identified and considered to be in good condition.

Shipping & Receiving

1. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 6,111 square feet of roof decking and 800 square feet of tarred roof flashing were identified and considered to be in good condition.

Detached Building

- 1. Approximately 8 square feet (10 Windows) of window glazing located on the back and side windows was identified as containing from 1.2 to 1.6 percent asbestos. The glazing was considered to be in fair to damaged (i.e., poor) condition.
- 2. A transite panel located in the office was **assumed** to contain asbestos. Approximately 2 square feet of the transite panel was identified. The panel was considered to be in good condition.
- 3. White insulation paper located on a roof vent was **assumed** to contain asbestos. Approximately 10 square feet of the white insulation paper was identified. The insulation paper was considered to be in good condition.
- 4. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 2,500 square feet of roof decking and 400 square feet of tarred roof flashing were identified and considered to be in good condition.

TIG Welding

Main Building

- 1. Approximately 100 square feet of ceiling plaster on metal lathe was identified as containing from 1.2 to 1.3 percent asbestos. The ceiling plaster was considered to be in good condition.
- 2. Approximately 120 square feet of wall plaster on metal lathe was identified as containing from 1.4 to 1.6 percent asbestos. The wall plaster was considered to be in good condition.
- 3. Approximately 200 square feet of ceiling plaster on wood lathe was identified as containing from 1.5 to 1.8 percent asbestos. The ceiling plaster was considered to be in good condition.
- 4. Approximately 960 square feet of wall plaster on wood lathe and brick was identified as containing from 1.6 to 2.1 percent asbestos. The wall plaster was considered to be in good condition.
- 5. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 9,000 square feet of roof decking and 1,250 square feet of tarred roof flashing were identified and considered to be in good condition.

River Dock

1. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 240 square feet of roof decking and 204 square feet of tarred roof flashing were identified and considered to be in good condition.

Allied Corporation

1. Built-up roof decking and tarred roof flashing associated with the roof were **assumed** to contain asbestos. Approximately 480 square feet of roof decking and 184 square feet of tarred roof flashing were identified and considered to be in good condition.

It should be noted that the following building materials located at the subject properties were identified as containing less than one (1) percent asbestos:

Stripmatic Products, Inc.

• Window glazing located in the Maintenance Department and Small Press Area.

TIG Welding

- Window glazing located in the Main Building
- Roofing materials located on small detached shop building and detached storage building.

In addition, it should be noted that demolition of the ceilings and walls of the buildings located on the subject properties may reveal additional suspect asbestos-containing materials.

Hazardous Materials Survey

The findings from the hazardous materials survey for the buildings located on the subject properties are outlined in the table, below.

Property	PCBs Containing Equipment: 1) Fluorescent light ballasts 2) Transformers	Heavy Metal Containing Equipment: 1) Fluorescent light lamps (mercury-containing) 2) High Intensity Discharge Lamps 3) Thermostats (mercury-containing) 4) Batteries in Emergency Lighting/Signs	Freon Containing Equipment: 1) Drinking Fountain 2) Coolers or Refrigerators, Air Conditioners	Any other Hazardous or Regulated Material: 1) Fire Extinguishers 2) Misc. Chemicals/ Materials
Stripmatic Products, Inc.	1) 216 2) 2	1) 372 2) 82 3) 7 4) 24	1) 3 2) 5	1) 24 2) Cleaning Chemicals; compressed gas – Argon; various process chemicals; compressed gas – Nitrogen; Drums of unknown materials, hydraulic oil, Omega Draw 918 and used tires located outside building
TIG Welding	1) 59	1) 112	2) 1	
River Dock	1) 6	1) 12		
Allied Corporation	1) 10	1) 20	2) 2	1) 1

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 less than or equal to one (1) percent asbestos are only required to be in compliance with paragraphs (g)(1), (g)(2) and (g)(3) of the Standard. These paragraphs describe the required engineering and work practice controls that must be implemented when building materials containing less than one (1) percent asbestos are disturbed. A brief description of these paragraphs is included in Attachment 4. 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

Review of URS Phase II ESA & Visual Inspection for ASTs/USTs

Based on the findings of the URS Phase II ESA and visual inspection for ASTs/USTs, no ASTs were identified at the subject properties and no USTs are known to remain on-site. However, although no USTs remain on-site, plan notes should be prepared to properly manage and dispose of soils impacted with petroleum or volatile organic compounds associated with former UST locations should soils in the former UST locations be encountered during demolition and/or construction activities.

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 buildings located at the subject properties, of the presence of any building materials identified as containing or assumed to contain asbestos.
 - Contractors disturbing building materials identified as containing less than or equal to one (1) percent asbestos would be required to conduct their activities in accordance with sections (g)(1), (g)(2) and (g)(3) of the OSHA Asbestos Standard for the Construction Industry. Contractors disturbing the building materials identified as containing 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. Contract with an asbestos abatement contractor licensed in the State of Ohio to abate the asbestos-containing materials highlighted in "red" on HzW's Asbestos Bulk Sampling Information forms. If the assumed nonfriable asbestos-containing 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.
- 3. Submit the Ohio Environmental Protection Agency (OEPA), "Notification of Demolition and Renovation" form to the OEPA ten (10) days prior to renovation 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 each of the subject buildings and has included these forms in **Attachment 5**.
- 4. 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. 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 buildings located at the subject properties, notify the demolition contractor of the nonfriable ACMs and assumed asbestos-containing materials, as well as the building materials identified as containing less than 1 percent asbestos 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.
- 3. All batteries should be handled and disposed of or recycled in accordance with OAC 3745-273.
- 4. All regulated refrigerants (i.e. Freon) should be handled, characterized and disposed of or recycled in accordance with 40 CFR 82.
- 5. All fire extinguishers should be handled in accordance with OSHA's Liquefied Petroleum Gas Standard (29 CFR 1926.153).
- 6. Any other hazardous or regulated material identified in the "Any other Hazardous or Regulated Materials" column should be handled and disposed of properly prior to demolition activities being performed.

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

JAS:jas\H10002-14

Attachments (5)

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ATTACHMENT 1

PHOTOGRAPHIC LOG



Photograph 01

Aerial View of the Stripmatic Products Inc. Property located at 1501 Abbey Road, Cleveland, Ohio



Photograph 02

View Looking West at the East Side of the Stripmatic Products Inc. Building located at 1501 Abbey Road, Cleveland, Ohio





Photograph 03

View Looking South at the East Side of the Stripmatic Products Inc. Building located at 1501 Abbey Road, Cleveland, Ohio



Photograph 04

View Looking South at the North Side of the Stripmatic Products Inc. Building located at 1501 Abbey Road, Cleveland, Ohio





Photograph 05

View Looking West at the East Side of the Stripmatic Products Inc. Building located at 1501 Abbey Road, Cleveland, Ohio



Photograph 06

View Looking West at the Detached Building Associated with the Stripmatic Products Inc. Property located at 1501 Abbey Road, Cleveland, Ohio





Photograph 07

Aerial View of the TIG Welding Property Located at 2150 West 15th Street, Cleveland, Ohio



Photograph 08

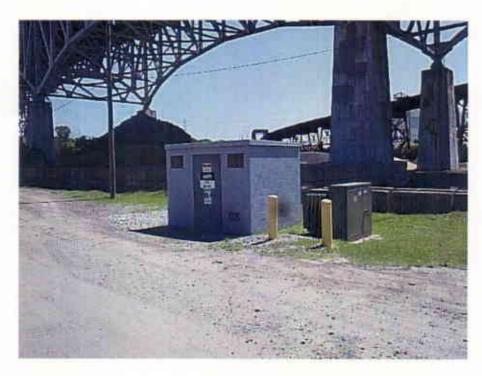
View Looking South at the North and East Sides of the TIG Welding Building Located at 2150 West 15th Street, Cleveland, Ohio





Photograph 09

Aerial View of the River Dock, Inc. Property Located on Harrison Street, Cleveland, Ohio



Photograph 10

View of the Electrical Building Associated with the River Dock, Inc. Property Located on Harrison Street, Cleveland, Ohio





Photograph 11

View of the Scale House Building Associated with the River Dock, Inc. Property Located on Harrison Street, Cleveland, Ohio



Photograph 12

View of a Storage Building Associated with the River Dock, Inc. Property Located on Harrison Street, Cleveland, Ohio





Photograph 13

View Looking West at the Allied Corporation, Inc. Building Located on Harrison Street, Cleveland, Ohio



ATTACHMENT 2 ASBESTOS BULK SAMPLING INFORMATION FORMS

ODOT District 12

Asbestos Survey - Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14

RESULT	W % ASBESTOS	QN .	2	QN !	O O O	ON ON ON	ON ON ON	ON ON ON ON	ON ON	9 Q	Q Q	ND ND (jc)	2 2 —
POTENTIAL FOR	MOD LOW												
	HIGH												
NOITION	POOR												
QUANTITY & CONDITION	GOOD FAIR												
EGORY	MISC. C												
AHERA CATEGORY	TSI												
A	SUR.												
CACTERIZATION	FUNCTIONAL SPACE	1st & 2nd Floor Office Area	1st & 2nd Floor Office Area	1 st & 2 nd Floor Office Area	1 st & 2 nd Floor Office Area	1st & 2nd Floor Office Area	1 st Floor Office Area	1st Floor Office Area					
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Ceiling Tile – 2-foot by 4-foot, Pin Holes with Deep Indents	Celling Tile – 2-foot by 4-foot, Pin Holes with Deep Indents	Ceiling Tile – 2-foot by 4-foot, Pin Holes with Deep Indents	Drywall System	Drywall System	Drywall System	Drywall System	Drywall System	Drywall System	Drywall System	Cove Base- 4-inch Red Mastic	Cove Base- 4-inch Red
IDENTIFICATION	LOCATION	Two Story Office Bldg., Shop Conference & Training Room	99	a.	1	ă.	· in	3		:	25	4	*
Q	#0	10	02	03	90	05	90	07	80	60	10	Ξ	12

Asbestos Survey – Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC – Project No. H10002-14

RESULT	% ASBESTOS	ND ON	QN QN	Q Q	Q Q	QN.	Q Z	Q Q;	Q Q	Q !	Q.	9 9	Q Q
FOR	TOW												
POTENTIAL FOR DISTURBANCE	MOD.												
<u>.</u>	HIGH												
NDITION	POOR												
QUANTITY & CONDITION	FAIR												
QUAN	GOOD												
GORY	MISC. F/NF												
AHERA CATEGORY	ISI												
AH	SUR												
ACTERIZATION	FUNCTIONAL SPACE	1 ⁸¹ & 2 nd Floor Office Area	1st & 2nd Floor Office Arca	1st & 2nd Floor Office Area	1st & 2nd Floor Office Area	1 st & 2 nd Floor Office Area	1 st & 2 nd Floor Office Area	1st Floor Office Area	1st Floor Office Area	1st & 2nd Floor Office Area	1st & 2nd Floor Office Area	1st Floor Office Area	1™ Floor Office Area
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Floor Tile – 12-inch by 12-inch, Gray with Gray & White Streaks	Floor Tile – 12-inch by 12-inch, Gray with Gray & White Streaks Floor Tile Mastic	Cove Base – 4-inch Gray Mastic	Cove Base – 4-inch Gray Mastic	Carpet Mastic	Carpet Mastic	Stair Tread Covering – Burgundy Mastic	Stair Tread Covering – Burgundy Mastic	Sink Bottom Coating - Gray	Sink Bottom Coating - Gray	Floor Tile – 12-inch by 12-inch, Red with White Specks Mastic	Floor Tile – 12-inch by 12-inch, Red with White Specks Mastic
IDENTIFICATION	LOCATION	Two Story Office Bldg., Shop Conference & Training Room		3	*	=	*	1	3		:	s	4
O D	查	13	14	15	91	17	81	61	20	21	22	23	24

ODOT District 12

Asbestos Survey - Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14

RESULT	% ASBESTOS	ON ON	g g	Q	QN	<u> </u>	ND ND ND(ic)	Q Q	Q Q	g g	<u>8</u> 8	QN	Q
ANCE	том												
POTENTIAL FOR DISTURBANCE	HIGH MOD.												
NOLLION	POOR H							_					
QUANTITY & CONDITION	D FAIR												
	MISC, GOOD F/NF												
AHERA CATEGORY	TSI MI												
AHER	SUR.												
ACTERIZATION	FUNCTIONAL SPACE	1st Floor Office Area	1st Floor Office Area	2nd Floor Office Area	2nd Floor Office Area	2 nd Floor Office Area	2 nd Floor Office Area	2 nd Floor Office Area	2nd Floor Office Area	2 nd Floor Office Area	2 nd Floor Office Area	2 nd Floor Office Area	2nd Floor Office Area
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Floor Tile – 12-inch by 12-inch, Green with Green and White Specks Mustic	Floor Tile – 12-inch by 12-inch, Green with Green and White Specks Mastic	Stair Tread Covering – Gray	Stair Tread Covering – Gray	Cove Base – 4-inch Blue Mastic	Cove Basc – 4-inch Blue Mastic	Cove Base – 4-inch Burgundy Mastic	Cove Base – 4-inch Burgundy Mastic	Cove Base – 6-inch Burgundy Mastic	Cove Base – 6-inch Burgundy Mastic	Sink Bottom Coating - Black	Sink Bottom Coating - Black
IDENTIFICATION	LOCATION	Two Story Office Bldg., Shop Conference & Training Room			4	4	3	3	*	4		***	31
	豊	25	26	27	28	59	30	31	32	33	34	35	36

ODOT District 12

Asbestos Survey - Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14

l8 I,	MATERIAL CHARACTERIZATION
FUNCTIONAL SPACE	FUNCTIONAL SPACE
Roof	Roof
Roof	Roof
1st Floor	1st Floor
1st Floor	1st Floor
1st Floor	1st Floor
2nd Floor, File Stora Room	2 nd Floor, File Store Room
2 nd Floor, File Stora Room	2 nd Floor, File Stor Room
2 nd Floor, File Stor Room	2 nd Floor, File Stora Room
2 nd Floor, File Stori Room	2nd Floor, File Stora Room
2nd Floor, File Storage Room	2nd Floor, File Sto Room
Roof	Roof
Roof	Roof
Plant Area	Plant Area
Plant Area	Plant Area
Plant Arca	

ODOT District 12

Asbestos Survey - Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14

RESULT	% ASBESTOS	0.5	0.25	0.75	Assumed	Assumed	QN	QN	Q	QN	QN	QN	QN	Assumed	Assumed
L FOR	TOW														
POTENTIAL FOR DISTURBANCE	MOD.		L												
d	HIGH														
NOITION	POOR														
QUANTITY & CONDITION	FAIR														
QUAN	GOOD				4,560 sq.ft.	632 sq.ff.								4,000 sq.ft.	628 sq.ft.
GORY	MISC. F/NF				×	×								×	×
AHERA CATEGORY	TSI														
AH	SUR.														
ACTERIZATION	FUNCTIONAL SPACE	Plant Area	Plant Area	Plant Area	Roof	Roof	Underside of Roof	Underside of Roof	Underside of Roof	Underside of Roof	Underside of Roof	Underside of Roof	Underside of Roof	Roof	Roof
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Window Glazing	Window Glazing	Window Glazing	Built-up Roof Decking	Tarred Roof Flashing	Roof Decking Board – White	Roof Decking Board White	Roof Decking Board – White	Roof Decking Board –	Built-up Roof Decking	Tarred Roof Flashing			
IDENTIFICATION	LOCATION	Small Press Area	Ŧ,	1	3	3	Cold Roll Area	3	35	8 1		漢	#1	(#.)	3
ID	1D#	48	48	50			51	52	53	54	55	56	57		

Asbestos Survey - Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14 ODOT District 12

IE.	ARACTERIZATION	AHER	'EGORY	QUAN	QUANTITY & CONDITION	NDITION		POTENTIAL FOR DISTURBANCE	CE 30	RESULT
HOMOGENEOUS AREA FUNC	FUNCTIONAL SPACE SUR.	R. TSI	MISC F/NF	GOOD	FAIR	POOR	нісн	MOD	ГОМ	% ASBESTOS
Drywall System Men's & Restroom	Men's & Women's Restroom									ON ON
Drywall System Men's & Restroom	Men's & Women's Restroom									Q Q
Drywall System Mcn's & Restroom	Mcn's & Women's Restroom									Q N Q N
Ceiling Tile – 2-foot by Men's & 4-foot, Pin Holes and Restroom Large Indents	Men's & Women's Restroom									QN
Cciling Tile – 2-foot by Men's & 4-foot, Pin Holes and Large Indents	Men's & Women's Restroom									QN
Ceiling Tile – 2-foot by Men's & A-foot, Pin Holes and Large Indents	Men's & Women's Restroom									QN
Cove Base – 4-inch Men's & Gray Restroom	Men's & Women's Restroom									ON ON
Cove Base – 4-inch Men's & Restroom Mastic	Men's & Women's Restroom									Q Q
Window Glazing Plant Area	a		×		20 sa.ft	^				4.1
Window Glazing Plant Area	r.		×		1	^				1.2
Window Glazing Plant Area	ea		×		ă.	↑				1.3
Built-up Roof Decking Roof			×	5,850 sq.ft.						Assumed
Таттеd Roof Flashing Roof			×	700						Assumed

Asbestos Survey - Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14 ODOT District 12

RESULT	% ASBESTOS	QN	QN	QN	Assumed	Assumed	Trace	1.1	0.25	Assumed	Assumed	ND	88	QN.	QN	22	O.Z.	Q Q	ON ON
FOR	ТОМ																		
POTENTIAL FOR DISTURBANCE	MOD.																		
M L	HIGH																		
NDITION	POOR						1	↑	↑										
QUANTITY & CONDITION	FAIR						20 sq.ft		3										
QUANT	GOOD				2,500 sq.ft.	400 sq.ft				2,750 sq.ft.	420 sq.ft.								
GORY	MISC. F/NF				×	×	×	X	X	×	×								
AHERA CATEGORY	TSI																		
AHI	SUR.																		
ACTERIZATION	FUNCTIONAL SPACE	Sensor Lab	Sensor Lab	Sensor Lab	Roof	Roof	Shop Area	Shop Area	Shop Area	Roof	Roof	Main Room	Main Room	Main Room	Main Room	Main Room		Main Room	Main Room
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Ceiling Tile – 2-foot by 4-foot, Pin Holes with Long Fissures	Ceiting Tile – 2-foot by 4-foot, Pin Holes with Long Fissures	Ceiling Tile – 2-foot by 4-foot, Pin Holes with Long Fissures	Built-up Roof Decking	Tarred Roof Flashing	Window Glazing	Window Glazing	Window Glazing	Built-up Roof Decking	Tarred Roof Flashing	Drywall System	Drywall System	Drywall System	Drywall System	Drywall System		Drywall System	Drywall System
IDENTIFICATION	LOCATION	Storage Area	牌子	22	99	*	Tool Room	3	*	1	5	Shipping & Receiving Area	*	#	3	:		‡ S ‡	1
ΩI	#Q1	69	70	71			7.2	73	74			75	9/	17	78	62		02	18

Asbestos Survey – Stripmatic Products, Inc., 1501 Abbey Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC – Project No. H10002-14

RESULT	% ASBESTOS	Assumed	Assumed	9.1	1.4	1.2	0.5	0.25	0.5	Assumed	Assumed	Assumed	Assumed
OR SE	МОЛ												
POTENTIAL FOR DISTURBANCE	МОВ												
PO	HIGH												
NDITION	POOR			1	^	^							
QUANTITY & CONDITION	FAIR			8 sq ft	ı	1							
QUANT	G00D	6,111 sq. ft.	800 sq.ft.							2 sq ft	10 sq.ft	2,500 sq.ft.	400 sq.ft.
EGORY	MISC. F/NF	X	X	×	×	×				×		×	X
AHERA CATEGORY	ISI										×		
AF	SUR												
ACTERIZATION	FUNCTIONAL SPACE	Roof	Roof	Warehouse Area	Warchouse Area	Warehouse Area	Office	Office	Office	Office	Roof Vent	Roof	Roof
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Built-up Roof Decking	Tarred Roof Flashing	Window Glazing - Back	Window Glazing - Back	Window Glazing - Back	Window Glazing - Front	Window Glazing - Front	Window Glazing - Front	Transite	White Insulation Paper	Built-up Roof Decking	Tarred Roof Flashing
IDENTIFICATION	LOCATION	Shipping & Receiving Arca		Detached Building	99	3	(#)	3	75	*	39	#:	朝
QI .	# 1			82	83	84	85	98	87				

Asbestos Survey – TIG Welding, 2150 West 15th Street, Cleveland, Ohio HzW Environmental Consultants, LLC – Project No. H10002-14

DEN	IDENTIFICATION	MATERIAL CHAI	MATERIAL CHARACTERIZATION	AHE	AHERA CATEGORY	GORY	QUANTITY & CONDITION	CONDITION	<u>0</u> □	POTENTIAL FOR DISTURBANCE	~	RESULT
	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD FAIR	POOR	HIGH	MOD I	гом	% ASBESTOS
	TIG Welding	Ceiling Plaster on Metal Lathe	Main Building			X	100 sq.ft.					1.2
-	4	Ceiling Plaster on Metal Lathe	Main Building			×	t					1,3
	*	Cciling Plaster on Metal Lathe	Main Building			×	ŧi.					1.2
		Wall Plaster on Metal	Main Building			×	120 sq.ft					1.6
	:	Wall Plaster on Metal Lathe	Main Building			×						1.4
	ŧ	Wall Plaster on Metal Lathe	Main Building			×	÷					1.5
	3	Ceiling Plaster on Wood Lathe	Main Building			×	200 sq.ft.					1.8
	#	Ceiling Plaster on Wood Lathe	Main Building			×						9.1
	*	Ceiling Plaster on Wood Lathe	Main Building			×	*					1.5
	3	Wall Plaster on Wood Lathe & Brick	Main Building			×	096 8d.ft.					1.8
	*	Wall Plaster on Wood Lathe & Brick	Main Building			×	ŧ					1.6
	"	Wall Plaster on Wood Lathe & Brick	Main Building			×	ř.					2.1
_	* 6	Ceiling Tile – 1-foot by 1-foot	Main Building									QN
	23	Ceiling Tile – 1-foot by 1-foot	Main Building									ON
	93	Ceiling Tile – 1-foot by 1-foot	Main Building									QN
		Ceiling Tile – 2-foot by 4-foot	Main Building									ND
	3	Ceiling Tile – 2-foot by 4-foot	Main Building									QN
	3	Ceiling Tile – 2-foot by 4-foot	Main Building									ND

Asbestos Survey – TIG Welding, 2150 West 15th Street, Cleveland, Ohio HzW Environmental Consultants, LLC – Project No. H10002-14

RESULT	% ASBESTOS	ND ON	22	Q Q	0.3	Trace	0.3	Assumed	Assumed	Trace	Trace	Trace	Trace	QZ	S	Q.
FOR CE	ГОМ															
POTENTIAL FOR DISTURBANCE	MOD.															
PS 0	HIGH															
NDITION	POOR															
QUANTITY & CONDITION	FAIR															
QUANT	GOOD							9,000 sq.ft.	1,250 sq.ft.							
GORY	MISC. F/NF							×	×							
AHERA CATEGORY	TSI															
ΑH	SUR.															
ACTERIZATION	FUNCTIONAL SPACE	Main Building	Main Building	Main Building	Main Building	Main Building	Main Building	Main Building	Main Building	Small Detached Shop Building	Small Detached Shop Building	Detached Storage Building				
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Textured Drywall	Textured Drywall	Textured Drywall	Window Glazing	Window Glazing	Window Glazing	Built-up Roof Decking	Tarred Roof Flashing	Roofing Material	Roofing Material	Roofing Material	Roofing Material	Window Glazing	Window Glazing	Window Glazing
IDENTIFICATION	LOCATION	TIG Welding	4	#:	1	1	1	*	r	*	*	s	*	#	1	*
IDE	西	61	20	21	22	23	24			25	26	27	28	29	30	31

ODOT District 12

Asbestos Survey - River Dock, Inc., Harrison Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14

RESULT	% ASBESTOS	QN	Q Z	QX	<u>g g</u>	28	ND ON	QN	QX	ON ON	QN QN	<u>g</u> g	an an	Assumed	Assumed
FOR	LOW														
POTENTIAL FOR DISTURBANCE	MOD														
e I	HIGH														
NDITION	POOR														
QUANTITY & CONDITION	FAIR														
QUAN	GOOD													240 sq.ft.	204 sq.ft.
GORY	MISC F/NF													×	X
AHERA CATEGORY	TSI														
ΑH	SUR.														
ACTERIZATION	FUNCTIONAL SPACE	Scale House	Scale House	Scale House	Scale House	Scale House	Scale House	Scale House	Scale House	Scale House	Scale House	Scale House	Scale House	Roof	Roof
MATERIAL CHARACTERIZATION	HOMOGENEOUS AREA	Ceiling Tile – 2-foot by 4-foot, Pin Holes & Indents	Ceiling Tilc – 2-foot by 4-foot, Pin Holes & Indents	Ceiling Tile – 2-foot by 4-foot, Pin Holes & Indents	Drywall System	Drywall System	Drywall System	Floor Tile – 12-inch by 12-inch, White with Light Green Streaks	Floor Tile – 12-inch by 12-inch, White with Light Green Streaks	Cove Base – 4-inch, Black Mastic	Cove Base – 4-inch, Black Mastic	Floor Tile – 12-inch by 12-inch, White with Tan Streaks Mastic	Floor Tile – 12-inch by 12-inch, White with Tan Streaks Mastic	Built-up Roof Decking	Tarred Roof Flashing
IDENTIFICATION	LOCATION	River Dock, Inc.	4	1	3	3	*	4				#	#	#	:
IDE	#01	10	02	03	40	92	90	07	80	60	10	=	12		

ODOT District 12

Asbestos Survey - Allied Corporation, Inc., Harrison Avenue, Cleveland, Ohio HzW Environmental Consultants, LLC - Project No. H10002-14

MATERIAL CHARACTERIZATION
HOMOGENEOUS AREA FUNCTIONAL SPACE
Ceiling Tile – 2-foot by
4-foot, Pin Holes and Indents
Ceiling Tile – 2-foot by
4-100t, r III froits and Indents
Ceiling Tile – 2-foot by
4-foot, Pin Holes and Indents
Drywall System
Drywall System
Drywall System
Built-up Roof Decking Roof
Tarred Roof Flashing Roof

ATTACHMENT 3

LABORATORY ANALYTICAL REPORT FOR BULK SAMPLES COLLECTED

Stripmatic Products, Inc.

CERTIFICATE OF ANALYSIS

Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981237

Description / Location:

44060

Grey/White Ceiling Tile

Client No.: 01

% Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Delected

10

Fibrous Glass Ccllulose

70

20

Lab No.: Client No.: 02

3981238

Description / Location:

Grey/White Ceiling Tile

% Asbestos

Type

% Non-Asbestos Fibrous Material

20

Type

% Non-Fibrous Material

None Detected

None Detected

10

Fibrous Glass Cellulose

70

Lab No.;

3981239

Description / Location: Grey/White Ceiling Tile

Client No.: 03

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

10

Fibrous Glass

70

20

Cellulose

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

(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 asbestes 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: R. Shumate

Approved By:

Date:

6/10/2010

Page 1 of 38

Frank E. Ehrenfeld, III Laboratory Director

Client:

HZW Environmental Consultants

report Da

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH

44060

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981240

Description / Location:

Brown/Grey/Tan Sheetrock

Client No.: 0

04

Description / Location

•

% Asbestos

<u>Type</u>

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

25 3 Cellulose Fibrous Glass 72

Lab No.:

3981240

3981240

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 04

% Asbestos

Type

--

None Detected

None Detected

% Non-Asbestos Fibrous Material
None Detected

<u>Type</u>
None Detected

% Non-Fibrous Material

100

Description / Location:

White Joint Compound

Layer No.: 3

Client No.: 04

Lab No.:

% Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

NIST-NYLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Performed By: R. Shumate

Date:

6/10/2010

Page 2 of 38

Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981241

Description / Location:

44060

Tan/Brown/Grey Sheetrock

Client No.: 05

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

25 3

Callulose Fibrous Glass 72

Lab No.:

3981241

Description / Location:

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 05

Турс

% Asbestos

% Non-Asbestos Fibrous Material

Туре None Detected % Non-Fibrous Material 100

None Detected

None Detected

None Detected

White Joint Compound

Layer No.: 3

3981241 Lab No.: Client No.: 05

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

% Ashestos None Detected

Type 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

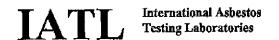
(PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that as bestos was detected but is not quantifiable under the Point Counting 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 the 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: R. Shumate

Date:

6/10/2010

Page 3 of 38



Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981242

Description / Location:

Tan/Brown/Grey Sheetrock

Client No.: 06

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

Cellulose

72

Fibrous Glass

Lab No.:

3981242

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 06

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material 100

None Detected

None Detected

None Detected

None Detected

Lab No .:

3981242

Client No.: 06

Description / Location:

White Joint Compound

Layer No.: 3

% 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

ATHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Analysis Performe	d By:	R.	Shumate
-------------------	-------	----	---------

Date:

6/10/2010

Page 4 of 38

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

% Asbestos

3981243

Description / Location:

Tan/Brown/Grey Sheetrock

Client No.: 07

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

25

Collulose

44060

Fibrous Glass

Lab No .:

3981243

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 07

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

% Asbestos None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981243

Description / Location:

White Joint Compound

Layer No.: 3

Client No.: 07

% Asbestos

Туре

% Non-Asbestos Fibrous Material

<u>Туре</u>

% 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

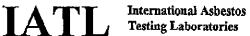
(PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantilation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EFA 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: R. Shumate

Date:

6/10/2010

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Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH

44060

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No .:

3981244

Description / Location: Brown/Grey Sheetrock

Client No.:

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

% Asbestos None Detected

None Detected

30

Cellulose Fibrous Glass 67

Layer No.: 2

Client No.: 08

3981244

Description / Location:

White Joint Compound

Lab No.:

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

IÓÒ

Lab No.:

3981245

Description / Location: Brown/Grey Sheetrock

Client No.: 09

% Asbestos

Type

% Non-Asbestos Fibrous Material

% Non-Fibrous Material

None Detected

<u>Type</u>

None Detected

30

Cellulose

67

Fibrous Glass

Lab No :

3981245

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 09

% Non-Asbestos Fibrous Material

Τγρε

% Asbestos None Detected

Type None Detected

None Detected

None Detected

% Non-Fibrous Material 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 passible with this method. (PC-Trace) represents this limit of quantization. (PC-Trace) means that ascessos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 500 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestor fibers may be missed by FLM due to resolution limitations of the optical microscope. Therefore, negative FLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: R. Shumate

Date:

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Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981246

Description / Location:

44060

Brown/Grey Sheetrock

Client No.: 10

% Asbestos

Type

% Non-Ashestos Fibrous Material

Турс

% Non-Fibrous Material 67

None Detected

None Detected

30

Cellulose

Fibrous Glass

Lab No.:

3981246

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 10

% Asbeston

<u>Type</u>

% 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

AUHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Client:

HZW Environmental Consultants

OН

6105 Heisley Rd.

Mentor

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981247

Description / Location: Red Cove Base

Client No.: 11

% Asbestos

Type

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981247

Description / Location:

Tan Mastic

Layer No.: 2

Client No.: 11

% Asbestos

Type

% Non-Ashestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981247

Description / Location:

White Joint Compound

Layer No.: 3

Client No.: 11

% Asbestos

Туре

% 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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Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH

44060

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

% Asbestos

3981248

Description / Location:

Red Cove Base

Client No.: 12

Type

% Non-Ashestos Fibrous Materjal

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981248

Description / Location:

Tan Mastic

Layer No.: 2

Client No.: 12

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

% Asbestos None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981248

Description / Location:

White Joint Compound

Layer No.: 3

% Asbestos

Client No.: 12

Турс

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

NIST-NVLÁP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981249

Description / Location:

Grey Floor Tile

Client No.: 13

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

Client No.: 13

3981249

Description / Location:

Yellow Mastic

Grey Floor Tile

Laver No.: 2

% Asbestos

Type

% Non-Asbestos Fibrous Material

Tyna

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981250

Client No.: 14

Туре

Description / Location:

% Non-Fibrous Material

% Asbestos None Detected

None Detected

% Non-Asbestos Fibrous Material None Detected

Type None Detected

100

Lab No.:

3981250

Description / Location:

Yellow Mastic

Layer No.: 2

% Asbestos

Client No.: 14

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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HZW Environmental Consultants

6105 Heisley Rd.

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44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.;

3981251

Description / Location:

Grey Cove Base

Client No.: 15 % Asbestos

Type

% Non-Ashestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981251

Client No.: 15

Description / Location:

Description / Location:

Tan Mastic

Grey Cove Base

Layer No.: 2

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981252

Client No.: 16

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981252

Client No.: 16

Description / Location:

Tan Mastic

Layer No.: 2

% Aspestos

Турв

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

NIST-NVLAP No. 101165-0

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HZW Environmental Consultants

6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981253

Description / Location:

Yellow Carpet Mastic

Client No.: 17

% Asbestos

<u>Type</u>

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981254

Client No.: 18

Description / Location: Yellow Carpet Mastic

% Asbestos None Detected

% Non-Ashestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

<u>Yypc</u> None Detected

None Detected

None Detected

100

Lab No.:

Client No.: 19

3981255

Турс

Description / Location: Red/Brown Stair Tread

% Non-Fibrous Material

% Ashestos None Detected

None Detected

% Non-Asbestos Fibrous Material None Detected

Турс None Detected

100

Lab No.:

3981255

Client No.: 19

Description / Location: Lt. Tan Mastic

Layer No.: 2

% Asbeston

Туре

% Non-Ashestos Fibrous Material

Турс

% 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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6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

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H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981256

Description / Location:

Red/Brown Stair Tread

Client No.: 20 % Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

Lab No.:

3981256

Client No.: 20

Description / Location: Lt. Tan Mastic

Layer No.: 2

% Asbestos

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

Турс None Detected

None Detected

None Detected

100

Lab No.:

3981257

Client No.: 21

Description / Location: Grey Sink Coating

Туре

% Non-Fibrous Material

% Aghestos None Detected

Type None Detected

% Non-Asbestos Fibrous Material 15

Cellulose

Lab No.:

3981258

Description / Location: Grey Sink Coating

Client No.: 22

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

Cellulose

25

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Performed By: R. Shumate

Date:

6/10/2010

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981259

Client No.: 23

Description / Location:

Red Floor Tile

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Typa

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981259

Client No.: 23

Description / Location:

Yellow Mastic

Layer No.: 2

% Asbestos

Type

% Non-Asbestos Pibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detector

None Detected

100

Lab No.:

% Asbestos

3981260 Client No.: 24

Type

Description / Location:

Red Floor Tile

% Non-Fibrous Material

None Detected

None Detected

% Non-Asbestos Fibrous Material None Detected

Type None Detected

100

Lab No.:

3981260

Client No.: 24

Description / Location:

Yellow Mastic

Layer No.: 2

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

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: R. Shumate

Date:

6/10/2010

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981261

Description / Location:

Green Floor Tile

Client No.: 25 % Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981261

Client No.: 25

Description / Location:

Clear Mastic

Layer No.: 2

% Ashestos

Тура

% Non-Ashestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981262

Client No.: 26

Description / Location; Green Floor Tile

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material 100

None Detected

None Detected

None Detected

None Detected

Lab No .:

3981262

Description / Location:

Clear Mastic

Layer No.: 2

% Asbestos

Client No.: 26

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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6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981263

Description / Location:

Grey Stair Tread

Client No.: 27 % Asbestos

Түре

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981264

Description / Location: Grey Stair Tread

Client No.: 28

% Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981265

Description / Location: Blue Cove Base

Client No.: 29

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material 100

None Detected

None Detected

None Detected

None Detected

Lab No.:

3981265

Description / Location:

Yellow Mastic

Layer No.: 2

Client No.: 29

% Asbestos

Type

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

NIST-NVLAP No. 101165-0

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Analysis Performed By: R Shumate

is based upon the sample matrix.

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981266

Client No.:

Description / Location:

Blue Cove Base

% Asbestos

<u>Туре</u>

% Non-Ashestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No .:

3981266

Client No.: 30

Тура

Description / Location:

Yellow Mastic

Layer No.: 2

% Asbestos

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material 100

None Detected

None Detected

None Detected

None Detected

Lab No.:

3981266

Client No.: 30

Description / Location:

White Joint Compound

Layer No.: 3

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

NIST-NVLAP No. 101165-0

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AIHA Lab No. 100188

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Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH

44060

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981267

Description / Location: Red/Brown Cove Base

Client No.: 31

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

% Asbestos

None Detected

None Detected

None Detected

100

Lab No.:

3981267

Description / Location;

Yellow Mastic

Layer No.: 2

Client No.: 31

% Asbestos

Турс

% Non-Asbeston Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

Client No.: 32

Description / Location: Red/Brown Cove Base

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981268

3981268

Description / Location;

Yellow Mastic

Layer No.: 2

Client No.: 32 % Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% 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

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Analysis Performed By: R. Shumate

Date:

6/10/2010

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981269

Description / Location:

Red Cove Base

Client No.: 33 % Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.; Client No.: 33

3981269

Description / Location:

Yellow Mastic

Layer No.: 2

% Asbestos

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

Туре None Detected

None Detected

None Detected

100

Lab No.:

3981270

Description / Location:

Red Cove Base

Client No.: 34

% Asbestos

Туре

% Non-Asbestos Pibrous Material

<u>Туре</u>

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981270

Description / Location:

Yellow Mastic

Layer No.: 2

Client No.: 34

% Asbestos

<u>Type</u>

% 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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Client:

HZW Environmental Consultants

6105 Heisley Rd.

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44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No .:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No .:

3981271

Description / Location:

Black Sink Coating

Client No.: 35

Type

% Non-Asbestos Fibrous Material

Type.

% Non-Fibrous Material

% Asbestos None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981272

Description / Location: Black Sink Coating

Client No.: 36

% Asbestos

Type

% Non-Asbestos Fibrous Material

 $\underline{T_{YDe}}$

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981273

Description / Location: Grey Glazing

Client No.: 37

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 0.25

Chrysotile

None Detected

None Detected

PC 99.75

3981274

Description / Location: Grey Glazing

Lab No.:

% Asbestos

Client No.: 38

Туре

% Non-Asbestos Fibrous Material

Тура

% Non-Fibrous Material

PC 0.5

Chrysotile

None Detected

None Detected

PC 99.5

NIST-NVLAP No. 101165-0

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AIHA Lab No. 100188

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HZW Environmental Consultants

6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No .:

3981275

Description / Location:

Grey Glazing

% Asbestos

Client No.: 39

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Pibrous Material

PC 0.25

Chrysotile

None Detected

None Detected

PC 99.75

Lab No.;

3981276

Client No.: 40

Турс

Description / Location: Brown/Off-White Sheetrock

% Asbestos None Detected

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material 75

None Detected

25

Cellulose

Lab No.:

% Asbestos

3981276

Client No.: 40

Type

Description / Location:

Tan Joint Compound

Layer No.: 2

PC 3.0

Chrysotile

% Non-Ashestos Fibrous Material None Detected

Type None Detected

% Non-Fibrous Material 97

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AIHA Lab No. 100188

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: Client No.: 41

3981277

Description / Location: Brown/Grey Sheetrock

% Asbestos

% Non-Asbestos Fibrous Material

Type

% Non-Pibrous Material

None Detected

Турс None Detected

75

Cellulosc

25

Lab No.:

3981277

Client No.: 41

Description / Location:

Tan Joint Compound

Layer No.: 2

% Asbestos

Type

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

PC 3.6

Chrysotile

None Detected

None Detected

PC 96.4

Lab No.:

3981278

Description / Location:

Tan/Brown/Grey Sheetrock

Client No.: 42

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

Cellulose

Lab No.:

3981278

Description / Location:

Tan Joint Compound

Layer No.: 2

Client No.: 42

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

PC.2.3

Chrysotile

None Detected

None Detected

PC 97.7

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Performed By: R. Shumate

Date:

6/10/2010

Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

Mentor

OH44060

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981279

Description / Location:

Off-White Floor Tile

Client No.:

% Ashestos

<u>[ype</u>

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

PC 6.1

Chrysotile

None Detected

None Detected

PC 93.9

Lab No .:

3981279

Description / Location: Black Mastic

Layer No.: 2

Client No.: 43

% Asbertos

Type

% Non-Asbestos Fibrons Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981280

Description / Location:

Off-White Floor Tile

Client No.: 44

% Asbestos

Type

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

PC 5.5

Chrysotile

None Detected

None Detected

PC 94.5

Lab No.:

3981280

Description / Location:

Black Mastic

Layer No.: 2

Client No.: % Asbestos

<u>Туре</u>

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

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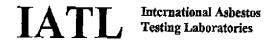
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HZW Environmental Consultants

6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981281

Description / Location:

Brown/Grey Sheetrock

Client No.: 45

% Asbestos

Турс

% Non-Asbestos Fibrous Material

3

Туре

% Non-Fibrous Material

Name Detected

None Detected

20

Collulosa Fibrous Glass 77

Lab No .:

3981281

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 45

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Type

% Non-Pibrous Material

None Detected

None Detected

10

Pibrous Glass

90

Lab No.:

3981282

Description / Location: Brown/Grey Sheetrock

% Asbestos

Client No.: 46

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

20

77

None Detected

None Detected

Ccllulose Fibrous Glass

Lab No.:

3981282

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: % Asbestos

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

10

Fibrous Glass

96

NIST-NVLAP No. 101165-0

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AIHA Lab No. 100188

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HZW Environmental Consultants

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6105 Heisley Rd.

Project:

ODOT Stripmatic Product, Inc.

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Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981283

Description / Location:

Brown/Grey Sheetrock

Client No.: 47

% Asbestos

Type

% Non-Asbestos Fibrous Materjal

Турс

% Non-Fibrous Material

None Detected

Cellulose

None Detected

20

77

Fibrous Glass

3981283 Client No.: 47

Description / Location:

White Joint Compound

Layer No.: 2

Lab No.:

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

10

Fibrous Glass

90

Lab No.:

3981284

Description / Location:

Grey Glazing

Window

% Asbestos

Client No.: 48

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 0.5

Type Chrysotile

None Detected

None Detected

PC 99.5

Lab No .:

3981285

Description / Location:

Client No.: 49

Grey Glazing

Window

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrons Material

PC 0.25

Chrysotile

None Detected

None Detected

PC 99.75

NIST-NVLAP No. 101165-0

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AIHA Lab No. 100188

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

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ÖН

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No .:

Client No.: 50

3981286

Description / Location:

Grey Glazing

Window

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 0.75

Chrysotile

None Detected

None Detected

PC 99.25

Lab No.:

Description / Location: Grey/Brown Sheetrock

Client No.: 51

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

Cellulose

95

Lab No.:

3981288

Description / Location;

Grey/Brown Sheetrock

Client No.: 52

% Asbestos

Type

% Non-Asbestos Fibrous Material 5

Type

% Non-Fibrous Material

None Detected

Cellulose

Lab No.:

3981289

Description / Location: Grey/Brown Sheetrock

Client No.: 53 % Asbestos

Iype

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Defected

None Detected

5

Ccllulose

95

NIST-NVLAP No. 101165-0

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HZW Environmental Consultants

6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

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H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No .:

3981290

Description / Location: Grey/Brown Sheetrock

Client No.: 54

% Asbestos

Турс

% Non-Asbestos Fibrous Material

<u>Туре</u>

% Non-Fibrous Material

None Detected

None Detected

10

Cellulose

Lab No.:

3981291

Description / Location:

Grey/Brown Sheetrock

Client No.: 55

% Asbestos

Type

% Non-Asbestos Pibrous Material

Түре

% Non-Pibrous Material

None Detected

Cellulose

95

Lab No.:

3981292

Description / Location: Grey/Brown Sheetrock

Client No.: 56

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

10

Cellulose

90

Lab No.:

3981293

Description / Location:

Off-White Cementitious

Client No.: 57

Туре

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

% Asbestos None Detected

None Detected

Trace

Cellulose

100

NIST-NVLAP No. 101165-0

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Analysis Performed By: L. Solebeilo

Date:

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

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H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981294

Description / Location:

Tan/White Shectrock

Client No.: 58

% Asbeston

Type

% Non-Asbestos Pibrous Material Type 1/2 Non-Fibrous Material

None Detected

None Detected

60

Cellulose

40

Tracc

Fibrous Gluss

Lab No.:

3981294

Client No.: 58

Description / Location:

White Joint Compound

Layer No.: 2

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981295

Client No.: 59

Description / Location:

Tan/White Sheetrock

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

50 Trace

Cellulese Fibrous Glass

50

Lab No.:

3981295

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 59

Type

% Non-Asbestos Fibrous Material

Турз

% Asbestos None Detected

None Detected

None Detected

None Detected

% Non-Fibrous Material 100

NIST-NVLAP No. 101165-0

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AIHA Lab No. 100188

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Analysis Performed By: L. Solebello

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

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Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981296

Description / Location:

Tan/White Sheetrock

Client No.: 60

% Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

50

Cellulosa

50

Trace

Fibrous Glass

Lab No.: Client No.: 60

3981296

Description / Location:

White Joint Compound

Layer No.: 2

% Asbestos

Турс % Non-Ashestos Fibrous Material Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981297

Description / Location: Tan Ceiling Tile

Client No.: 61 % Asbestos

<u>Tvpc</u>

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

35 35

Cellulose Fibrous Glass 30

3981298

Description / Location:

Lab No.:

Client No.: 62

Tan Ceiling Tile

% Asbestos

Type

Type Cellulose % Non-Fibrous Material 30

None Detected

None Detected

35

% Non-Asbestos Fibrous Material

Pibrous Glass

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis	Performed	By:	L,	Solebello
----------	-----------	-----	----	-----------

Date:

6/10/2010

Page 29 of 38

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981299

Description / Location:

White/Tan Ceiling Tile

Client No.: 63

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material 30

None Detected

None Detected

35

Cellulose

35

Fibrous Glass

Lab No.:

3981300

Description / Location:

Grey Cove Base

Client No.: 64

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Type

% Non-Fibrons Material 100

None Detected

None Detected

None Detected

None Detected

Lab No.: Client No.: 64

3981300

Description / Location:

Yellow Mastic

Layer No.: 2

% Asbestos

<u>Typa</u>

% Non-Asbestos Fibrous Material

<u>Tvpe</u>

% 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

(PC) Indicates Stratified Point Court 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 malyzed. Small subestos 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.

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CALLETTAL	9 T CITOR IIIC	u DY: 1.	POTOTOTIO

Date:

6/10/2010

Page 30 of 38

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981301

Description / Location:

Grey Cove Base

Client No.: 65

% Asbestos

Type

% Non-Asbestos Pibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981301

Description / Location:

Yellow Mastic

Laver No.: 2

Client No.: 65 %_Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981302

Description / Location:

Tan Glazing

Window

% Asbestos

Client No.: 66

<u> Тура</u>

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.4

Chrysotile

None Detected

None Detected

PC 98.6

Lab No.:

3981303

Description / Location:

Client No.: 67

Tan Glazing

Window

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.2

Chrysotile

None Detected

None Detected

PC 98.8

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Performed By: L. Solcbello

Date:

6/10/2010

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OН

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

Client No.: 68

3981304

Description / Location:

Tan Glazing

Window

% Ashestos

Туре

% Non-Ashestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.3

Chrysotile

None Detected

None Detected

PC 98.7

Lab No.:

3981305

Description / Location:

White/Tan Ceiling Tile

Client No.: 69

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

Cellulosc

30

35 35

Fibrons Glass

Lab No.:

3981306

Description / Location:

White/Tan Ceiling Tile

Client No.: 70

% Asbestos

<u>Type</u>

% Non-Asbestos Fibrous Material

Type:

% Non-Fibrous Material

None Detected

None Detected

35

Cellulose

30

35

Fibrous Glass

Lab No.:

3981307

Description / Location:

White/Tan Ceiling Tile

Client No.: 71

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material 30

% Asbestos None Detected

None Detected

35 35 Cellulose

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:

6/10/2010

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

Client No.: 72

3981308

Description / Location:

Off-White Glazing

Window

% Azbestos

<u>Type</u>

% Non-Ashestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

PC Trace

Chrysotile

None Detected

None Detected

100

Lab No.:

3981309

Description / Location:

Off-White Glazing

Window

% Asbestos

Client No.: 73

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.1

Chrysotile

None Detected

None Detected

PC 98.9

Lab No.:

3981310

Description / Location:

White Glazing

Window

% Axbestos

Client No.: 74

Type

% Non-Asbestos Fibrous Material

Type

% Non-Pibrous Material

PC 0.25

Chrysotile

None Detected

None Detected

PC 99.75

Lab No.:

3981311

Description / Location: White Joint Compound

Client No.: 75 % Asbestos

Type

% Non-Asbestos Fibrons 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

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Analysis Performed By: L. Solebello

Date:

6/10/2010

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981312

Description / Location:

White/Tan Sheetrock

Client No.;

% Asbeston

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detector

Cellulose

70

Lab No.:

3981312

Client No.:

Description / Location:

White Joint Compound

Layer No.: 2

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981313

Client No.: 77

Description / Location:

White Joint Compound

% Asbestos

Type

% Non-Ashestos Fibrous Material

Турс

% 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 Performed By: L. Solcbello

Date:

6/10/2010

Page 34 of 38

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

% Asbestos

3981314

Description / Location:

Off-White/Tan Sheetrock

Client No.: 78

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

30

Cellulose

70

Lab No.:

3981314

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: % Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981315

Description / Location: Off-White/Tan Sheetrock

Client No.: 79

% Asbestos

Турэ

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

30

None Detected

None Detected

Trace

Cellulose Fibrous Glass 70

3981315

Description / Location:

Lab No.: Client No.: 79

White Joint Compound

Layer No.: 2

% Asbestas

Type

% Non-Ashastos 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

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Analysis Performed By: L. Solebello

Date:

6/10/2010

Page 35 of 38

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981316

Description / Location: Off-White/Tan Sheetrock

Client No.: 80

% Asbestos

Турс

% Non-Ashestos Fibrous Material

Тура

% Non-Fibrous Material

None Detected

None Detected

20

Cellulosc

80

Trace

Fibrous Glass

Lab No.: Client No.:

3981316

Description / Location:

White Joint Compound

Layer No.: 2

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

Nunc Detected

None Detected

None Detected

None Detected

100

Lab No.:

3981317

Description / Location: Off-White/Tan Sheetrock

Client No.: 81

% Axhestos

Type

% Non-Ashestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

50

None Detected

Cellulose

50

Trace

Fibrous Glass

Lab No.:

3981317

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 81 % Asbestos

% Non-Ashestos Fibrous Material

Турс

None Detected

Type None Detected

None Detected

None Detected

% Non-Fibrous Material 100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Performed By: L. Solebello

Date:

6/10/2010

Page 36 of 38

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

ÓН

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3981318

Description / Location:

Lt. Tan Glazing

Window

% Asbestos

Client No.: 82

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.6

Chrysotile

None Detector

None Detected

PC 98.4

Lab No.:

3981319

Description / Location: Lt. Tan Glazing

Window

Client No.: 83

Туре

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

% Asbertos PC 1.4

Chrysotile

None Detected

None Detected

PC 98.6

Lab No.:

3981320

Description / Location: Lt. Tan Glazing

Window

% Asbestos

Client No.: 84

<u>Type</u>

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.2

Chrysotile

None Detected

None Detroted

PC 98.8

Lab No.:

3981321

Description / Location:

White Glazing

Window

% Asbestos

Client No.: 85

Турс

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

PC 0.5

Chrysotile

None Detected

None Detected

PC 99.5

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AJHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: L. Solebello

Date:

6/10/2010

Page 37 of 38

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT Stripmatic Product, Inc.

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.;

Client No.: 86

3981322

Description / Location:

White Glazing

Window

% Asbestos

Туре

% Non-Asbestos Frbruus Material

Type

% Non-Fibrous Material

PC 0.25

Chrysotile

None Detected

None Detected

PC 99.75

Lab No.:

3981323

Description / Location:

White Glazing

Window

% Asbestos

Client No.: 87

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 0.5

Chrysotile

None Detected

None Detected

PC 99.5

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: L. Solebello

Date:

6/10/2010

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- **-** |

Chain of Custody / Sample Log Bulk Asbestos

9000 Commerce Parkway Suite B Mt. Laurel, NI 08054 Toll Free: \$77 428-4285 info@iati.com www.iatl.com

Client:	HzW Environmental Consultants, LLC	Project Name: ODOT (STRIPMATIC Rocket,	Tre.
CRATEOUT	6105 Heisley Road	Project No.: #10002-14	
	Mentor, Ohio 44060		,
Office Phone	:: 440-357-1260	Contact 1: Joan Sablar	
Cell Phone:		Contact 2:	
FAX / Email	1: 440-357-1510	FAX / Email 2 JSablar@hzwenv.com	
Special	DN# 5	353-10	
Instructions:			
			_
Matrix:			
	Air Soil Bulk Water Paint Surface	Dust / Wipe	
			1
Analysis M	ethod:		1
PLM : Bull	k Asbestos Building Materials EPA 600 / R 93-116		
PLM : Poir	nt Counting	PLM: Analyze Until Positive (Positive Stop)	
	C: via ELAP 198.1	AUP: by Homogenous Area as Noted AUP: by Material Type as Noted	
· — ·	C: 400 Points C: 800 Points *		
P	C: other Points *	PLM: Non-Building Material *, **(Dust, Wipe, Tape, Soil) Soil or Vermiculite Analysis *, **	
PLM: Gra	vimetric Reduction	PLM: Instructions for Multi-Layered Samples	
	LM: NOB via 198.6 LM: Friable via EPA 600 2.3	Analyze and Report All Separable Layers per EPA 600 Report Composite for Drywall Systems per NESHAP	
	CIW by PLM, to TEM via 198.4 *	Report All Layers and Composite Where Applicable	
If	<1% by PLM, Hold for Instructions	Only Analyze and Report Specifically Noted Layer	
* Additional charg	ge and turnaround may be required. ** Alternative Metho	od (ex: EPA 600/R-04/004) may be recommended by Laboratory.	<u> </u>
The second		□ Verbals □ FAX □ Email	
Turnaroun	•	te/time	
Time:	Gad.		
10 Da	·	1 Day* 12 Hour** 6 Hour** RUSH**	
* End of no	ext business day unless otherwise specified. ** Ma	atrix Dependent. Please notify the lab before shipping.	l
Sample Nu	m'here]
Sampioria	Client #(s): 0/ - 87	iATL#(s):Total:	
Places	(short) (end)	(start) (end) ses, areas, descriptions, locations, etc.) or download forms at lad.com	
Please	sase your sample log to supply sampling retornation (ov. 10 and	Day to the state of the state o	
Chain of C	ustody:		
Relingu	ished (Name / Organization):	Date: 6/4/10 Time: Time:	
	ed (Name / iATL):		
Sample	Prep (Name / IATL):	Date: JUN - 7 Time: Date: Time:	1
	is(Name(s) / iATL): 14 C 6 1(0) 10	Date: Tinte: Time:	İ
	ed / Released: QA/QC InterLAB Use:		_



9000 Commerce Parkway
Suite B
Mt. Laurel, NI 98054
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 (ITAI public problet, Ire.)
Project No.: H10002-14

ſ		Ť		
	Client Sample ID:	IATL Sample ID:	Sample Description / Location	Notes
0_		3981237	CT	
1	02	3981238)	
L	C3	3981239		
	cy	3981240	Drywy System	
	CS	3981241		
L	<u>~~~~</u>	3981242		
		3981243		
L	_CY	3981244		
	CRI	3981245		
	48	3981246		
	aft !	3981247	COVE BASE	-
L	n	3981248		
	13	3981249 3981250	TT	
L	64	3981250		
L	13	3981251	CUNTE BASE	
L	16	3981252	/	
L	/7	3981253	CAUPET MASTIC	
L	18	3981254		
L	67	3981255 3981256	STAW COVERY	
	20			
L	21	3981257	Such Botton Conting	
L	22	3981258		,
L		3981259	FT	
L		3981260		
_		3981261	FT	
L	26	3981262		
L		3981263	STAN Truel curry	
	28	3981264		

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

Client:

HzW Environmental Consultants, LLC 6105 Heisley Road Mentor, Oh 44060

Project Name: ODOT (STRIPMIT K product, Ire.)
Project No.: #/ Cov 2-14

Client Sample ID:	11.00		
	iATL Sample ID:	Sample Description / Location	Notes
30	3981265	Corte BAKE	
<u> </u>	3981266		
71	3981267	COVE DAVE	
74	3981268		
27	39812 6 9	Cour BAJE	
34	3981270	1	
35	3981271	Sinte Battom Cutting	
76	3981272	1	
37	3981273		_
38	3981274	Country correspond	
25	8981275		
	3984276		
01/	3981277	Dignord Systam	
42	3981278		
47	3981279		
44	3981280		
45	3981281	0 //	
46	3981282	Dujustl system	
440			
	3981283		
	3981784	Georden Charry	
Fr	3981285		
51	3981286 3981287	/	
	3981288	WHOTE Bord Decking	
_			
	1981289 1981290		
	981291		
56	981292		

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Client:

HzW Environmental Consultants, LLC 6105 Heisley Road Mentor, Oh 44060

Project Name: ODOT (STEEPMATIC PROBLEM, Tre.)

Client Sample ID:	iATL Sample ID:	Sample Description / Location	
57	3981293 3981294		Notes
51	3981294	Dynk System	
58	3981295	1 System	
Go	3981296		
61	3981297	CT	
GL	,	1	
67	3981298		
64	3981399	CAR R.	
65	3981301	CWE BALL	
66	3981302		
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75	3981315		
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<i>F</i> 2	3981320		

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HzW Environmental Consultants, LLC 6105 Heisley Road Mentor, Oh 44060

Project Name: ODO	- STRIPMATIK	Druktti Tro
Project No.:	F/10002-1	1

Client Sample ID:	iATL Sample ID:	Sample Description / Location	
85	iATL Sample ID: 3981321	Certar Colory	Notes
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Client:	HzW Environmental Consultants. LLC	Project Name: /	ODOT (STRIPMATIC POOLUTIE)
	6105 Heisley Road	Project No.:	H10002-14
	Mentor, Ohio 44060		
	± 440-357-1260	Contact 1: Jo	oan Sablar
Cell Phone:		Contact 2:	
FAX / Email	1: 440-357-1510	FAX / Email 2 J	Sablar@hzwenv.com
Special	POF-5	353-10	
Instructions:			
79.45			
Matrix:	sir Soil Bulk		Other
		Dust / Wipe	Other
Analysis Mo	ethod:		·
PLM : Bulk	Asbestos Building Materials EPA 600 / R 93-116		
PLM : Point	t Counting	LM : Analyze Until Po	ritivo (Desivino Care)
	: via ELAP 198.1 : 400 Points	AUP : by Home	Ogenous Area as Noted
	: 800 Points *	AUP: by Mater	rial Type as Noted
PÇ	: other Points *	LM : Non-Building Ma	terial *, **(Dust, Wipe, Tape, Soil)
	_	Soil or Vermic	culite Analysis *, **
	imetric Reduction	M: Instructions for M	lulti-Layered Samples
	M : NQB via 198.6 M : Friable via EPA 600 2.3	Analyze and Re	port All Separable Lavers per EPA 600
If <	:1% by PLM, to TEM via 198.4 *	Report Composi	ite for Drywall Systems per NESHAP
☐ If <	1% by PLM, Hold for instructions	Only Analyze ar	nd Report Specifically Noted Layer
* Additional charge	and turnaround may be required. ** Alternative Method	(ex: EPA 600/R-04/004) 1	may be recommended by Laboratory.
Turnaround	· · · · · · · · · · · · · · · · · · ·		
Time:			Verbals □ FAX □ Email
1 me:	date /	time	
10 Day		Day* 12 Hour	** 6 Hour** RUSH**
* End of next	business day unless otherwise specified. ** Matri	x Dependent. Please noti:	fy the lab before shipping.
Sample Num	bers:		
	Client #(s):	iATL#(s):	T-4-1-
1	(start) (end)	Colonia	Total:
1	se your sample log to supply sampling information (ex. Volumes,	areas, descriptions, locations	, etc.) or download forms at latt.com
Chain of Cus			DEELVED
Relinquisi	hed (Name / Organization):	Date	
Sample La	(Name/iATL): Ogin (Name/iATL):	Date	Time:
Sample Pr	rep (Name / iATL):	Date	
	Name(s) / iATL): 14 C 6 10 10 LS 6 eview (Name / iATL):	/10/10 Date	Time:
Archived /	/ Released: QA/QC InterLAB Use:	Date	

TIG Welding

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

ÔН

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

Client No.: 01

3982869

Description / Location:

44060

Yellow/Lt.Tan Plaster

Ceiling

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

PC 1.2

Chrysotile

Hair

PC 98.8

Lab No.:

Client No.: 02

3982870

Description / Location:

Yellow/Lt.Tan Plaster

Ceiling

% Asbestos

Туре

% Non-Asbestos Fibrous Meterial

Туре

% Non-Pibrous Material

PC 1.3

Chrysotile

Traca

Hair

PC 98.7

Lab No.:

3982871

Description / Location:

Yellow/Lt. Tan Plaster

Ceiling

Client No.: 03 % Asbestos

Турс

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

PC 1.2

Chrysotile

Трасе

Hair

PC 98.8

Lab No .;

% Asbestos

3982872

Description / Location:

Lt.Tan Plaster

Wall

Client No.: 04

Туре

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

PC 1.6

Chrysotile

PC 97.4

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

(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 quantization. (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: M. Mirza

Approved By:

Date:

6/11/2010

Page 1 of 9

Frank E. Ehrenfeld, III Laboratory Director

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3982873

Description / Location:

Lt. Tan Plaster

Wall

Client No.: 05 % Asbestos

<u>Type</u>

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.4

Chrysotile

PC 97.6

Lab No.:

3982874

Description / Location:

Lt. Tan Plaster

Wall

% Asbestos

Client No.: 06

Type

% Non-Ashestos Fibrous Material

Туре

% Non-Fibrous Material

PC 1.5

Chrysotile

Hair

PC 97.5

Lab No.:

3982875

Description / Location: Yellow/Lt.Tan Flaster

Ceiling

% Asbestos

Client No.: 07

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

PC 1.8

Chrysotile

Hair

PC 97.2

Lab No.:

3982876

Description / Location:

Yellow/Lt.Tan Plaster

Client No.: 08 % Asbestos

Турс

Ceiling % Non-Asbestos Fibrous Material

Турз

% Non-Fibrous Material

PC 1.6

Chrysotile

PC 97.4

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: BPA 600/R-93/116

(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) mesns 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 subestos 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: M. Mirza

Date:

6/11/2010

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: Client No.: 3982877

Description / Location:

44060

Yellow/Lt.Tan Plaster

Ceiling

% Asbestos

Туре

% Non-Asbestos Pibrous Material

Турс

% Non-Fibrous Material

PC 1.5

Chrysotile

PC 97.5

Lab No.:

Client No.: 10

3982878

Description / Location;

Lt.Tan Plaster

Wall

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

PC 1.8

Chrysotile

Hair

PC 97.2

Lab No.:

3982879

Description / Location:

Lt. Tan Plaster

Wali

Client No.: 11 % Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC 1.6

Chrysotile

Haie

PC 97.4

Lab No.:

% Asbestos

Description / Location:

Lt. Tan Plaster

Client No.: 12

Wall

Type

% Non-Ashestos Fibrous Material

Type

% Non-Fibrous Material

PC 2.1

Chrysotile

Hair

PC 96.9

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 and 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 aspessos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in occordance 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 arbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be granateed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: M. Mirza

Date:

6/11/2010

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: Client No.: 13

3982881

Description / Location:

White/Tan Ceiling Tile

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detector

None Detected

98

Cellulose

Lab No.:

3982882

Description / Location: White/Tan Ceiling Tile

% Asbestos

Client No.: 14

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

Cellulose

2

Lab No.:

3982883

Description / Location: White/Tan Ceiling Tile

Client No.: 15

% Asbestos

% Non-Ashestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

Cellulose

3982884

Description / Location: White/Lt.Tan Ceiling Tile

Lab No.:

Client No.: 16

% Non-Ashestos Fibrous Material

% Non-Fibrous Material

% Asbestos None Detected

Type None Detected

Type

10

Cellulose Mmeral Wool 40

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: M. Mirza

Date:

6/11/2010

Page 4 of 9

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.;

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3982885

Description / Location:

White/Lt.Tan Ceiling Tile

Client No.: 17

Тура

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

% Asbestos None Detected

None Detected

50 10

Cellulose

Mineral Wool

Lab No.:

3982886

Description / Location: White/Lt.Tan Ceiling Tile

Client No.: 18

% Asbestos

% Non-Asbastos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

Callulose

10

Mineral Wool

Lab No.:

3982887

Description / Location: Tan/Off-White Sheetrock

Client No.: 19

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

Callulose

95

Lab No.:

3982887

Description / Location:

White Texture Plaster

Layer No.: 2

Client No.: 19

Туре

% Non-Asbestos Filmous Material

Type

% Non-Fibrous Material

% Asbestos None Detected

None Detected

None Detected

None Detected

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Performed By: M. Mirza

Date:

6/11/2010

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3982888

Description / Location: Tan/Off-White Sheetrock

Client No.: 20

% Asbestos

Type

% Non-Ashestos Pibrous Material

Тупс

% Non-Fibrous Material 95

None Detected

None Detected

Collulose

Lab No .: 3982888

Client No.: 20

Description / Location:

White Texture Plaster

Layer No.: 2

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982889

Description / Location: Tan/Off-White Sheetrock

Client No.: 21

% Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material 95

None Detected

None Detected

Cellulose

Lab No.:

3982889

Description / Location:

White Texture Plaster

Layer No.: 2

Client No.:

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

% Asbestos 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 Performed By: M. Mirza

Date:

6/11/2010

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HZW Environmental Consultants

6105 Heisley Rd

Mentor

OH

44060

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3982890

Description / Location: Grey Window Glazing

Client No.: 22

% Asbestos

<u>Type</u>

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

PC 0.3

Chrysotile

Fibrous Glass

PC 98.7

Lab No.:

3982891

Description / Location: Grey Window Glazing

Client No.: 23

% Ashestos

Type

% Non-Asbestos Fibrons Material

Type

% Non-Fibrous Material

PC Trace

Chrysotile

Fibrous Glass

Lab No.:

% Asbestos

3982892

Description / Location: Grey Window Glazing

Client No.: 24

Type

% Non-Asbestos Filmous Material

Туре

% Non-Fibrous Material

PC 0.3

Chrysotile

Fibraic (Nace

PC 98.7

Lab No.:

3982893

Description / Location: Black Roof Material

Client No.: 25

% Asbestos

Type Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

PC Trace

Chrysotile

Callulose

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Performed By: M. Mirza

Date:

6/11/2010

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Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3982894

26

Description / Location: Black Roof Material

Client No.: % Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

PC Trace

Chrysotile

Ccilulose

90

Lab No.: Client No.: 27

3982895

Description / Location: Black Roof Material

% Ashestos PC Trace

Туре Chrysotile

24 Non-Asbestos Fibrous Material

Type Cellulose % Non-Fibrous Material

Lab No.:

3982896

Description / Location: Black Roof Material

Client No.:

% Asbestos

Type

% Non-Ashestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

PC Trace

Chrysonile

Cellulose

ጸስ

Lab No.:

3982897

Description / Location: Pink Window Glazing

Client No.:

% Asbestos

Турс

% Non-Asbestos Fibrous Material

<u>Type</u>

% 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 Performed By: M. Mirza

Date:

6/11/2010

Page 8 of 9

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/11/2010

Project:

ODOT (TIG Welding)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3982898

Client No.: 30

Description / Location: Pink Window Glazing

% Asbestos

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982899

Description / Location: Pink Window Glazing

% Asbestos

Client No.: 31

Type

% Non-Asbestos Fibrous Material

<u>Tvpe</u>

% 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 Performed By: M. Mirza

Date:

6/11/2010

Page 9 of 9



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

Client;	HzW Environmental Consultants, LL	C Profess No.	00st (T.C. (T.A.)
	6105 Heisley Road		me: ODOV (TIG Wilding)
	Mentor, Ohio 44060	<u> </u>	// /////////////////////////////////
Office Phone:	440-357-1260	Contact 1:	Jam Date
Cell Phone:		Contact 1:	Joan Sablar
rax/Eman	1: 440-357-1510		il 2 JSablar@hzwenv.com
Special		PO# 535	
Instructions:			3-70
Matrix:			
Ai Ai	ir 🖂 Soil 🔀		
 	ater Paint	Bulk Surface Dust / Wipe	Other
4 - 1- 2 7 8		ourage ouser wipe	
Analysis Me			
PLM : Bulk .	Asbestos Building Materials EPA 600 / R	93-116	
PLM : Point	Counting		
PC	via ELAP 198.1	AUP: by	til Positive (Positive Stop) Homogenous Area as Noted
PC	: 400 Points : 800 Points *	AUP: by	Material Type as Noted
PC:	other Points *		1
		Soil or V	g Material *, **(Dust, Wipe, Tape, Soil) ermiculite Analysis *, **
PLM : Gravin	netric Reduction		1
PLM	I: NOB via 198.6	Analyze ar	for Multi-Layered Samples and Report All Separable Layers per EPA 600
	l : Friable via EPA 600 2.3 % by PLM, to TEM via 198.4 *	j ji Keport Cor	TOPOSITE for Drywall Systems her NEGLIAD 1
If <1	% by PLM, Hold for Instructions	Vebou VII	Layers and Composite Where Applicable yze and Report Specifically Noted Layer
* Additional charge a	ad tumaround may be required. ## 4 thanks	,	and resport opecinically Noted Layer
	nd turnaround may be required. ** Alternation	e Method (ex: EPA 600/R-04/	004) may be recommended by Laboratory.
Turnaround	Preliminary Results Requested By		□ Verbals □ FAX □ Pmsil
Time:		date / time	□ Verbals □ FAX □ Email
10 Day	5 Day 3 Day 2 Day	F	Hour** 6 Hour** Discuss
* End of next b	usiness day unless otherwise specified.	ويسسا	L TIME L ROSE
		Property Populating Chesse	e notify the lab before shipping.
Sample Numb	dient #(s): 5/ 3/		
	/nrng)	_ iATL#(s):	Total:
Please use	your sample log to supply sampling information (ex	Volumes, areas, descriptions, loc	(start) (end) ations, etc.) or download forms at intl.com
Chain of Cust			
Relinguishe	d (Name / Organization)	J France	- Total mary and
Received (N	lame / iATL)-		Date: 6/1/0 Time: July Date:
Sample Pres	in (Name / iATL): AND (6) O	1 1 1 2	Date: Time:
Analysis(Na	unc(s)/iATL):	A	Date: Time
QA/QC Rev	icw (Name / iATL):		N-4-1
Archived / R	cleased:QA/QC Interi_AE) Y+	Date: Time: Time:



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

Client:

HzW Environmental Consultants, LLC 6105 Heisley Road Mentor, Oh 44060

Project Name: ODOT (TIG / rally)
Project No.: 110002-14

Client Sample ID:	iATL Sample ID:	Sample Description / Location	N-4
_0/	3982869	CTEILIN PHASTER	Notes
<u>_()2</u>	3982870	7	
03	3982871		
_cy	3982872 3982873	hall phister	
05		porter politico	
06	3982874		
07	3982875	CTEILIN PLAITEN	
Cr	3932876	- Taring & Chire	
C7	3932877		
10	3982878		
11	3982879	WALL PLANTER	
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Client:

HzW Environmental Consultants, LLC 6105 Heisley Road Mentor, Oh 44060

Project Name: ODOT (TIG Lind ding)
Project No.: H10002-14

lient Sample ID:	iATL Sample ID:	Sample Description / Location	AT. 4
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26	3982898		
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River Dock, Inc.



Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

Report Date: 6/10/2010

Project:

ODOT (River Dock)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

% Asbestos

3982838

Description / Location:

44060

White/Tan Ceiling Tile

Client No.:

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Pibrous Material

None Detected

None Detected

35

Cellulose

35

Fibrous Glass

Lab No.:

3982839

Description / Location:

White/Tan Ceiling Tile

Client No.:

% Non-Fibrous Material

% Ashestos

Type

% Non-Asbestos Fibrous Material

Type.

None Detected

None Detected

35 35

Cellulosc Fibrous Glass

Lab No.:

3982840

Description / Location:

White/Tan Ceiling Tile

Client No.: 03

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

% Ashestos 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

(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. (PO-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:

6/10/2010

Frank E. Ehrenfeld, III Laboratory Director



CERTIFICATE OF ANALYSIS	TE OF ANAI	YSIS
-------------------------	------------	------

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT (River Dock)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No::

3982841

Description / Location:

White/Tan Sheetrock

Client No.: 04

% Asbestos

None Detected

Type None Detected % Non-Asbestos Pibrous Material

Type

% Non-Filwous Material

12

Cellulose

Lab No.:

3982841

Description / Location:

White Joint Compound

Layer No.: 2

Client No.: 04

% Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982842

Description / Location:

White/Tan Sheetrock

Client No.: 05

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material 22

None Detected

None Detected

12

Cellulose

Lab No.:

3982842

Description / Location:

White Joint Compound

Layer No.: 2

Client No.:

Type

% Non-Ashestos Fibrous Material

Type

% Non-Fibrous Material

% Asbestos 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 Performed By: L. Solebello

Date:

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

44060

Report Date: 6/10/2010

Project:

ODOT (River Dock)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3982843

Description / Location:

White/Tan Sheetrock

Client No.: 06

% Asbestos

Type

% Non-Asbestos Fibrous Material

Тура

% Non-Fibrous Material

Name Districted

None Detected

15

Cellulose

Lab No.:

3982843

Description / Location:

White Joint Compound

Layer No.: 2

Client No.:

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982844

Client No.: 07

Description / Location: Off-White Floor Tile

% Asbestos None Detected Туре

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

Name Detected

100

Lab No.:

3982845

Description / Location: Off-White Floor Tile

Client No.: 08

Турс

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

% Asbestos 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 Performed By: L. Solebello

Date:

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

Report Date: 6/10/2010

Project:

ODOT (River Dock)

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

% Asbestos

3982846

Description / Location:

44060

Black Cove Base

Client No.:

Туре

% Non-Asbestos Fibrous Material

Tyre

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982846

Description / Location:

Yellow Mastic

Layer No.: 2

Client No.:

% Asbestos

Туре

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982847

Description / Location: Black Cove Base

Client No.: 10

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material 100

None Detected

None Detected

None Detected

None Detected

Lab No .:

3982847

Description / Location:

Yellow Mastic

Layer No.: 2

Client No.: 10 % Asbestos

<u>Type</u>

% Non-Asbestos Fibrous Material

<u>Type</u>

% 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

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Analysis Performed By: L. Solebello

Date:

Client:

HZW Environmental Consultants

Report Date: 6/10/2010

6105 Heisley Rd.

Project:

ODOT (River Dock)

Mentor

OH

44060

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

% Asbastos

3982848

Description / Location:

Lt. Tan Floor Tile

Client No.: 11

Type

% Non-Asbestos Fibrous Material

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982848

Description / Location:

Yellow Mastic

Laver No.: 2

Client No.: 11

% Asbestos

Type

% Non-Ashestos Fibrous Material

Type

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982849

Description / Location: Lt. Tan Floor Tile

Client No.: 12

% Asbestos

Type

% Non-Asbestos Fibrous Material

Түре

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3982849

Description / Location:

Yellow Mastic

Laver No.: 2

Client No.: 12

% Asbestos None Detected

Type None Detected % Non-Asbestos Fibrous Material None Detected

Type None Detected % Non-Fibrous Material 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 strated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that subestos 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:



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	Project Name: OPOT (RIVEL DUCK)		
	6105 Heisley Road	Project No.: #10062 -14		
	Mentor, Ohio 44060			
Office Phone	: 440-357-1260	Contact 1: Joan Sablar		
Cell Phone:		Contact 2:		
FAX / Email	1:440-357-1510	FAX / Email 2 JSablar@hzwenv.com		
Special Instructions:		Po # 5353-10		
7	uir Soil Bulk Vater Paint Surface D	Other		
Analysis M	ethod:			
PLM : Bulk	: Asbestos Building Materials EPA 600 / R 93-116			
PLM:Poin	t Counting	LM : Analyze Until Positive (Positive Stop)		
PC	:: via ELAP 198.1	AUP: by Homogenous Area as Noted		
· —	2: 400 Points 2: 800 Points *	AUP: by Material Type as Noted		
		M: Non-Building Material *, **(Dust, Wipe, Tape, Soil)		
		Soil or Vermiculite Analysis *, **		
PLM : Grav	rimetric Reduction			
	M : NOB via 198.6	Analyze and Report All Separable Layers per EPA 600		
	M: Friable via EPA 600 2.3	Report Composite for Drywall Systems per NESHAP		
	<1% by PLM, to TEM via 198.4 * <1% by PLM, Hold for Instructions	Report All Layers and Composite Where Applicable Only Analyze and Report Specifically Noted Layer		
* Additional above	and an			
* Additional charge	and turnaround may be required. ** Alternative Method	(ex: EPA 600/R-04/004) may be recommended by Laboratory.		
Turnaround	Preliminary Results Requested By	□ Verbals □ FAX □ Email		
Time:	date /			
10 Day	5 Day 3 Day 2 Day 1	Day* 12 Hour** 6 Hour** RUSH**		
* End of next business day unless otherwise specified ** Maurix Dependent. Please notify the lab before shipping.				
Sample Nun	nhere			
	Client #(s): 0/ - 12	iATL#(s):Total:		
	(start) (end)	(cond)		
ricașe u	use your sample log to supply sampling information (ex. Volumes,	areas, descriptions, locations, etc.) or download forms at latt.com		
Chain of Cu		. 5		
	shed (Name / Organization):	Date: 6/7/10 Time: J'w.		
	(Name / iATL): (OYY) (a/9//)	Date: 15 Time:10		
	rep (Name / iATL):	Dates Time:		
Analysis(Name(s) / iATL):	Date: 1/2/107/16 - 8 2018e: 1/2/1		
QA/QC F	Review (Name / IATL):	Date:		
Archived	/ Released: QA/QC InterLAB Use:	Date:		



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HzW Environmental Consultants, LLC 6105 Heisley Road Mentor, Oh 44060 Project Name: DOT (RIVER DUCK)
Project No.: HIGUOR-14

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
01	3982838	CF	
03	3982839)	
	3982840	(
CH	3982841	Duyun system	
03	3982842	/) /	
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67	3982843 3982844	FT	
08	3982845	/	
04	3982846	CUR PAIL	
10	3982847	/	
[7	3982848	Fr	
12	3982849)	
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Allied Corporation, Inc.

Client:

HZW Environmental Consultants

Report Date: 6/15/2010

6105 Heisley Rd.

Project:

ODOT Allied

Mentor

OH

44060

Project No.:

H10002-14

BUILK SAMPLE ANALYSIS SUMMARY

Lab No .:

3988777

Description / Location:

Tan Ceiling Tile

Client No.: 01

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

% Asbestos None Detected

None Detected

Cellulose

15

Mineral Wool

Lab No.:

3988778

Description / Location: Tan Ceiling Tile

Client No.: 02

% Asbestos

Type

% Non-Asbestos Fibrous Material

Туре

% Non-Pibrous Material

None Detected

None Detected

15

Ccilulose Mineral Wool

Lab No.:

Description / Location: Tan Ceiling Tile

Client No.: 03

Type

% Non-Asbestos Fibrous Material

<u>Type</u>

% Non-Fibrous Material

% Asbestos

None Detected

Colluiose

45

None Detected

15

Mineral Wool

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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Analysis Method: EPA 600/R-93/116

(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 quantilation. (FC-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 asbestes 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: S. Robb

Approved By:

Date:

6/15/2010

Page 1 of 3

Prank E. Ehrenfeld, III Laboratory Director

Client:

HZW Environmental Consultants

6105 Heisley Rd.

Mentor

OH

Report Date: 6/15/2010

Project:

ODOT Allied

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

3988780

Description / Location:

44060

White/Tan Sheetrock

Client No.: 04

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

% Asbestos None Detected

None Detected

Callulose

95

Lab No .:

3988780

Description / Location:

White Wall Texture

Layer No.: 2

Client No.: 04

% Asbestos

Type

% Non-Asbestos Fibrous Material

Турс

% Non-Fibrous Material

None Detected

None Detected

None Detected

None Detected

100

Lab No.:

3988781

Description / Location: White/Tan Sheetrock

Client No.: 05

% Asbestos

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material 95

None Detected

None Detected

Cellulose

Lab No.:

3988781

Description / Location:

White Wall Texture

Layer No.: 2

Client No.: 05

Type

% Non-Asbestos Fibrous Material

Type

% Non-Fibrous Material

% Asbestos 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

(PC) Indicates Stratified Foota Count Method performed. Method not performed unless stated. Quantification at <0.25% by wolume is possible with this method. (PC-Trace) represents this Jimit of quantitation. (PC-Trace) means that asbestoe was detected but is not quantifisble under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with BPA 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: S. Robb

Date:

6/15/2010

Page 2 of 3

Client:

HZW Environmental Consultants

Report Date: 6/15/2010

6105 Heisley Rd.

Project:

ODOT Allied

Mentor

OH 44060

Project No.:

H10002-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:

% Asbestos

3988782

Description / Location:

White/Tan Sheetrock

Client No.: 06

Type

% Non-Asbestos Fibrous Material

Тура

% Non-Fibrous Material

None Detected

None Detected

Cellulose

95

Lab No.:

3988782

Description / Location:

White Wall Texture

Layer No.: 2

Client No.: 06

% 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

(PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Truce) represents this (PC) Indicates Strainbed Four Count Meriod performed. Meriod not performed unless stated. Quantification at <0.15% by volume is possible with this method. (PC—Frace) represents this limit of 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: S. Robb

Date:

6/15/2010

Page 3 of 3



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: ODOT (Allifu) Project No.: HIGW2-14
Cell Phone:	e: <u>440-357-1260</u> 1: <u>440-357-1510</u>	Contact 1: Joan Sablar Contact 2: FAX / Email 2 JSablar@hzwenv.com
Special Instructions:		Po 5353-10
		sulk Other
Analysis M	lethod:	
PLM : But	k Asbestos Building Materials EPA 600 / R 93	3-116
PC	nt Counting C: via ELAP 198.1 C: 400 Points C: 800 Points * C: other Points *	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 Veiniculite Analysis *, **
PL PL	vimetric Reduction M: NOB via 198.6 M: Friable via EPA 600 2.3 <1% by PLM, to TEM via 198.4 * <1% by PLM, Hold for Instructions	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	e and turnaround may be required. ** Alternative	Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.
Turnaround Time:		□ Verbals □ FAX □ Email
		1 Day* 12 Hour** 6 Hour** RUSH** ** Matrix Dependent. Please notify the lab before shipping.
Sample Nun	nbers: Client #(s): 06 (start)	iATL#(s):
Chain of Cu		Y Constitution of the cons
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HzW Environmental Consultants, LLC 6105 Heisley Road Mentor, On 44060 Project Name: ODG (Alling)
Project No.: HICO2-14

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Client Sample ID:	iATL Sample 1D: 3988777	Sample Description / Location	Notes
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OL	3988778		
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ATTACHMENT 4

OSHA 29 CFR 1926.1101 SECTIONS (g)(1), (g)(2) & (g)(3)

OSHA 29 CFR 1926.1101 SECTIONS (g)(1), (g)(2) & (g)(3)

Paragraph (g)(1) states that the following engineering controls and work practices must be implemented:

- a) vacuum cleaners equipped with high efficiency particulate air filters to collect all debris and dust;
- b) wet methods, or wetting agents to control employee exposure during asbestos handling, mixing, removal, cutting, application and cleanup; and
- c) prompt cleanup and disposal of wastes and debris contaminated with asbestos in leak-tight containers.

Paragraph (g)(2) states that in addition to the above requirements the following control methods must be implemented to be in compliance the time-weighted average (TWA) permissible exposure limit and excursion limit as set forth in the Standard:

- a) local exhaust ventilation equipped with HEPA filter dust collection systems;
- b) enclosure or isolation of processes producing asbestos dust;
- c) ventilation of the work area to move contaminated air away from the breathing zone of employees and toward a filtration collection device equipped with a HEPA filter;
- d) use of other feasible OSHA accepted work practices and engineering controls; and
- e) use of respiratory protection when the above stated engineering controls and work practices are not sufficient to reduce employee exposures below the permissible exposure limit and/or excursion limit.

Paragraph (g)(3) states that the following work practices and engineering controls must not be for work related to asbestos or for work which disturbs ACMs:

- a) high-speed abrasive disc saws that are not equipped with point-of-cut ventilator or enclosures with HEPA filtered exhaust air;
- b) compressed air unless the compressed air is used in conjunction with an enclosed ventilation system designed to capture the dust cloud created by the compressed air;
- c) dry sweeping, shoveling or other dry cleanup of dust and debris containing ACMs; and
- d) employee rotation as a means of reducing employee exposure to asbestos.