



CUY-90-14.90

PID 77332/85531


APPENDIX EC-25

**Regulated Materials Investigation for
PPN 004-27-003
(Contract Document)**

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

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

Revision Date: June 14, 2010

 - Addendum No. 6 - New Appendix



HZW ENVIRONMENTAL
CONSULTANTS, LLC

June 14, 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 Distribution Terminal Warehouse Buildings Located at 2000 West 14th Street, Cleveland, Cuyahoga County, Ohio (H10002-05)

Dear Mr. Carpenter:

HZW Environmental Consultants, LLC (HzW) is pleased to submit this letter report which presents the findings of a Regulated Materials Investigation conducted at The Distribution Terminal Warehouse buildings located at 2000 West 14th Street, Cleveland, Cuyahoga County, Ohio, herein collectively referred to as the "subject buildings". The subject buildings are comprised of three (3) structures consisting of a twelve-story cold storage building, a one-story ice house, and a one-story boiler building, herein referred to individually as the "Cold Storage Building", "Ice House" and "Boiler Building", respectively. The purpose of the Regulated Materials Investigation was to identify building materials that contain asbestos, regulated hazardous materials, as well as document the presence of any aboveground and underground storage tanks not previously identified at the subject buildings prior to the buildings being manually demolished. However, it should be noted that, prior to HzW being retained to perform the Regulated Materials Investigation, the Boiler Building had been manually demolished. Only a debris pile remains where the building once stood.

METHODS OF INVESTIGATION

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

As part of the Regulated Materials Investigation, HzW reviewed the findings of URS's Phase II Environmental Site Assessment (ESA) report. In addition to this review, HzW performed a visual inspection of the subject buildings to identify any aboveground and/or underground storage tanks (ASTs/USTs) that had not been previously identified as part of the Phase II ESA findings. Any such findings were documented by HzW as part of our Regulated Materials Investigation.

Asbestos Survey

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

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 subject building were quantified and documented.

FINDINGS

During the period that the subject buildings were being surveyed, the Ice House building caught on fire. The cause of the fire is still unknown to date. Fire damage occurred to both the interior and exterior of the building. A photographic log depicting various views of the subject buildings 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 no evidence indicative of USTs is present on The Distribution Terminal Warehouse Building site based on the findings of a geophysical survey. Additionally, the URS Phase II ESA indicated that, 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 for soil analytical results. However, according to the URS Phase II ESA, the detected concentrations of several semi-volatile organic compounds (SVOCs) consisting of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and indeno(1,2,3-cd)pyrene in two (2) groundwater samples exceeded VAP Generic Unrestricted Potable Use Standards and/or BUSTR Closure Action Levels.

Based on the findings of the visual inspection conducted in April, May and June 2010, HzW identified no ASTs or any evidence indicating USTs were located at the subject buildings.

Asbestos Survey

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

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

Cold Storage Building

1. Approximately 16 square feet of **insulation paper** on electrical switch panels located in the Penthouses was identified as containing from 60 to 70 percent asbestos. The insulation paper was considered to be in good condition.
2. Approximately 432 square feet of **transite** located adjacent to the freight accesses on the 12th, 11th, and 10th floors was identified as containing from 25 to 30 percent asbestos. The transite was considered to be in good to fair condition.
3. Approximately 40,304 square feet of **skim-coated thick tar layer on fluffy cork-like ceiling material** located on the 8th floor was identified as containing from 5.1 to 15 percent asbestos. The skim-coated thick tar layer on fluffy cork-like material was considered to be in good condition.
4. Approximately 1,625 square feet of **texture on Styrofoam** on ceiling and walls located in Northwest Freight Access on the 8th Floor was identified as containing from 1.6 to 2.3 percent asbestos. The texture on Styrofoam was considered to be in poor condition.
5. Approximately 1,008 square feet of skim-containing over blue foam board located in the Northeast Freight Access on the 7th Floor was identified as containing from 1.2 to 2.5 percent asbestos. The skim-containing over blue foam board was considered to be in fair condition.

6. Approximately 200 square feet of **9-inch by 9-inch, yellow floor tile and mastic** located on the 5th Floor were identified as containing from 6.3 to 6.8 percent asbestos in the floor tile and from 3.8 to 4.3 percent asbestos in the mastic layer. The floor tile and mastic were considered to be in poor condition.
7. Approximately 2,380 square feet of **1-foot by 1-foot ceiling tile glue** located on the 5th Floor was identified as containing from 1.8 to 2.2 percent asbestos. The glue was considered to be brittle, hence in poor condition.
8. Approximately 2,380 square feet of **9-inch by 9-inch green floor tile** located on the 5th Floor was identified as containing from 4.8 to 5.3 percent asbestos. The mastic was identified as containing no asbestos. The floor tile and mastic were considered to be in poor condition.
9. Approximately 1,600 square feet of **heavy tar on cork ceiling** located on the 4th Floor was identified as containing 20 percent asbestos. The heavy tar on cork was considered to be in good condition.
10. Approximately 400 square feet of **textured blue foam board insulation on ceiling** located on the 4th Floor was identified as containing from 2.0 to 2.3 percent asbestos. The texture on blue foam board insulation was considered to be in fair to poor condition.
11. Approximately 426 square feet of **12-inch by 12-inch, white floor tile** located in the Northwest area of the 4th Floor was identified as containing from 1.3 to 1.5 percent asbestos. The mastic was identified as containing no asbestos. The floor tile was considered to be in poor condition.
12. Approximately 24 linear feet of **pipe and fitting insulation** located in the Northeast area of the 4th Floor was identified as containing 40 percent asbestos and 70 percent asbestos, respectively. The pipe and fitting insulation were considered to be in poor condition.
13. Approximately 144 square feet of **9-inch by 9-inch green floor tile** located in the Northeast Office Area of the 4th Floor was identified as containing from 4.5 to 4.8 percent asbestos. The mastic was identified as containing no asbestos. The floor tile was considered to be in good condition.
14. Approximately 200 square feet and 500 square feet of **12-inch by 12-inch white floor tile** located in the North Office Area under debris piles was identified as containing from 2.1 to 2.3 percent asbestos. The mastic was identified as containing no asbestos. The floor tile was considered to be in fair to poor condition.
15. Approximately 1,148 linear feet of **pipe and fitting insulation** located on the Third Floor was identified as containing 80 percent asbestos. The pipe and fitting insulation was considered to be in poor condition. Asbestos-containing pipe and fitting insulation debris was identified throughout the floor and in various debris piles on this floor.
16. Approximately 1,400 square feet of **wall and ceiling plaster on foam insulation board** located in a Second Floor cooler was identified as containing from 1.2 to 1.3 percent asbestos. The wall and ceiling plaster was considered to be in good condition.
17. Approximately 96 square feet and 144 square feet of **9-inch by 9-inch brown floor tile** located on the Second Floor were identified as containing from 4.3 to 5.1 percent asbestos in the floor tile and from 2.3 to 3.3 percent asbestos in the mastic. 144 square feet of the floor tile and mastic was identified in poor condition while the remaining was considered to be in good condition.
18. Approximately 12 linear feet of **pipe and fitting insulation** located on a large stand pipe on the Second Floor was identified as containing a trace to 1.1 percent asbestos and from 20 to 30 percent asbestos, respectively. The pipe and fitting insulation was considered to be in good condition.
19. One (1) cooler door was identified as containing from 80 to 85 percent asbestos in the **door insulation** located at the bottom of the door. The remaining six (6) doors which are similar are assumed to contain the same asbestos-containing door insulation. The door insulation was considered to be in fair condition.

20. Approximately 60 linear feet of **pipe and fitting insulation** located on the ground intermixed with debris inside the Tunnel was identified as containing from 7.5 to 10 percent asbestos in poor condition. It should be noted that HzW was unable to walk the entire length of Tunnel due to it not being inaccessible. If the Tunnel extends further than what HzW could visually see, then additional pipe and fitting insulation may be present.
21. Approximately 50 linear feet of **pipe and fitting insulation** located on the ground intermixed with debris outside under the North overhang was identified as containing from 30 percent asbestos. The pipe and fitting insulation was considered to be in poor condition.
22. **Wire insulation** in electrical switch panels located in the four (4) Penthouses was *assumed* to contain asbestos. Approximately 160 linear feet of ½-inch wire insulation was identified and was considered to be in good condition.
23. **Ebony board and transite debris** located in the four (4) Penthouses were *assumed* to contain asbestos. Approximately 4 square feet of the ebony board and transite debris was identified on the ground in the Penthouses.
24. **Transite board** located in a Second Floor cooler was *assumed* to contain asbestos. Approximately 32 square feet of the transite board was identified. The transite board was considered to be in good condition.
25. Twenty-five (25) to thirty (30) **bags of pipe and fitting insulation** located on the Second Floor are **assumed** to contain asbestos in poor condition. Also *assumed*, is an additional 50 linear feet of **pipe and fitting insulation**, in poor condition, located on the ground and intermixed with debris piles throughout this floor.
24. Pipe and fitting insulation located on the Ground Floor is *assumed* to contain asbestos. Approximately 50 linear feet of pipe and fitting insulation was identified. The pipe and fitting insulation was considered to be in poor condition. The pipe and fitting insulation is located on the ground and intermixed with debris piles throughout this floor.
25. **12-inch by 12-inch floor tile** and **1-foot by 1-foot ceiling tile** located in the Ground Floor storage room, piled on a shelf and the floor, are *assumed* to contain asbestos. Approximately 40 floor tiles and 20 ceiling tiles are estimated to be located in the storage room. The floor tiles and ceiling tiles were considered to be in good condition.
26. **Transite debris** located on the ground in the Northeast corner of the Ground Floor was *assumed* to contain asbestos. Approximately 2 square feet of the transite debris was identified on the ground.
27. **Transite and wire insulation** located in an air compressor panel on the ground floor was *assumed* to contain asbestos. Approximately 1 square foot of transite and 4 linear feet of wire insulation was identified in the panel. The transite and wire insulation was considered to be in good condition.
28. **Built-up roof decking** and **tarred roof flashing** associated with the roof of the Cold Storage Building were *assumed* to contain asbestos. Approximately 40,304 square feet of roof decking and 2,454 square feet of tarred roof flashing were identified. Both roofing materials were considered to be in good condition.

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

- skim-coated wall plaster on tar & fluffy cork-like material located on the 9th and 8th floors
- skim-coating ONLY over wall plaster on tar and cork located in Southeast Freight Access on the 7th Floor
- floor tile (12-inch by 12-inch brown) located in the 4th Floor, SE Entrance Hallway
- floor tile (12-inch by 12-inch, reddish brown) located in the 4th Floor North open area under debris
- floor tile (12-inch by 12-inch, red brick pattern) located on the 4th Floor
- floor tile (12-inch by 12-inch, brown) located in the 3rd Floor, Front Office Area and Hallway

Ice House Building

None of the visible suspect building materials, remaining following the fire and subsequently sampled, were identified as containing asbestos.

Boiler Building

None of the visible suspect building materials, remaining following the building's demolition and subsequently sampled, were identified as containing asbestos.

In addition, it should be noted that demolition of the ceilings and walls at the Cold Storage Building and Ice House Building may reveal additional suspect asbestos-containing materials. In addition, disturbance of any debris piles located on the 4th floor through the ground floor of the Cold Storage Building may reveal additional suspect asbestos-containing materials.

Hazardous Materials Survey

The findings from the hazardous materials survey for the subject buildings are outlined in the table, below. It should be noted that the hazardous materials listed in the table below were all identified in the Cold Storage Building. No hazardous materials were identified in the Ice House or within the debris pile where the Boiler Building once stood.

Floor	PCBs Containing Equipment: 1) Fluorescent light ballasts	Heavy Metal Containing Equipment: 1) Fluorescent light lamps (mercury-containing) 2) High Intensity Discharge Lamps 3) Thermostats (mercury-containing) 4) Batteries in Emergency Lighting	Any other Hazardous or Regulated Material: 1) Fire Extinguishers 2) Misc. Chemicals
Penthouse			1) 3 2) 1- can oil; multiple containers of elevator oil (10 gallons); misc. spray cans
12 th Floor			2) 1- Propane can

Floor	PCBs Containing Equipment: 1) Fluorescent light ballasts	Heavy Metal Containing Equipment: 1) Fluorescent light lamps (mercury-containing) 2) High Intensity Discharge Lamps 3) Thermostats (mercury-containing) 4) Batteries in Emergency Lighting	Any other Hazardous or Regulated Material: 1) Fire Extinguishers 2) Misc. Chemicals
7 th Floor	1) 62	1) 110	
5 th Floor	1) 2	1) 4	
3 rd Floor			2) 1 gallon floor cleaner; 1 gallon lime solvent; 2 gallons floor sealer; and 5 gallons floor finish
2 nd Floor	1) 114	1) 138	1) 5 2) 2 pallets of joint compound; 2 pallets of paint, 3 5-gallon containers of paint, many large and small cans of paint and spray paint; 1 bag of joint compound; 1 room full of paint; 50 broken computer monitors
Ground Floor	1) 28	1) 36 4) 1	1) 4 2) 4-55-gallon drums (unknown); various oils, antifreeze; 3 bags of cement-like powder; 5 gallon container of coating; 2 gallons lubricant; 1 gallon elevator oil; 1 55-gallon drum of lubricant & hydraulic oil; 1 can graphite; 1 bag joint compound; 1 55-gallon drum of oil; 2 gallons super Therm; 5 gallons paint; 1 bucket of a white solid; many tubes of multipurpose adhesive; 3 cans of acrylic and wax remover; 2 tanks of Freon, 1 jar Glycerin; 8 adhesive tubes; 1 bag Morton Salt 6 1-gallon rusted containers (door liquid closer); 8 5-gallon containers of lube; 1 5-gallon container (unknown); 15-20 paint containers; 2 55-gallon drums of white solid; 1 5-gallon container (unknown); 2 40-gallon containers (unknown); 3 containers of pure raw linseed oil; 1 5-gallon container (unknown); 2 55-gallon drums (unknown)

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 (i.e. window glazing), 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

Based on the findings of the URS Phase II ESA, no USTs are known to remain on site. Soil analytical results indicate that plan notes pertaining to the management and/or disposal of on-site soils would not be required. However, plan notes should be prepared to properly manage and dispose of groundwater impacted with petroleum constituents should groundwater 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 subject buildings, 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 listed in "red" font on HzW's Asbestos Bulk Sampling Information forms, and which are included as Attachment 1, prior to demolition activities commencing. If the nonfriable asbestos-containing materials identified in good condition have the potential to 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 being performed which will involve the disturbance of 160 square feet or 260 linear feet of RACM and ten (10) days prior to any demolition activities. HzW has completed the OEPA Notification of Demolition and Renovation form for the Cold Storage Building and Ice House 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 at the subject buildings. ODH defines an asbestos hazard abatement activity as any activity involving the removal, renovation, enclosure, repair or encapsulation of reasonably related friable ACMs in an amount greater than fifty (50) linear feet or fifty (50) square feet.
5. If any of the building materials located at the subject buildings are to be recycled (i.e., concrete) and they were identified during the asbestos survey as being covered with an asbestos-containing material, then in order for these materials to be recycled, the asbestos-containing material must be abated first.
6. If applicable, and as indicated in the OEPA "Notification of Demolition and Renovation" form, Section XVII, ensure that an individual trained in the provisions of NESHAP is on site during the demolition activities. This individual would need to be certified by the ODH as an Asbestos Hazard Evaluation Specialist.

7. Prior to demolition of the subject buildings, notify the demolition contractor of the assumed asbestos-containing materials and the building materials identified as containing less than 1 percent asbestos that are to remain in the subject buildings 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, 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 fire extinguishers should be handled in accordance with OSHA's Liquefied Petroleum Gas Standard (29 CFR 1926.153).
5. The electric motors associated with the elevators were assumed to contain oil and should be characterized and subsequently disposed of in accordance with federal, state and local regulations.
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

ATTACHMENT 1

PHOTOGRAPIC LOG



Photograph 01

Aerial View of The Distribution Terminal Warehouse Buildings,
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 02

View Looking South at the North Side of the Cold Storage Building,
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)





Photograph 03

View Looking South at the North Side of the Ice House Building,
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 04

View Looking North at the South Side of the Cold Storage Building
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)





Photograph 05

View Looking North at the East Side of the Cold Storage Building
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 06

View Looking at the North end of the 3rd Floor of the Cold Storage Building
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 07

View Looking at the North end of the 3rd^h Floor of the Cold Storage Building
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 08

View Looking West at the North end of the 4th Floor of the Cold Storage Building
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)



Photograph 09

View Looking West at a North end Office on the 4th Floor of the Cold Storage Building
2000 West 14th Street, Cleveland, Ohio (CCG1 Design PID 77332)



H2W Environmental Services

ATTACHMENT 2

ASBESTOS BULK SAMPLING INFORMATION FORM

**ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-05**

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION			AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	
01	Cold Storage Building	Insulation Paper	Penthouse – Electrical Switch Panels		X		16 sq.ft.						60	
02	"	Insulation Paper	Penthouse – Electrical Switch Panels		X		"						60	
03	"	Insulation Paper	Penthouse – Electrical Switch Panels		X		"						70	
04	"	Skim-Coated Ceiling Plaster on Tar & Cork	12 th Floor, Ribbon around Freight Access										ND	
08	"	Skim-Coated Ceiling Plaster on Tar & Cork	12 th Floor, Ribbon around Freight Access										ND	
09	"	Skim-Coated Ceiling Plaster on Tar & Cork	10 th Floor										ND	
05	"	Skim-Coated Ceiling Plaster on Tar & Cork	10 th Floor										ND	
06	"	Skim-Coated Ceiling Plaster on Tar & Cork	9 th Floor, Ribbon around Freight Access										ND	
10	"	Skim-Coated Ceiling Plaster on Tar & Cork	9 th Floor, Ribbon around Freight Access										ND	
07	"	Skim-Coated Ceiling Plaster on Tar & Cork	9 th Floor										ND	
11	"	Skim-Coated Wall Plaster on Tar & Cork	12 th Floor										ND	
15	"	Skim-Coated Wall Plaster on Tar & Cork	12 th Floor										ND	
12	"	Skim-Coated Wall Plaster on Tar & Cork	10 th Floor										ND	

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS
16	Cold Storage Building	Skim-Coated Wall Plaster on Tar & Cork	10 th Floor										ND
13	"	Skim-Coated Wall Plaster on Tar & Cork	9 th Floor										ND
14	"	Skim-Coated Wall Plaster on Tar & Cork	9 th Floor										ND
17	"	Skim-Coated Wall Plaster on Tar & Cork	9 th Floor										ND
18	"	Transite	12 th , 11 th Floor			X	432 sq.ft.	----->					25
20	"	Transite	10 th Floor			X	"	----->					30
227	"	Skim-Coating on Concrete Ceiling	12 th Floor										ND
228	"	Skim-Coating on Concrete Ceiling	12 th Floor										ND
229	"	Skim-Coating on Concrete Ceiling	12 th Floor										ND
230	"	Skim-Coating on Concrete Ceiling	12 th Floor										ND
231	"	Skim-Coating on Concrete Ceiling	12 th Floor										ND
232	"	Skim-Coating on Concrete Ceiling	10 th Floor										ND
233	"	Skim-Coating on Concrete Ceiling	10 th Floor										ND
234	"	Skim-Coating on Concrete Ceiling	10 th Floor										ND
222	"	Skim-Coating on Concrete Ceiling	9 th Floor										ND

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
 ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT	
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	RESULT
223	Cold Storage Building	Skim-Coating on Concrete Ceiling	9 th Floor											ND
224	"	Skim-Coating on Concrete Ceiling	9 th Floor											ND
225	"	Skim-Coating on Concrete Ceiling	9 th Floor											ND
226	"	Skim-Coating on Concrete Ceiling	9 th Floor											ND
82	"	Skim-Coated Wall Plaster on Tar & Fluffy Cork-Like Material	9th Floor											0.5 ND
83	"	Skim-Coated Wall Plaster on Tar & Fluffy Cork-Like Material	9th Floor											ND ND
84	"	Skim-Coated Wall Plaster on Tar & Fluffy Cork-Like Material	9th Floor											0.5 ND
85	"	Skim-Coated Wall Plaster on Tar & Fluffy Cork-Like Material	9th Floor											ND ND
86	"	Skim-Coated Wall Plaster on Tar & Fluffy Cork-Like Material	9th Floor											ND ND
95	"	Skim-Coated Wall Plaster on Tar & Fluffy Cork-Like Material	8th Floor – Area 7											ND ND 0.3
96	"	Skim-Coated Wall Plaster on Tar & Fluffy Cork-Like Material	8th Floor – Area 7											ND ND ND
217	"	Skim-Coating ONLY (over Wall Plaster on Tar & Fluffy Cork-Like Material)	8 th Floor											ND
218	"	Skim-Coating ONLY (over Wall Plaster on Tar & Fluffy Cork-Like Material)	8 th Floor											ND

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
 ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT		
													HOMOGENEOUS AREA		FUNCTIONAL SPACE
219	Cold Storage Building	Skim-Coating ONLY (over Wall Plaster on Tar & Fluffy Cork-Like Material)	8 th Floor												ND
90	"	Skim-Coated Thick Tar Layer on Fluffy Cork-Like Ceiling Material	8th Floor			X		40,304 sq.ft.							15
91	"	Skim-Coated Thick Tar Layer on Fluffy Cork-Like Ceiling Material	8th Floor			X		"							5.1
92	"	Skim-Coated Thick Tar Layer on Fluffy Cork-Like Ceiling Material	8th Floor			X		"							10
93	"	Skim-Coated Thick Tar Layer on Fluffy Cork-Like Ceiling Material	8th Floor			X		"							10
94	"	Skim-Coated Thick Tar Layer on Fluffy Cork-Like Ceiling Material	8th Floor			X		"							10
220	"	Skim-Coating ONLY (over Thick Tar Layer on Fluffy Cork-Like Ceiling Material)	8 th Floor												ND
221	"	Skim-Coating ONLY (over Thick Tar Layer on Fluffy Cork-Like Ceiling Material)	8 th Floor												ND
210	"	Skim-Coating ONLY (over Wall Plaster on Tar & Cork)	7 th Floor												ND
212	"	Skim-Coating ONLY (over Wall Plaster on Tar & Cork)	7 th Floor												ND
211	"	Skim-Coating on Concrete Ceiling	7 th Floor												ND
213	"	Skim-Coating on Concrete Ceiling	7 th Floor												ND

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
 ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS
87	Cold Storage Building	Skim-Coated Wood	9th Floor, 8th Floor, 7th Floor										ND
88	"	Skim-Coated Wood	9th Floor, 8th Floor, 7th Floor										ND
89	"	Skim-Coated Wood	9th Floor, 8th Floor, 7th Floor										ND
97	"	Texture on Styrofoam on Ceiling and Walls, Debris on Ground	8th Floor – Freight Access 2			X			1,625 sq.ft.				1.8
98	"	Texture on Styrofoam on Ceiling and Walls, Debris on Ground	8th Floor – Freight Access 2			X			"				1.6
99	"	Texture on Styrofoam on Ceiling and Walls, Debris on Ground	8th Floor – Freight Access 2			X			"				2.3
100	"	Plaster Coating on Orange Tile Walls	8th Floor – Freight Access 2										ND
101	"	Plaster Coating on Orange Tile Walls	8th Floor – Freight Access 2										ND
102	"	Plaster Coating on Orange Tile Walls	8th Floor – Freight Access 2										ND
103	"	Skim-Coating ONLY (over Wall Plaster on Tar & Cork)	7th Floor – Freight Access 4										ND
104	"	Skim-Coating ONLY (over Wall Plaster on Tar & Cork)	7th Floor – Freight Access 4										ND
105	"	Skim-Coating ONLY (over Wall Plaster on Tar & Cork)	7th Floor – Freight Access 4										Trace
106	"	Skim-Coating over Blue Foam Board	7th Floor – Freight Access 3			X			1,008 sq.ft.				1.3
107	"	Skim-Coating over Blue Foam Board	7th Floor – Freight Access 3			X			"				1.6
108	"	Skim-Coating over Blue Foam Board	7th Floor – Freight Access 3			X			"				1.2

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
 ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION			AHERA CATEGORY			QUANTITY & CONDITION				POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS		
207	"	Skim-Coating over Blue Foam Board	7th Floor – Freight Access 3			X							2.5		
208	Cold Storage Building	Skim-Coating over Blue Foam Board	7th Floor – Freight Access 3			X							2.1		
209	"	Skim-Coating over Blue Foam Board	7th Floor – Freight Access 3			X							2.3		
200	"	Joint Compound-Like Material Used to Adhere Cork to Ceiling	6 th Floor										ND		
201	"	Joint Compound-Like Material Used to Adhere Cork to Ceiling	6 th Floor										ND		
202	"	Joint Compound-Like Material Used to Adhere Cork to Ceiling	6 th Floor										ND		
203	"	Joint Compound-Like Material Used to Adhere Cork to Ceiling	6 th Floor										ND		
204	"	Joint Compound-Like Material Used to Adhere Cork to Ceiling	6 th Floor										ND		
205	"	Joint Compound-Like Material Used to Adhere Cork to Ceiling	6 th Floor										ND		
206	"	Joint Compound-Like Material Used to Adhere Cork to Ceiling	6 th Floor										ND		
109	"	Window Glazing	5th Floor										ND		
110	"	Window Glazing	5th Floor										ND		
111	"	Window Glazing	5th Floor										ND		
112	"	Window Caulking	5th Floor										ND		
113	"	Window Caulking	5th Floor										ND		

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION			AHERA CATEGORY			QUANTITY & CONDITION				POTENTIAL FOR DISTURBANCE			RESULT	
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	ASBESTOS		
114	"	Window Caulking	5th Floor												ND	
115	Cold Storage Building	Floor Tile – 9-inch by 9-inch, Yellow Mastic	5th Floor			X			200 sq.ft.						6.3	
116	"	Floor Tile – 9-inch by 9-inch, Yellow Mastic	5th Floor			X			"						3.8	
117	"	Tan Skim Coat on Blue Foam Board	5th Floor												6.8	
118	"	Tan Skim Coat on Blue Foam Board	5th Floor												4.3	
119	"	Tan Skim Coat on Blue Foam Board	5th Floor												ND	
120	"	Drywall Associated with Skim Coated Blue Foam Board	5th Floor												ND	
121	"	Drywall Associated with Skim Coated Blue Foam Board	5th Floor												ND	
122	"	Drywall Associated with Skim Coated Blue Foam Board	5th Floor												ND	
123	"	Ceiling Tile – 1-foot by 1-foot, Holes Glue	5th Floor			X			2,380 sq.ft.						ND	
124	"	Ceiling Tile – 1-foot by 1-foot, Holes Glue	5th Floor			X			"						2.1	
125	"	Ceiling Tile – 1-foot by 1-foot, Holes Glue	5th Floor			X			"						ND	
126	"	Floor Tile – 9-inch by 9-inch, Green Mastic	5th Floor			X			2,380 sq.ft.						2.2	
127	"	Floor Tile – 9-inch by 9-inch, Green Mastic	5th Floor			X			"						4.8	
															ND	
															5.3	
															ND	

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
 ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION			AHERA CATEGORY			QUANTITY & CONDITION				POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS		
190	Cold Storage Building	Heavy Tar on Cork Ceiling	4 th Floor			X	1,600 sq.ft.						20		
191	"	Heavy Tar on Cork Ceiling	4 th Floor			X	"						20		
192	"	Heavy Tar on Cork Ceiling	4 th Floor			X	"						20		
193	"	Texture on Blue Foam Board Ceiling	4 th Floor			X	400 sq.ft.		→				2.1		
194	"	Texture on Blue Foam Board Ceiling	4 th Floor			X	"		→				2.0		
195	"	Texture on Blue Foam Board Ceiling	4 th Floor			X	"		→				2.3		
128	"	Ceiling Tile – 2-foot by 4-foot, Plain	4th Floor – SE Entrance Hallway										ND		
129	"	Ceiling Tile – 2-foot by 4-foot, Plain	4th Floor – SE Entrance Hallway										ND		
130	"	Ceiling Tile – 2-foot by 4-foot, Plain	4th Floor – SE Office										ND		
131	"	Floor Tile – 12-inch by 12-inch, Brown Mastic	4th Floor – SE Entrance Hallway			X	108 sq.ft.						Trace		
132	"	Floor Tile – 12-inch by 12-inch, Brown Mastic	4th Floor – SE Entrance Hallway			X	"						0.3		
133	"	Stair Tread Cover – Brown Mastic	4th Floor – SE Entrance Stairs										ND		
134	"	Stair Tread Cover – Brown Mastic	4th Floor – SE Entrance Stairs										ND		
135	"	Ceiling Tile – 2-foot by 4-foot, Pin Holes & Fissures	4th Floor – SE Bathrooms										ND		
136	"	Ceiling Tile – 2-foot by 4-foot, Pin Holes & Fissures	4th Floor – SE Bathrooms										ND		

**ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-05**

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS
137	"	Ceiling Tile – 2-foot by 4-foot, Pin Holes & Fissures	4th Floor – SE Bathrooms										ND
138	Cold Storage Building	Floor Tile -12-inch by 12-inch, Many Colors, Mastic	4th Floor – SE Bathrooms										ND
139	"	Floor Tile -12-inch by 12-inch, Many Colors, Mastic	4th Floor – SE Bathrooms										ND
140	"	Drywall System	4th Floor – SE Office Area										ND
141	"	Drywall System	4th Floor – SE Office Area										ND
142	"	Drywall System	4th Floor – SE Office Area										ND
142A	"	Drywall System	4th Floor – SE Office Area										ND
142B	"	Drywall System	4th Floor – SE Office Area										ND
143	"	Floor Tile – 12-inch by 12-inch, Bluish Gray Mastic (2 Layers of Flooring)	4th Floor – SE Office Area										ND
144	"	Floor Tile – 12-inch by 12-inch, Bluish Gray Mastic (2 Layers of Flooring)	4th Floor – SE Office Area										ND
145	"	Ceiling Tile – 1-foot by 1-foot, Rough Texture Glue	4th Floor – SE Office Area										ND
146	"	Ceiling Tile – 1-foot by 1-foot, Rough Texture Glue	4th Floor – SE Office Area										ND
147	"	Ceiling Tile – 1-foot by 1-foot, Rough Texture Glue	4th Floor – SE Office Area										ND
149	"	Wall Plaster	4th Floor – SE Office Area										ND

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS
150	"	Wall Plaster	4th Floor – SE Office Area										ND
151	"	Wall Plaster	4th Floor – SE Office Area										ND
152	Cold Storage Building	Wall Plaster	4th Floor – SE Office Area										ND
153	"	Drywall	4th Floor – Ken Fishers' Office										ND
154	"	Drywall	4th Floor – Ken Fishers' Office										ND
155	"	Drywall	4th Floor – Ken Fishers' Office										ND
156	"	Floor Tile – 12-inch by 12-inch, White Mastic	4th Floor – Ken Fishers' Office										ND
157	"	Floor Tile – 12-inch by 12-inch, White Mastic	4th Floor – Ken Fishers' Office										ND
158	"	Pipe Insulation with Wool Hair	4th Floor										ND
159	"	Floor Tile – 12-inch by 12-inch, White Mastic	4th Floor – NW Area, also in adjacent debris pile			X			426 sq.ft.				1.3
160	"	Floor Tile – 12-inch by 12-inch, White Mastic	4th Floor – NW Area, also in adjacent debris pile			X			"				1.5
161	"	Floor Sheeting – Thick, Tan/Yellow	4th Floor – North Open Area Under Debris Piles										ND
162	"	Floor Sheeting – Thick, Tan/Yellow	4th Floor – North Open Area Under Debris Piles										ND
163	"	Floor Tile – 12-inch by 12-inch, Reddish Brown Mastic	4th Floor – North Open Area Under Debris Piles			X	1,155 sq.ft.						Trace
													ND

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION				POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	
164	"	Floor Tile – 12-inch by 12-inch, Reddish Brown Mastic	4th Floor – North Open Area Under Debris Piles			X	"						Trace	
165	Cold Storage Building	Drywall System	4th Floor – North Open Area Under Debris Piles										ND	
166	"	Drywall System	4th Floor – North Open Area Under Debris Piles										ND	
167	"	Drywall System	4th Floor – North Open Area Under Debris Piles										ND	
170	"	Pipe Insulation - Mag	4th Floor – Open Area, NE Section, Also Debris on Floor		X				24 in.ft.				40	
171	"	Pipe Insulation - Mag	4th Floor – Open Area, NE Section, Also Debris on Floor		X				"				40	
172	"	Pipe Insulation - Mag	4th Floor – Open Area, NE Section, Also Debris on Floor		X				"				40	
173	"	Fitting Insulation	4th Floor – Open Area, NE Section, Also Debris on Floor		X				"				70	
174	"	Fitting Insulation	4th Floor – Open Area, NE Section, Also Debris on Floor		X				"				70	
175	"	Fitting Insulation	4th Floor – Open Area, NE Section, Also Debris on Floor		X				"				70	
176	"	Floor Tile – 9-inch by 9-inch, Green Mastic	4th Floor – NE Office			X	144 sq.ft.						4.8	
177	"	Floor Tile – 9-inch by 9-inch, Green Mastic	4th Floor – NE Office			X	"						ND	
													4.5	
													ND	

**ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-05**

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS
178	"	Floor Tile -12-inch by 12-inch, White Mastic	4th Floor – North Office Area, Under Debris Pile			X	200 sq.ft.	500 sq.ft.					2.3
179	"	Floor Tile -12-inch by 12-inch, White Mastic	4th Floor – North Office Area Under Debris Pile			X	"	"					ND
180	Cold Storage Building	Floor Sheeting – Black Leveling Compound	4th Floor										2.1
181	"	Floor Sheeting – Black Leveling Compound	4th Floor										ND
182	"	Floor Tile -12-inch by 12-inch, Red Brick Pattern, Mastic	4th Floor			X	300 sq.ft.						ND
183	"	Floor Tile -12-inch by 12-inch, Red Brick Pattern, Mastic	4th Floor			X	"						0.3
184	"	Window Glazing - Red	4th Floor										ND
185	"	Window Glazing - Red	4th Floor										Trace
186	"	Window Glazing - Red	4th Floor										ND
25	"	Pipe Insulation	3 rd Floor, On ground throughout floor		X								80
28	"	Fitting Insulation	3 rd Floor, On ground throughout floor		X								80
30	"	Wall Plaster	3 rd Floor – Front Office Area										ND
31	"	Wall Plaster	3 rd Floor – Front Office Area										ND
32	"	Wall Plaster	3 rd Floor – Front Office Area										ND
33	"	Drywall System	3 rd Floor – Front Office Area										ND
34	"	Drywall System	3 rd Floor – Front Office Area										ND

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.

ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

ID#	IDENTIFICATION LOCATION	MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT % ASBESTOS	
		HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW		
35	"	Drywall System	3 rd Floor – Front Office Area											ND
43	Cold Storage Building	Skim-Coated Ceiling Plaster	3 rd Floor - NE Stairwell											ND
44	"	Skim-Coated Ceiling Plaster	3 rd Floor - NE Stairwell											ND
45	"	Skim-Coated Ceiling Plaster	3 rd Floor - NE Stairwell											ND
46	"	Wall Plaster	3 rd Floor - NE Stairwell											ND
47	"	Wall Plaster	3 rd Floor - NE Stairwell											ND
48	"	Wall Plaster	3 rd Floor - NE Stairwell											ND
196	"	Floor Sheeting - Brown	3 rd Floor – Front Office											ND
197	"	Floor Sheeting - Brown	3 rd Floor – Front Office											ND
198	"	Floor Tile – 12-inch by 12-inch, Brown Mastic	3 rd Floor – Front Office Hallway				X			800 sq.ft.				0.5
199	"	Floor Tile – 12-inch by 12-inch, Brown Mastic	3 rd Floor – Front Office Hallway				X			"				0.5
53	"	Textured Drywall Wall	2 nd Floor											ND
54	"	Textured Drywall Wall	2 nd Floor											ND
55	"	Textured Drywall Wall	2 nd Floor											ND

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
 ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION				POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	
56	Cold Storage Building	Drywall System with Adhesive	2 nd Floor											ND
57	"	Drywall System with Adhesive	2 nd Floor											ND
58	"	Drywall System with Adhesive	2 nd Floor											ND
59	"	Drywall System	2 nd Floor											ND
60	"	Drywall System	2 nd Floor											ND
61	"	Drywall System	2 nd Floor											ND
235	"	Wall/Ceiling Plaster on Foam Insulation Board	2 nd Floor, Cooler			X	1,400 sq.ft.							1.2
236	"	Wall/Ceiling Plaster on Foam Insulation Board	2 nd Floor, Cooler			X	"							1.2
237	"	Wall/Ceiling Plaster on Foam Insulation Board	2 nd Floor, Cooler			X	"							1.3
62	"	Floor Tile – 9-inch by 9-inch, Brown, Mastic	2 nd Floor			X	96 sq.ft.		144 sq.ft.					5.1
63	"	Floor Tile – 9-inch by 9-inch, Brown, Mastic	2 nd Floor			X	"		"					2.3
64	"	Pipe Insulation – Large Stand Pipe	2 nd Floor		X		12 ln.ft.							3.3
65	"	Pipe Insulation – Large Stand Pipe	2 nd Floor		X		"							ND
67	"	Fitting Insulation – Large Stand Pipe	2 nd Floor		X		"							1.1
68	"	Fitting Insulation – Large Stand Pipe	2 nd Floor		X		"							ND
														ND
														Trace
														30
														20

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
 ND – No Asbestos Detected

**ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-05**

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION			AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	
69	"	Fitting Insulation – Large Stand Pipe	2 nd Floor		X		Refer to 64						30	
73	Cold Storage Building	Door Insulation	Ground Floor		X			7 Doors					80	
74	"	Door Insulation	Ground Floor		X			**					80	
75	"	Door Insulation	Ground Floor		X			*					85	
76	"	Drywall	Ground Floor										ND	
77	"	Drywall	Ground Floor										ND	
78	"	Drywall	Ground Floor										ND	
79	"	Drywall System	Ground Floor										ND	
80	"	Drywall System	Ground Floor										ND	
81	"	Drywall System	Ground Floor										ND	
187	"	Pipe Insulation – Rolled Cardboard	3 rd Floor										ND	
188	"	Pipe Insulation – Rolled Cardboard	3 rd Floor										ND	
189	"	Pipe Insulation – Rolled Cardboard	3 rd Floor										ND	
7	"	Pipe Insulation - Cardboard	Tunnel, in debris on ground		X				~60 in.ft.				10	
8	"	Pipe Insulation - Cardboard	Tunnel, in debris on ground		X				**				7.5	
9	"	Pipe Insulation - Cardboard	Tunnel, in debris on ground		X				**				8.0	
10	"	Pipe & Fitting Insulation	Exterior, Overhand Area, debris		X				~50 in.ft.				30	
11	"	Pipe & Fitting Insulation	Exterior, Overhand Area, debris		X				**				30	
12	"	Pipe & Fitting Insulation	Exterior, Overhand Area, debris		X				**				30	

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.
ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HZW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

IDENTIFICATION		MATERIAL CHARACTERIZATION			AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT
ID#	LOCATION	HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	% ASBESTOS	
	"	Wire Insulation	Penthouse – Electrical Switch Panels			X	160 In.ft.						Assumed	
	"	Ebony Board & Transitite Debris	Penthouses			X			4 sq.ft.				Assumed	
	Cold Storage Building	Transite Sheet	2 nd Floor Cooler			X	32 sq.ft.						Assumed	
	"	Pipe & Fitting Insulation -Debris	2 nd Floor – Throughout Floor		X				25 – 30 Bags & ~50 In.ft.				Assumed	
	"	Pipe & Fitting Insulation – Debris	Ground Floor – Throughout Floor		X				~50 In.ft.				Assumed	
	"	Floor Tile – 12-inch by 12-inch	Ground Floor – On Floor and Shelf			X	~40 Sheets						Assumed	
	"	Ceiling Tile – 1-foot by 1-foot	Ground Floor – On Shelf in Storage Room			X	~20 Panels						Assumed	
	"	Transite Debris	Ground Floor – On ground NE Corner			X			2 sq.ft.				Assumed	
	"	Transite & Wire Insulation	Ground Floor – Air Compressor Panel			X	1 sq.ft. & 4 In.ft.						Assumed	
	"	Built-up Roof Decking	Roof			X	40,304 sq.ft.						Assumed	
	"	Tarred Roof Flashing	Roof			X	2,454 sq.ft.						Assumed	
01	Ice House Building	Tarred Cork	Interior Insulation										ND	
02	"	Tarred Cork	Interior Insulation										ND	
03	"	Tarred Cork	Interior Insulation										ND	
04	"	Roofing Material	Main Roof										ND	
05	"	Roofing Material	Main Roof										ND	
06	"	Roofing Material	Main Roof										ND	
16	"	Roofing Material	Overhang Roof										ND	
17	"	Roofing Material	Overhang Roof										ND	

Red quantities indicate the asbestos-containing materials to be abated prior to demolition activities.

ND – No Asbestos Detected

ODOT District 12
Asbestos Survey – The Distribution Terminal Warehouse, 2000 West 14th Street, Cleveland, Ohio
HzW Environmental Consultants, LLC – Project No. H10002-05

Asbestos Bulk Sampling Information Form

ID#	IDENTIFICATION LOCATION	MATERIAL CHARACTERIZATION		AHERA CATEGORY			QUANTITY & CONDITION			POTENTIAL FOR DISTURBANCE			RESULT % ASBESTOS
		HOMOGENEOUS AREA	FUNCTIONAL SPACE	SUR.	TSI	MISC. F/NF	GOOD	FAIR	POOR	HIGH	MOD.	LOW	
18	"	Roofing Material	Overhang Roof										ND
13	Boiler House Building	Roofing Material	Main Roof										ND
14	"	Roofing Material	Main Roof										ND
15	"	Roofing Material	Main Roof										ND

ATTACHMENT 3

LABORATORY ANALYTICAL REPORT FOR BULK SAMPLES COLLECTED



**International Asbestos
Testing Laboratories**

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983622	Description / Location: Black Tar			
Client No.: 190				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	5	Cellulose	75

Lab No.: 3983623	Description / Location: Black Tar			
Client No.: 191				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	5	Cellulose	75

Lab No.: 3983624	Description / Location: Black Tar			
Client No.: 192				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	5	Cellulose	75

Lab No.: 3983625	Description / Location: White Texture			
Client No.: 193				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Approved By: _____

Date: 6/9/2010

Frank E. Ehrenfeld, III
Laboratory Director



CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983626 **Description / Location:** White Texture
Client No.: 194

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.0	Chrysotile	None Detected	None Detected	98

Lab No.: 3983627 **Description / Location:** White Texture
Client No.: 195

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.3	Chrysotile	None Detected	None Detected	PC 97.7

Lab No.: 3983628 **Description / Location:** Brown Flooring
Client No.: 196

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	3	Cellulose	97

Lab No.: 3983629 **Description / Location:** Brown Flooring
Client No.: 197

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	4	Cellulose	96

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983630	Description / Location: Brown Floor Tile			
Client No.: 198				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 3983630	Description / Location: Black Mastic			Layer No.: 2
Client No.: 198				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Cellulose	98

Lab No.: 3983631	Description / Location: Brown Floor Tile			
Client No.: 199				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 3983631	Description / Location: Black Mastic			Layer No.: 2
Client No.: 199				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	99

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983632 Description / Location: Off-White Joint Compound
Client No.: 200

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

Lab No.: 3983633 Description / Location: Off-White Joint Compound
Client No.: 201

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

Lab No.: 3983634 Description / Location: Off-White Joint Compound
Client No.: 202

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

Lab No.: 3983635 Description / Location: Off-White Joint Compound
Client No.: 203

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010



CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983636	Description / Location: Off-White Joint Compound		
Client No.: 204			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u> 100

Lab No.: 3983637	Description / Location: Off-White Joint Compound		
Client No.: 205			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u> 100

Lab No.: 3983638	Description / Location: Off-White Joint Compound		
Client No.: 206			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u> 100

Lab No.: 3983639	Description / Location: White Skim Coat		
Client No.: 207			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 2.5	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> PC 97.5

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983640 Description / Location: White Fibrous
Client No.: 208

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

Lab No.: 3983641 Description / Location: White Plaster
Client No.: 209

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.3	Chrysotile	None Detected	None Detected	PC 97.7

Lab No.: 3983642 Description / Location: White Plaster
Client No.: 210

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010



CERTIFICATE OF ANALYSIS

Client: HZW Environmental Consultants 6105 Heisley Rd. Mentor OH 44060	Report Date: 6/9/2010 Project: ODOT Cold Storage Project No.: H10002-05
---	--

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983643	Description / Location: Lt. Tan Plaster			
Client No.: 211				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983643	Description / Location: White Plaster			Layer No.: 2
Client No.: 211				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983644	Description / Location: White Plaster			
Client No.: 212				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by 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: E. Smith

Date: 6/9/2010



CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983645	Description / Location: White Plaster			
Client No.: 213				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983645	Description / Location: Tan Plaster			Layer No.: 2
Client No.: 213				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983646	Description / Location: White Plaster			
Client No.: 214				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983647	Description / Location: White Plaster			
Client No.: 215				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983648 Description / Location: White Plaster
Client No.: 216

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

Lab No.: 3983649 Description / Location: White Plaster
Client No.: 217

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

Lab No.: 3983650 Description / Location: White Plaster
Client No.: 218

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

Lab No.: 3983651 Description / Location: White Plaster
Client No.: 219

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010



CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983652	Description / Location: White Plaster			
Client No.: 220				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983653	Description / Location: White Plaster			
Client No.: 221				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 3983654	Description / Location: White Plaster			
Client No.: 222				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983655	Description / Location: White Plaster			
Client No.: 223				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983656 **Description / Location:** White Plaster
Client No.: 224

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

Lab No.: 3983657 **Description / Location:** White Plaster
Client No.: 225

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

Lab No.: 3983658 **Description / Location:** White Plaster
Client No.: 226

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

Lab No.: 3983659 **Description / Location:** White Plaster
Client No.: 227

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010



CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983660	Description / Location: White Plaster			
Client No.: 228				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983661	Description / Location: White Plaster			
Client No.: 229				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983662	Description / Location: White Plaster			
Client No.: 230				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983663	Description / Location: White Plaster			
Client No.: 231				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010



CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: HI10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983664		Description / Location: White Plaster		
Client No.: 232				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983665		Description / Location: White Plaster		
Client No.: 233				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983666		Description / Location: White Plaster		
Client No.: 234				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3983667		Description / Location: White Plaster		
Client No.: 235				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010



CERTIFICATE OF ANALYSIS

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

Report Date: 6/9/2010
Project: ODOT Cold Storage
Project No.: HI10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3983668	Description / Location: White Plaster			
Client No.: 236				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 3983669	Description / Location: White Plaster			
Client No.: 237				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: E. Smith

Date: 6/9/2010



Chain of Custody / Sample Log Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: H10002-05

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

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

Special Instructions: PO# 533-10

Matrix:

Air Water Soil Paint Bulk Surface Dust / Wipe Other _____

Analysis Method:

PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116

PLM : Point Counting

- PC : via ELAP 198.1
- PC : 400 Points
- PC : 800 Points *
- PC : other _____ Points *

PLM : Gravimetric Reduction

- PLM : NOB via 198.6
- PLM : Friable via EPA 600 2.3
- If <1% by PLM, to TEM via 198.4 *
- If <1% by PLM, Hold for Instructions

PLM : Analyze Until Positive (Positive Stop)

- AUP : by Homogenous Area as Noted
- AUP : by Material Type as Noted

PLM : Non-Building Material *, **(Dust, Wipe, Tape, Soil)

- Soil or Vermiculite Analysis *,**

PLM: Instructions for Multi-Layered Samples

- Analyze and Report All Separable Layers per EPA 600
- Report Composite for Drywall Systems per NESHAP
- Report All Layers and Composite Where Applicable
- Only Analyze and Report Specifically Noted Layer

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

Turnaround Time: Preliminary Results Requested By... _____ Verbals FAX Email

date / time

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

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

Sample Numbers:

Client #(s): 190 - 237 iATL#(s): _____ Total: 48

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

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

Chain of Custody:

Relinquished (Name / Organization): Mentor

Received (Name / iATL): _____

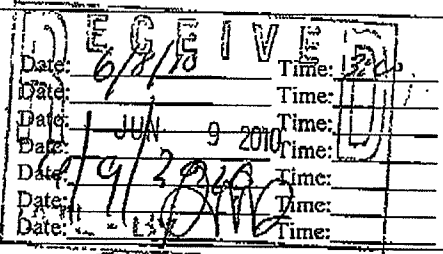
Sample Login (Name / iATL): M. L. Smith

Sample Prep (Name / iATL): _____

Analysis (Name(s) / iATL): E. Smith

QA/QC Review (Name / iATL): _____

Archived / Released: _____ QA/QC InterLAB Use: _____



@ 11:45 AM



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: HL0002-05

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
190	3983622	Top Layer	
191	3983623		
192	3983624		
193	3983625	TEXTURE MATERIAL	
194	3983626		
195	3983627		
196	3983628		
197	3983629	FLUX SHEETING	
198	3983630		
199	3983631	FT	
200	3983632		
201	3983633	Joint compound like material	
202	3983634		
203	3983635		
204	3983636		
205	3983637		
206	3983638		
207	3983639	SKIM COAT	
208	3983640		
209	3983641	SCAFFOLD COAT	
210	3983642		
211	3983643		
212	3983644		
213	3983645	SKIM COATING	
214	3983646		
215	3983647		
216	3983648		
217	3983649	SKIM COATING	

Please Make Additional Copies As Needed

Page of _____



CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957964 **Description / Location:** White Insulation
Client No.: 01

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

Lab No.: 3957965 **Description / Location:** White Insulation
Client No.: 02

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

Lab No.: 3957966 **Description / Location:** White Insulation
Client No.: 03

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
70	Chrysotile	None Detected	None Detected	30

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Approved By: 

Date: 5/20/2010

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957967	Description / Location: White/Tan Plaster			
Client No.: 04	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957967	Description / Location: Brown Cork	Layer No.: 2		
Client No.: 04	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957967	Description / Location: Black Tar	Layer No.: 3		
Client No.: 04	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957968	Description / Location: Tan Plaster			
Client No.: 05	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957968	Description / Location: Brown Cork	Layer No.: 2		
Client No.: 05	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957968	Description / Location: Black Tar	Layer No.: 3		
Client No.: 05	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957969	Description / Location: Tan/Grey Plaster			
Client No.: 06	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957969	Description / Location: Brown Cork	Layer No.: 2		
Client No.: 06	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957969	Description / Location: Black Tar	Layer No.: 3		
Client No.: 06	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957970 **Description / Location:** Tan/Grey Plaster
Client No.: 07 Ceiling

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

Lab No.: 3957970 **Description / Location:** Brown Cork **Layer No.:** 2
Client No.: 07 Ceiling

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

Lab No.: 3957970 **Description / Location:** Black Tar **Layer No.:** 3
Client No.: 07 Ceiling

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957971	Description / Location: Tan/Grey Plaster
Client No.: 08	Ceiling
<u>% Asbestos</u> <u>Type</u>	<u>% Non-Asbestos Fibrous Material</u> <u>Type</u> <u>% Non-Fibrous Material</u>
None Detected None Detected	None Detected None Detected 100

Lab No.: 3957971	Description / Location: Brown Cork	Layer No.: 2
Client No.: 08	Ceiling	
<u>% Asbestos</u> <u>Type</u>	<u>% Non-Asbestos Fibrous Material</u> <u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected None Detected	None Detected None Detected	100

Lab No.: 3957971	Description / Location: Black Tar	Layer No.: 3
Client No.: 08	Ceiling	
<u>% Asbestos</u> <u>Type</u>	<u>% Non-Asbestos Fibrous Material</u> <u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected None Detected	None Detected None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957972	Description / Location: Tan/Grey Plaster
Client No.: 09	Ceiling
<u>% Asbestos</u> <u>Type</u>	<u>% Non-Asbestos Fibrous Material</u> <u>Type</u> <u>% Non-Fibrous Material</u>
None Detected None Detected	None Detected None Detected 100

Lab No.: 3957972	Description / Location: Brown Cork	Layer No.: 2
Client No.: 09	Ceiling	
<u>% Asbestos</u> <u>Type</u>	<u>% Non-Asbestos Fibrous Material</u> <u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected None Detected	None Detected None Detected	100

Lab No.: 3957972	Description / Location: Black Tar	Layer No.: 3
Client No.: 09	Ceiling	
<u>% Asbestos</u> <u>Type</u>	<u>% Non-Asbestos Fibrous Material</u> <u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected None Detected	None Detected None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957973	Description / Location: Tan/Grey Plaster			
Client No.: 10	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957973	Description / Location: Brown Cork	Layer No.: 2		
Client No.: 10	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957973	Description / Location: Black Tar	Layer No.: 3		
Client No.: 10	Ceiling			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957974 **Description / Location:** White/Grey Plaster
Client No.: 11 Wall

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

Lab No.: 3957974 **Description / Location:** Brown Cork **Layer No.:** 2
Client No.: 11 Wall

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

Lab No.: 3957974 **Description / Location:** Black Tar **Layer No.:** 3
Client No.: 11 Wall

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957975 **Description / Location:** White Plaster
Client No.: 12 Wall

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

Lab No.: 3957975 **Description / Location:** Grey Plaster
Client No.: 12 Wall **Layer No.:** 2

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

Lab No.: 3957975 **Description / Location:** Brown Cork
Client No.: 12 Wall **Layer No.:** 3

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

Lab No.: 3957975 **Description / Location:** Black Tar
Client No.: 12 Wall **Layer No.:** 4

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957976 **Description / Location:** White Plaster
Client No.: 13 Wall

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

Lab No.: 3957976 **Description / Location:** Grey Plaster **Layer No.:** 2
Client No.: 13 Wall

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

Lab No.: 3957976 **Description / Location:** Brown Cork **Layer No.:** 3
Client No.: 13 Wall

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

Lab No.: 3957976 **Description / Location:** Black Tar **Layer No.:** 4
Client No.: 13 Wall

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957977	Description / Location: White Plaster		
Client No.: 14	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3957977	Description / Location: Grey Plaster		Layer No.: 2
Client No.: 14	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3957977	Description / Location: Brown Cork		Layer No.: 3
Client No.: 14	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3957977	Description / Location: Black Tar		Layer No.: 4
Client No.: 14	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957978	Description / Location: White Plaster			
Client No.: 15	Wall			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957978	Description / Location: Grey Plaster			Layer No.: 2
Client No.: 15	Wall			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957978	Description / Location: Black Tar			Layer No.: 3
Client No.: 15	Wall			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3957978	Description / Location: Brown Insulation			Layer No.: 4
Client No.: 15	Wall			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	78	Mineral Wool	20
		2	Cellulose	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957979	Description / Location: White Plaster	
Client No.: 16	Wall	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		<u>% Non-Fibrous Material</u>
		100

Lab No.: 3957979	Description / Location: Grey Plaster	Layer No.: 2
Client No.: 16	Wall	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	100

Lab No.: 3957979	Description / Location: Black Tar	Layer No.: 3
Client No.: 16	Wall	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	100

Lab No.: 3957979	Description / Location: Brown Insulation	Layer No.: 4
Client No.: 16	Wall	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20
	80	Mineral Wool
	Trace	Cellulose

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957980 **Description / Location:** White Plaster
Client No.: 17 Wall

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

Lab No.: 3957980 **Description / Location:** Grey Plaster **Layer No.:** 2
Client No.: 17 Wall

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

Lab No.: 3957980 **Description / Location:** Black Tar **Layer No.:** 3
Client No.: 17 Wall

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

Lab No.: 3957980 **Description / Location:** Brown Insulation **Layer No.:** 4
Client No.: 17 Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	70	Mineral Wool	20
		10	Cellulose	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957981 **Description / Location:** Grey Transite
Client No.: 18

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
25	Chrysotile	None Detected	None Detected	75

Lab No.: 3957982 **Description / Location:** Grey Transite
Client No.: 20

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
30	Chrysotile	None Detected	None Detected	70

Lab No.: 3957983 **Description / Location:** White/Grey Insulation
Client No.: 25 Pipe

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

Lab No.: 3957984 **Description / Location:** White/Grey Insulation
Client No.: 28 Fitting

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957985 **Description / Location:** White/Grey Plaster
Client No.: 30 Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Hair	99

Lab No.: 3957986 **Description / Location:** White/Grey Plaster
Client No.: 31 Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Hair	99

Lab No.: 3957987 **Description / Location:** White/Grey Plaster
Client No.: 32 Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Hair	99

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957988 **Description / Location:** White/Brown Sheetrock
Client No.: 33

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

Lab No.: 3957988 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 33

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

Lab No.: 3957989 **Description / Location:** White/Brown Sheetrock
Client No.: 34

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

Lab No.: 3957989 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 34

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957990 **Description / Location:** White/Brown Sheetrock

Client No.: 35

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

Lab No.: 3957990 **Description / Location:** White Joint Compound

Client No.: 35

Layer No.: 2

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

Lab No.: 3957991 **Description / Location:** White/Brown Plaster
Ceiling

Client No.: 43

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

Lab No.: 3957992 **Description / Location:** White/Brown Plaster
Ceiling

Client No.: 44

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957993	Description / Location: White/Brown Plaster		
Client No.: 45	Ceiling		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Hair
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3957994	Description / Location: White/Brown Plaster		
Client No.: 46	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Hair
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3957995	Description / Location: White/Brown Plaster		
Client No.: 47	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Hair
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3957996	Description / Location: White/Brown Plaster		
Client No.: 48	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Hair
			<u>% Non-Fibrous Material</u>
			100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957997 **Description / Location:** White/Brown Sheetrock
Client No.: 53 Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 3957997 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 53 Wall

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

Lab No.: 3957997 **Description / Location:** White Tape **Layer No.:** 3
Client No.: 53 Wall

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

Lab No.: 3957997 **Description / Location:** White Wall Texture **Layer No.:** 4
Client No.: 53 Wall

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957998 **Description / Location:** White/Brown Sheetrock
Client No.: 54 Wall

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

Lab No.: 3957998 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 54 Wall

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

Lab No.: 3957998 **Description / Location:** White Tape **Layer No.:** 3
Client No.: 54 Wall

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

Lab No.: 3957998 **Description / Location:** White Wall Texture **Layer No.:** 4
Client No.: 54 Wall

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3957999	Description / Location: White/Brown Sheetrock Wall		
Client No.: 55			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	15	Cellulose
			<u>% Non-Fibrous Material</u>
			85

Lab No.: 3957999	Description / Location: White Joint Compound Wall		Layer No.: 2
Client No.: 55			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 3957999	Description / Location: White Tape Wall		Layer No.: 3
Client No.: 55			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	100	Cellulose
			None Detected

Lab No.: 3957999	Description / Location: White Wall Texture Wall		Layer No.: 4
Client No.: 55			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected
			100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958000 **Description / Location:** White/Brown Sheetrock
Client No.: 56

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 3958000 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 56

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

Lab No.: 3958000 **Description / Location:** Yellow Mastic **Layer No.:** 3
Client No.: 56

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958001 **Description / Location:** White/Brown Sheetrock

Client No.: 57

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 3958001 **Description / Location:** White Joint Compound

Client No.: 57

Layer No.: 2

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

Lab No.: 3958001 **Description / Location:** Yellow Mastic

Client No.: 57

Layer No.: 3

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958002 **Description / Location:** White/Brown Sheetrock

Client No.: 58

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

Lab No.: 3958002 **Description / Location:** White Joint Compound

Client No.: 58

Layer No.: 2

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

Lab No.: 3958002 **Description / Location:** Yellow Mastic

Client No.: 58

Layer No.: 3

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958003 **Description / Location:** White/Brown Sheetrock
Client No.: 59

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 3958003 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 59

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

Lab No.: 3958004 **Description / Location:** White/Brown Sheetrock
Client No.: 60

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

Lab No.: 3958004 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 60

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958005	Description / Location: White/Brown Sheetrock		
Client No.: 61			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	10	Cellulose
			<u>% Non-Fibrous Material</u> 90

Lab No.: 3958005	Description / Location: White Joint Compound			Layer No.: 2
Client No.: 61				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958006	Description / Location: Red Floor Tile		
Client No.: 62			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 5.1	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> PC 94.9

Lab No.: 3958006	Description / Location: Black Mastic			Layer No.: 2
Client No.: 62				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.3	Chrysotile	None Detected	None Detected	PC 97.7

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958007 **Description / Location:** Red Floor Tile
Client No.: 63

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 4.3	Chrysotile	None Detected	None Detected	PC 95.7

Lab No.: 3958007 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 63

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958008 **Description / Location:** Brown Insulation
Client No.: 64 Pipe

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

Lab No.: 3958008 **Description / Location:** Brown Paper
Client No.: 64 Pipe **Layer No.:** 2

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.1	Chrysotile	90	Cellulose	PC 8.9

Lab No.: 3958008 **Description / Location:** White/Red/Brown Wrap
Client No.: 64 Pipe **Layer No.:** 3

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958009 **Description / Location:** Brown Insulation
Client No.: 65 Pipe

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Hair	2

Lab No.: 3958009 **Description / Location:** Black/Brown Tar Paper **Layer No.:** 2
Client No.: 65 Pipe

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC Trace	Chrysotile	60	Cellulose	40

Lab No.: 3958010 **Description / Location:** White/Brown Insulation
Client No.: 67 Fitting

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
30	Chrysotile	5	Hair	65

Lab No.: 3958011 **Description / Location:** White/Black Insulation/Tar Paper
Client No.: 68 Fitting

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	5	Cellulose	75

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958012 **Description / Location:** White/Grey/Blk/Brn Insulation/TarPaper
Client No.: 69 Fitting

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
30	Chrysotile	10	Hair	50
		10	Cellulose	

Lab No.: 3958013 **Description / Location:** White Insulation
Client No.: 73 Door

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

Lab No.: 3958014 **Description / Location:** White Insulation
Client No.: 74 Door

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

Lab No.: 3958015 **Description / Location:** White Insulation
Client No.: 75 Door

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958016 **Description / Location:** White/Brown Sheetrock

Client No.: 76

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	8	Cellulose	92

Lab No.: 3958017 **Description / Location:** White/Brown Sheetrock

Client No.: 77

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 3958018 **Description / Location:** White/Brown Sheetrock

Client No.: 78

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	8	Cellulose	92

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Price

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958019 **Description / Location:** White Sheetrock
Client No.: 79

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 3958019 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 79

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

Lab No.: 3958020 **Description / Location:** White Sheetrock
Client No.: 80

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 3958020 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 80

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: R. Caran

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958021 **Description / Location:** White Sheetrock
Client No.: 81

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 3958021 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 81

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

Lab No.: 3958022 **Description / Location:** White Plaster
Client No.: 82 New Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 3958022 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 82 New Wall

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government

This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: R. Caran

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958023 **Description / Location:** White Plaster
Client No.: 83 New Wall

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

Lab No.: 3958023 **Description / Location:** Black Mastic
Client No.: 83 New Wall **Layer No.:** 2

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

Lab No.: 3958024 **Description / Location:** White Plaster
Client No.: 84 New Wall

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 3958024 **Description / Location:** Black Mastic
Client No.: 84 New Wall **Layer No.:** 2

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: R. Caran

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958025 **Description / Location:** White Plaster
Client No.: 85 New Wall

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

Lab No.: 3958025 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 85 New Wall

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

Lab No.: 3958026 **Description / Location:** White Plaster
Client No.: 86 New Wall

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

Lab No.: 3958026 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 86 New Wall

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: R. Caran

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958027 **Description / Location:** White Plaster
Client No.: 87

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

Lab No.: 3958028 **Description / Location:** White Plaster
Client No.: 88

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

Lab No.: 3958029 **Description / Location:** White Plaster
Client No.: 89

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

Lab No.: 3958030 **Description / Location:** Black Tar
Client No.: 90 On Cork

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
15	Chrysotile	10	Fibrous Glass	70
		5	Cellulose	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: B. Hargrove

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958031	Description / Location: Black Tar			
Client No.: 91	On Cork			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 5.1	Chrysotile	10	Fibrous Glass	PC 79.9
		5	Cellulose	

Lab No.: 3958032	Description / Location: Black Tar			
Client No.: 92	On Cork			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	10	Fibrous Glass	75
		5	Cellulose	

Lab No.: 3958033	Description / Location: Black Tar			
Client No.: 93	On Cork			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	10	Fibrous Glass	75
		5	Cellulose	

Lab No.: 3958034	Description / Location: Black Tar			
Client No.: 94	On Cork			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	10	Fibrous Glass	78
		2	Cellulose	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: B. Hargrove

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958035	Description / Location: Black Tar			
Client No.: 95	New Wall			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958035	Description / Location: Black Insulation	Layer No.: 2		
Client No.: 95	New Wall			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Fibrous Glass	5
		30	Cellulose	

Lab No.: 3958035	Description / Location: Grey Plaster	Layer No.: 3		
Client No.: 95	New Wall			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.3	Chrysotile	None Detected	None Detected	PC 99.7

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: B. Hargrove

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958036 **Description / Location:** Black Tar
Client No.: 96 New Wall

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

Lab No.: 3958036 **Description / Location:** Black Insulation
Client No.: 96 New Wall **Layer No.:** 2

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Fibrous Glass	5
		30	Cellulose	

Lab No.: 3958036 **Description / Location:** Grey Plaster
Client No.: 96 New Wall **Layer No.:** 3

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

Lab No.: 3958037 **Description / Location:** White Ceiling Texture
Client No.: 97

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.8	Chrysotile	None Detected	None Detected	PC 98.2

NIST-NVLAP No. 101165-0**NY-DOH No. 11021****AIHA Lab No. 100188**

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: B. Hargrove**Date:** 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958038	Description / Location: White Ceiling Texture			
Client No.: 98				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 3958039	Description / Location: White Ceiling Texture			
Client No.: 99				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.3	Chrysotile	None Detected	None Detected	PC 97.7

Lab No.: 3958040	Description / Location: White Plaster			
Client No.: 100				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958041	Description / Location: White Plaster			
Client No.: 101				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: B. Hargrove

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958042 **Description / Location:** White Plaster
Client No.: 102

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

Lab No.: 3958043 **Description / Location:** White Plaster
Client No.: 103

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

Lab No.: 3958044 **Description / Location:** White Plaster
Client No.: 104

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

Lab No.: 3958045 **Description / Location:** White Plaster
Client No.: 105

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: B. Hargrove

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958046 **Description / Location:** White Plaster

Client No.: 106

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 3958047 **Description / Location:** White Plaster

Client No.: 107

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 3958048 **Description / Location:** White Plaster

Client No.: 108

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 3958049 **Description / Location:** Grey Glazing
Window

Client No.: 109

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: B. Hargrove

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958050 **Description / Location:** Grey Glazing Window
Client No.: 110

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

Lab No.: 3958051 **Description / Location:** Grey Glazing Window
Client No.: 111

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

Lab No.: 3958052 **Description / Location:** White Caulk Window
Client No.: 112

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

Lab No.: 3958053 **Description / Location:** White Caulk Window
Client No.: 113

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958054 **Description / Location:** White Caulk
Client No.: 114 Window

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

Lab No.: 3958055 **Description / Location:** Yellow Floor Tile
Client No.: 115

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 6.3	Chrysotile	None Detected	None Detected	PC 93.7

Lab No.: 3958055 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 115

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 3.8	Chrysotile	None Detected	None Detected	PC 96.2

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958056	Description / Location: Yellow Floor Tile			
Client No.: 116				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 6.8	Chrysotile	None Detected	None Detected	PC 93.2

Lab No.: 3958056	Description / Location: Black Mastic			Layer No.: 2
Client No.: 116				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 4.3	Chrysotile	None Detected	None Detected	PC 95.7

Lab No.: 3958057	Description / Location: Off-White Plaster			
Client No.: 117				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958058	Description / Location: Off-White Plaster			
Client No.: 118				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government

This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958059 **Description / Location:** Off-White Plaster
Client No.: 119

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

Lab No.: 3958060 **Description / Location:** Tan/White Sheetrock
Client No.: 120

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

Lab No.: 3958061 **Description / Location:** Tan/White Sheetrock
Client No.: 121

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

Lab No.: 3958062 **Description / Location:** Tan/White Sheetrock
Client No.: 122

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958063 **Description / Location:** Tan Ceiling Tile
Client No.: 123

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

Lab No.: 3958063 **Description / Location:** Brown Mastic **Layer No.:** 2
Client No.: 123

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

Lab No.: 3958064 **Description / Location:** Tan Ceiling Tile
Client No.: 124

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

Lab No.: 3958064 **Description / Location:** Brown Mastic **Layer No.:** 2
Client No.: 124

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.8	Chrysotile	None Detected	None Detected	PC 98.2

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958065 **Description / Location:** Tan Ceiling Tile
Client No.: 125

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

Lab No.: 3958065 **Description / Location:** Brown Mastic **Layer No.:** 2
Client No.: 125

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.2	Chrysotile	None Detected	None Detected	PC 97.8

Lab No.: 3958066 **Description / Location:** Green Floor Tile
Client No.: 126

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 4.8	Chrysotile	None Detected	None Detected	PC 95.2

Lab No.: 3958066 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 126

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958067 **Description / Location:** Green Floor Tile
Client No.: 127

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 5.3	Chrysotile	None Detected	None Detected	PC 94.7

Lab No.: 3958067 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 127

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

Lab No.: 3958068 **Description / Location:** Lt. Tan Ceiling Tile
Client No.: 128

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	60	Cellulose	30
		10	Mineral Wool	

Lab No.: 3958069 **Description / Location:** White/Lt. Tan Ceiling Tile
Client No.: 129

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	60	Cellulose	30
		10	Mineral Wool	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958070 **Description / Location:** White/Lt. Tan Ceiling Tile
Client No.: 130

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	60	Cellulose	30
		10	Mineral Wool	

Lab No.: 3958071 **Description / Location:** Brown Floor Tile
Client No.: 131

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

Lab No.: 3958071 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 131

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958072 **Description / Location:** Brown Floor Tile
Client No.: 132

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.3	Chrysotile	None Detected	None Detected	PC 99.7

Lab No.: 3958072 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 132

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

Lab No.: 3958073 **Description / Location:** Brown Rubber
Stair Tread
Client No.: 133

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

Lab No.: 3958073 **Description / Location:** Yellow Mastic **Layer No.:** 2
Stair Tread
Client No.: 133

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958074 **Description / Location:** Brown Rubber
Client No.: 134 Stair Tread

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

Lab No.: 3958074 **Description / Location:** Yellow Mastic
Client No.: 134 Stair Tread **Layer No.:** 2

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

Lab No.: 3958075 **Description / Location:** White/Tan Ceiling Tile
Client No.: 135

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	55	Cellulose	40
		5	Mineral Wool	

Lab No.: 3958076 **Description / Location:** White/Tan Ceiling Tile
Client No.: 136

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	55	Cellulose	40
		5	Mineral Wool	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958077 **Description / Location:** White/Tan Ceiling Tile

Client No.: 137

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	55	Cellulose	40
		5	Mineral Wool	

Lab No.: 3958078 **Description / Location:** Tan Floor Tile

Client No.: 138

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

Lab No.: 3958078 **Description / Location:** Yellow Mastic

Client No.: 138

Layer No.: 2

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958079 **Description / Location:** Tan Floor Tile
Client No.: 139

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

Lab No.: 3958079 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 139

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

Lab No.: 3958080 **Description / Location:** Tan/White Sheetrock
Client No.: 140

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

Lab No.: 3958080 **Description / Location:** White Texture Plaster **Layer No.:** 2
Client No.: 140

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958081 **Description / Location:** Tan/White Sheetrock
Client No.: 141

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

Lab No.: 3958081 **Description / Location:** White Texture Plaster **Layer No.:** 2
Client No.: 141

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

Lab No.: 3958082 **Description / Location:** Tan/White Sheetrock
Client No.: 142

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

Lab No.: 3958082 **Description / Location:** White Texture Plaster **Layer No.:** 2
Client No.: 142

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958083	Description / Location: Tan/White Sheetrock			
Client No.: 142A				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	93
		2	Fibrous Glass	

Lab No.: 3958083	Description / Location: White Texture Plaster				Layer No.: 2
Client No.: 142A					
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

Lab No.: 3958084	Description / Location: Tan/White Sheetrock			
Client No.: 142B				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	93
		2	Fibrous Glass	

Lab No.: 3958084	Description / Location: White Texture Plaster				Layer No.: 2
Client No.: 142B					
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958085 **Description / Location:** Lt. Grey Floor Tile
Client No.: 143

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

Lab No.: 3958085 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 143

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

Lab No.: 3958085 **Description / Location:** Brown Vinyl Sheet Flooring **Layer No.:** 3
Client No.: 143

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

Lab No.: 3958085 **Description / Location:** Dk. Brown Mastic **Layer No.:** 4
Client No.: 143

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958086 **Description / Location:** Lt. Grey Floor Tile
Client No.: 144

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

Lab No.: 3958086 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 144

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

Lab No.: 3958086 **Description / Location:** Brown Vinyl Sheet Flooring **Layer No.:** 3
Client No.: 144

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

Lab No.: 3958086 **Description / Location:** Dk. Brown Mastic **Layer No.:** 4
Client No.: 144

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958087 **Description / Location:** White/Tan Ceiling Tile
Client No.: 145

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

Lab No.: 3958087 **Description / Location:** Dk. Brown Mastic **Layer No.:** 2
Client No.: 145

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

Lab No.: 3958088 **Description / Location:** White/Tan Ceiling Tile
Client No.: 146

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

Lab No.: 3958088 **Description / Location:** Dk. Brown Mastic **Layer No.:** 2
Client No.: 146

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958089	Description / Location: White/Tan Ceiling Tile			
Client No.: 146				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	95	Cellulose	5

Lab No.: 3958089	Description / Location: Dk. Brown Mastic			Layer No.: 2
Client No.: 146				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958090	Description / Location: Off-White Texture Plaster			
Client No.: 147				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958090	Description / Location: White/Tan Plaster			Layer No.: 2
Client No.: 147				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Cellulose	100
		Trace	Hair	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958091	Description / Location: Off-White Texture Plaster		
Client No.: 149	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3958091	Description / Location: White/Tan Plaster		Layer No.: 2
Client No.: 149	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Cellulose
			<u>% Non-Fibrous Material</u>
			100
			Hair

Lab No.: 3958092	Description / Location: Off-White Texture Plaster		
Client No.: 150	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 3958092	Description / Location: White/Tan Plaster		Layer No.: 2
Client No.: 150	Wall		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	Trace	Cellulose
			<u>% Non-Fibrous Material</u>
			100
			Hair

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958093 **Description / Location:** Tan Plaster
Client No.: 151 Wall

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

Lab No.: 3958094 **Description / Location:** Tan Plaster
Client No.: 152 Wall

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

Lab No.: 3958095 **Description / Location:** Green/Tan/White Sheetrock
Client No.: 153

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

Lab No.: 3958096 **Description / Location:** Green/Tan/White Sheetrock
Client No.: 154

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958097 **Description / Location:** Green/Tan/White Sheetrock
Client No.: 155

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

Lab No.: 3958098 **Description / Location:** Lt. Grey Floor Tile
Client No.: 156

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

Lab No.: 3958098 **Description / Location:** Brown/Black Mastic **Layer No.:** 2
Client No.: 156

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958099 **Description / Location:** Lt. Grey Floor Tile
Client No.: 157

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

Lab No.: 3958099 **Description / Location:** Brown/Black Mastic **Layer No.:** 2
Client No.: 157

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

Lab No.: 3958100 **Description / Location:** Off-White/Brown Insulation
Client No.: 158 Pipe

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958101 **Description / Location:** White/Tan Floor Tile
Client No.: 159

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 3958101 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 159

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

Lab No.: 3958102 **Description / Location:** White/Tan Floor Tile
Client No.: 160

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

Lab No.: 3958102 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 160

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958103 **Description / Location:** Brown Vinyl Sheet Flooring
Client No.: 161

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

Lab No.: 3958104 **Description / Location:** Brown Vinyl Sheet Flooring
Client No.: 162

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

Lab No.: 3958105 **Description / Location:** Brown Floor Tile
Client No.: 163

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

Lab No.: 3958105 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 163

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government

This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958106 **Description / Location:** Brown Floor Tile
Client No.: 164

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

Lab No.: 3958106 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 164

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

Lab No.: 3958107 **Description / Location:** Tan/White Sheetrock
Client No.: 165

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	93
		2	Fibrous Glass	

Lab No.: 3958107 **Description / Location:** White Texture Plaster **Layer No.:** 2
Client No.: 165

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958108 **Description / Location:** Tan/White Sheetrock
Client No.: 166

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	93
		2	Fibrous Glass	

Lab No.: 3958108 **Description / Location:** White Texture Plaster **Layer No.:** 2
Client No.: 166

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

Lab No.: 3958109 **Description / Location:** Tan/White Sheetrock
Client No.: 167

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	93
		2	Fibrous Glass	

Lab No.: 3958109 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: 167

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958110 **Description / Location:** Off-White Insulation
Client No.: 170 Pipe

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
30	Chrysotile	None Detected	None Detected	60
10	Amosite			

Lab No.: 3958111 **Description / Location:** Off-White Insulation
Client No.: 171 Pipe

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
30	Chrysotile	None Detected	None Detected	60
10	Amosite			

Lab No.: 3958112 **Description / Location:** Off-White Insulation
Client No.: 172 Pipe

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
30	Chrysotile	None Detected	None Detected	60
10	Amosite			

Lab No.: 3958113 **Description / Location:** Lt. Grey Insulation
Client No.: 173 Mud Fitting

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
70	Chrysotile	None Detected	None Detected	30

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958114	Description / Location: Lt. Grey Insulation		
Client No.: 174	Mud Fitting		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
70	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> 30

Lab No.: 3958115	Description / Location: Lt. Grey Insulation		
Client No.: 175	Mud Fitting		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
70	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> 30

Lab No.: 3958116	Description / Location: Green Floor Tile		
Client No.: 176			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 4.8	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u> PC 95.2

Lab No.: 3958116	Description / Location: Black Mastic		Layer No.: 2
Client No.: 176			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u> 100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958117	Description / Location: Green Floor Tile		
Client No.: 177			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 4.5	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			PC 95.5

Lab No.: 3958117	Description / Location: Black Mastic			Layer No.: 2
Client No.: 177				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958118	Description / Location: Off-White Floor Tile		
Client No.: 178			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 2.3	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			PC 97.7

Lab No.: 3958118	Description / Location: Yellow Mastic			Layer No.: 2
Client No.: 178				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958119 **Description / Location:** Off-White Floor Tile
Client No.: 179

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

Lab No.: 3958119 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 179

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

Lab No.: 3958120 **Description / Location:** Black Vinyl Sheet Flooring
Client No.: 180

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

Lab No.: 3958120 **Description / Location:** Yellow/Tan/BlackMastic/FloorLeveler **Layer No.:** 2
Client No.: 180

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958121 **Description / Location:** Black Vinyl Sheet Flooring
Client No.: 181

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

Lab No.: 3958121 **Description / Location:** Yellow/Tan/BlackMastic/FloorLeveler **Layer No.:** 2
Client No.: 181

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

Lab No.: 3958122 **Description / Location:** Brown Floor Tile
Client No.: 182

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.3	Chrysotile	None Detected	None Detected	PC 99.7

Lab No.: 3958122 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 182

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958123	Description / Location: Brown Floor Tile			
Client No.: 183				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 3958123	Description / Location: Black Mastic			Layer No.: 2
Client No.: 183				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958124	Description / Location: Red Glazing Window			
Client No.: 184				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3958125	Description / Location: Red Glazing Window			
Client No.: 185				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Cold Storage Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3958126	Description / Location: Red Glazing Window		
Client No.: 186			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 3958127	Description / Location: Black/Grey Insulation Pipe		
Client No.: 187			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
		5	Hair
			5

Lab No.: 3958128	Description / Location: Black/Grey Insulation Pipe		
Client No.: 188			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
		5	Hair
			5

Lab No.: 3958129	Description / Location: Black/Grey Insulation Pipe		
Client No.: 189			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
		5	Hair
			5

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: M. Mirza

Date: 5/20/2010



Chain of Custody / Sample Log Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE Bldg)
Project No.: H10002-05

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

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

Special Instructions: _____
PO# 538-10

Matrix:

Air Soil Bulk Other
 Water Paint Surface Dust / Wipe

Analysis Method:

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

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

Turnaround Time:

Preliminary Results Requested By... _____ Verbals FAX Email

date / time
 10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH**
* End of next business day unless otherwise specified. ** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers:

Client #(s): 01 - 189 iATL#(s): _____ - _____ Total: _____
(start) (end) (start) (end)

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

Chain of Custody:

Relinquished (Name / Organization): Mentor by
Received (Name / iATL): _____
Sample Login (Name / iATL): 200511710
Sample Prep (Name / iATL): LSP 8-20-10
Analysis(Name(s) / iATL): _____
QA/QC Review (Name / iATL): 2/24/10
Archived / Released: _____
QA/QC InterLAB Use: _____

RECEIVED	
Date: <u>5/12/10</u>	Time: _____
Date: _____	Time: _____
Date: <u>MAY 14 2010</u>	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____



Chain of Custody / Sample Log Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE Bldg)
Project No.: H10002-05

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

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

Special Instructions: _____
Rot# 538-10

Matrix:

Air Soil Bulk Other _____
 Water Paint Surface Dust / Wipe

Analysis Method:

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

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

Turnaround Time:

Preliminary Results Requested By... _____ Verbals FAX Email

Time:

date / time

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

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

Sample Numbers:

Client #(s): 01 - 189 iATL#(s): _____ - _____ Total: _____
(start) (end) (start) (end)

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

Chain of Custody:

Relinquished (Name / Organization): Mentor Co
Received (Name / iATL): _____
Sample Login (Name / iATL): 0225/1716
Sample Prep (Name / iATL): _____
Analysis (Name(s) / iATL): _____
QA/QC Review (Name / iATL): _____
Archived / Released: _____
QA/QC InterLAB Use: _____

RECEIVED	
Date: <u>5/12/10</u>	Time: <u>2:10</u>
Date: _____	Time: _____
Date: <u>MAY 14 2010</u>	Time: _____
Date: <u>5/12/10</u>	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____
Date: _____	Time: _____



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: H10002-05

Sampling Date: _____

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes	
01	3957964	Insulation paper		
02	3957965	}		
03	3957966			
04	3957967		Ceiling plaster on Cork + GY	
05	3957968			
06	3957969			
07	3957970			
08	3957971			
09	3957972			
10	3957973			
11	3957974		Wall plaster on Cork + GY	
12	3957975	}		
13	3957976			
14	3957977			
15	3957978			
16	3957979			
17	3957980			
18	3957981		TRANSIT	
19				
20	3957982	TRANSIT		
21				
22				
23				
24				
25	3957983	PIPE INSULATION		
26				
27				
28	3957984	FITTING INSULATION		

LSP 8-20-10



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: H10002-05

Sampling Date: _____

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
29		Plaster wall	
30	3957985	Plaster wall	
31	3957986		
32	3957987		
33	3957988		
34	3957989	Drywall system	
35	3957990		
36			
37			
38			
39			
40			
41			
42			
43	3957991	Plaster ceiling	
44	3957992		
45	3957993		
46	3957994	Plaster wall	
47	3957995		
48	3957996		
49			
50			
51			
52			
53	3957997	Textured Drywall wall	
54	3957998		
55	3957999		
56	3958000	Drywall + ADHESIVE	

LS P 8-20-10



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOF (COLD STORAGE)
Project No.: H1C002-05

Sampling Date: _____

SP
20-10

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
57	3958001	Drywall + ADHESIVE	
58	3958002)	
59	3958003	Drywall system	
60	3958004)	
61	3958005)	
62	3958006	FT + MASTIC	
63	3958007)	
64	3958008	Pipe Insulation	
65	3958009)	
66			
67	3958010	Fitting Insulation	
68	3958011)	
69	3958012)	
70			
71			
72			
73	3958013	Door Insulation	
74	3958014)	
75	3958015)	
76	3958016	Drywall	
77	3958017)	
78	3958018)	
79	3958019	Drywall System	
80	3958020)	
81	3958021)	
82	3958022	NEW PLASTER WALL	
83	3958023)	
84	3958024)	



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: H10002-05

Sampling Date: _____

Client Sample ID:	IATL Sample ID:	Sample Description / Location	Notes
57	3958001	Drywall + ADHESIVE	
58	3958002		
59	3958003	Drywall system	
60	3958004		
61	3958005		
62	3958006	FT + MASTIC	
63	3958007		
64	3958008	PIPE INSULATION	
65	3958009		
66			
67	3958010	FITTING INSULATION	
68	3958011		
69	3958012		
70			
71			
72			
73	3958013	DOOR INSULATION	
74	3958014		
75	3958015		
76	3958016	Drywall	
77	3958017		
78	3958018		
79	3958019	Drywall system	START
80	3958020		
81	3958021		
82	3958022	NEW PLASTER WALL	
83	3958023		
84	3958024		

3958024



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: H10002-05

Sampling Date: _____

ll
5/19/10
↓

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
85	3958025	New plaster wall	
86	3958026		
87	3958027	SKIN COATING	
88	3958028		
89	3958029		
90	3958030	Tor on Cork	
91	3958031		
92	3958032		
93	3958033		
94	3958034		
95	3958035	New Plaster wall	
96	3958036		
97	3958037	Textured ceiling	
98	3958038		
99	3958039		
100	3958040	Plaster coating	
101	3958041		
102	3958042		
103	3958043	SKIN COATING	
104	3958044		
105	3958045		
106	3958046	SKIN COATING	
107	3958047		
108	3958048		
109	3958049	Window glazing	
110	3958050		
111	3958051		
112	3958052	Window CAULKING	mm 5-20-10

Stop



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: H10002-05

Sampling Date: _____

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
113	3958053	Window Caulking	
114	3958054		
115	3958055	FT + MASTIC	
116	3958056		
117	3958057	SKIN COATING	
118	3958058		
119	3958059		
120	3958060	Drywall	
121	3958061		
122	3958062		
123	3958063	CT + GLOVE	
124	3958064		
125	3958065		
126	3958066	FT + MASTIC	
127	3958067		
128	3958068	CT	
129	3958069		
130	3958070		
131	3958071	FT + MASTIC	
132	3958072		
133	3958073	STAIR TREAD	
134	3958074		
135	3958075	CT	
136	3958076		
137	3958077		
138	3958078	FT + MASTIC	
139	3958079		
140	3958080	Drywall system	



Chain of Custody / Sample Log

Bulk Asbestos

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

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

Project Name: ODOT (COLD STORAGE)
Project No.: H10002-05

Sampling Date: _____

Client Sample ID:	iATL Sample ID:	Sample Description / Location	Notes
141	3958081	Drywall system	
142	3958082		
142 A	3958083		
142 B	3958084		
143	3958085	FT + MASTIC	
144	3958086		
145	3958087	CT	
146	3958088		
147	3958089		
148	3958090	Plaster wall	
149	3958091		
150	3958092		
151	3958093		
152	3958094		
153	3958095	Drywall	
154	3958096		
155	3958097		
156	3958098	FT + MASTIC	
157	3958099		
158	3958100	PIPE INSULATION	
159	3958101	FT + MASTIC	
160	3958102		
161	3958103	Floor Sheeting	
162	3958104		
163	3958105	FT + MASTIC	
164	3958106		
165	3958107	Drywall system	
166	3958108		

BATCH / SAMPLE MANAGEMENT REPORT

Customer No.: HZW606 Batch Number: 205321
 Customer: HZW Environmental Consultants Project: ODOT (Cold Storage Bldg)
 6105 Heisley Rd. Mentor OH 44060 Project Number: H10002-05
 Customer Rep: SC TAT: 43 Day
 # of Samples: ~~169~~ ¹⁶⁴ ₃₄ ²² Analysis: PLM Date/Time Rec'd: 5/14/2010
 Time/Date Due: 5/19/2010

Initials Signaling Acknowledgement RTP: _____ To PLM NOB _____ To TEM NOB _____

Special Instructions: *Partial*
 Admin Notes: Current Blanket PO# MAR10 5299-10 APRIL10 5318-10

Shipping Error:

- _____ Samples were not received in a sealed container. Bulk samples not double bagged.
- _____ Air Cassettes received open in bag... sample integrity compromised, possible contamination.
- _____ Samples received wet.
- _____ Samples received covered with dust... possible cross contamination.
- _____ Sample containers damaged, contents spilled... possible cross contamination.
- _____ Paperwork received in the same bag as samples possible contamination.
- _____ No / Incomplete Chain of Custody Received.
- _____ No / Incomplete Sample Log Received.
- _____ Sample container IDs do not match the client's sample log.
- _____ No Turnaround Time indicated.
- _____ PCM Re-prep for TEM NIOSH 7402. Cassettes previously opened and portion of filter removed.
- _____ Blank(s) not submitted as required by the requested analytical method.
- _____ Minimum shipping requirements not attained. See attached Carrier Air Bill.
- _____ Other: _____

Batch Error:

- _____ Wrong Client ID Listed:
- _____ Wrong Client Location Listed:
- _____ Wrong Project ID Listed:
- _____ Wrong TurnAround Time Listed:
- _____ Wrong Due Date Listed:
- _____ Wrong Date/Time Received Listed:
- _____ Wrong Analysis Method Listed:
- _____ Wrong Number of Samples Listed:

Login Error:

- _____ Sample Log Stamped Incorrectly:
- _____ Sample Containers Mislabelled:
- _____ Duplicate / Extra Samples Not Stamped:
- _____ Analyst Bench Sheet Error:

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Ice House Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959152 **Description / Location:** Black/Brown Tar/Cork

Client No.: 01

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Cellulose	70

Lab No.: 3959153 **Description / Location:** Black/Brown Tar/Cork

Client No.: 02

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Cellulose	70

Lab No.: 3959154 **Description / Location:** Black/Brown Tar/Cork

Client No.: 03

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

Lab No.: 3959155 **Description / Location:** Black Roof Material

Client No.: 04

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50
		Trace	Hair	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Solebello

Approved By: 

Date: 5/19/2010

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Ice House Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959156 **Description / Location:** Black Roof Material
Client No.: 05

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50
		Trace	Hair	

Lab No.: 3959157 **Description / Location:** Black Roof Material
Client No.: 06

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50
		Trace	Hair	

Lab No.: 3959158 **Description / Location:** Brown Insulation
Client No.: 07

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	70	Cellulose	15
		5	Hair	

Lab No.: 3959159 **Description / Location:** Brown Insulation
Client No.: 08

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 7.5	Chrysotile	75	Cellulose	PC 12.5
		5	Hair	

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Ice House Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959160 **Description / Location:** Brown/Black Insulation
Client No.: 09

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 8.0	Chrysotile	67	Cellulose	20
		5	Hair	

Lab No.: 3959161 **Description / Location:** White Insulation
Client No.: 10

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	None Detected	None Detected	70
10	Crocidolite			
Trace	Amosite			

Lab No.: 3959162 **Description / Location:** White Insulation
Client No.: 11

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	None Detected	None Detected	70
7.0	Crocidolite			
3.0	Amosite			

Lab No.: 3959163 **Description / Location:** White Insulation
Client No.: 12

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
20	Chrysotile	None Detected	None Detected	70
5.0	Crocidolite			
5.0	Amosite			

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Ice House Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959164 **Description / Location:** Black Roof Material
Client No.: 13

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50
		Trace	Hair	

Lab No.: 3959165 **Description / Location:** Black Roof Material
Client No.: 14

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50
		Trace	Hair	

Lab No.: 3959166 **Description / Location:** Black Roof Material
Client No.: 15

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50
		Trace	Hair	

Lab No.: 3959167 **Description / Location:** Black Shingle
Client No.: 16

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Solebello

Date: 5/19/2010

CERTIFICATE OF ANALYSIS

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

Report Date: 5/20/2010
Project: ODOT (Ice House Bldg)
Project No.: H10002-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3959168 **Description / Location:** Black Shingle
Client No.: 17

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

Lab No.: 3959169 **Description / Location:** Black Shingle
Client No.: 18

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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA Lab No. 100188

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

Analysis Method: EPA 600/R-93/116

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

Analysis Performed By: L. Solebello

Date: 5/19/2010



Chain of Custody / Sample Log Bulk Asbestos

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

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

Project Name: ODOT (ICE HOUSE Bldg)
Project No.: H1000-05

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

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

Special Instructions: Post 5318-10

Matrix:
 Air Soil Bulk Other
 Water Paint Surface Dust / Wipe

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

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

Turnaround Time: Preliminary Results Requested By... _____ Verbals FAX Email
date / time
 10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH**
* End of next business day unless otherwise specified. ** Matrix Dependent. Please notify the lab before shipping.

Sample Numbers:
Client #(s): 01 - 18 iATL#(s): _____ Total: _____
(start) (end) (start) (end)
Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

Chain of Custody:
Relinquished (Name / Organization): Mentor
Received (Name / iATL): _____
Sample Login (Name / iATL): AS05/17/10
Sample Prep (Name / iATL): _____
Analysis(Name(s) / iATL): LS 5/19/10
QA/QC Review (Name / iATL): JS 5/21/10
Archived / Released: _____
QA/QC InterLAB Use: _____

RECEIVED
Date: 5/13/10 Time: 3:00
Date: _____ Time: _____
Date: MAY 14 2010 Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____
Date: _____ Time: _____

BATCH / SAMPLE MANAGEMENT REPORT

Customer No.: HZW606 Batch Number: 205329
Customer: HZW Environmental Consultants Project: ODOT (Ice House Bldg)
6105 Heisley Rd. Project Number: H10002-05
Mentor OH 44060 TAT: 3 Day
Customer Rep: SC Date/Time Rec'd: 5/14/2010
of Samples: 18 Analysis: PLM Time/Date Due: 5/19/2010

Initials Signaling Acknowledgement RTP: _____ To PLM NOB _____ To TEM NOB _____

Special Instructions: Change TAT from NO TAT to 3 DAY as per SC.

Admin Notes: Current Blanket PO# MAR10 5299-10 APRIL10 5318-10

Shipping Error:

- _____ Samples were not received in a sealed container. Bulk samples not double bagged.
- _____ Air Cassettes received open in bag... sample integrity compromised, possible contamination.
- _____ Samples received wet.
- _____ Samples received covered with dust... possible cross contamination.
- _____ Sample containers damaged, contents spilled... possible cross contamination.
- _____ Paperwork received in the same bag as samples possible contamination.
- _____ No / Incomplete Chain of Custody Received.
- _____ No / Incomplete Sample Log Received.
- _____ Sample container IDs do not match the client's sample log.
- _____ No Turnaround Time indicated.
- _____ PCM Re-prep for TEM NIOSH 7402. Cassettes previously opened and portion of filter removed.
- _____ Blank(s) not submitted as required by the requested analytical method.
- _____ Minimum shipping requirements not attained. See attached Carrier Air Bill.
- _____ Other: _____

Batch Error:

- _____ Wrong Client ID Listed:
- _____ Wrong Client Location Listed:
- _____ Wrong Project ID Listed:
- _____ Wrong TurnAround Time Listed:
- _____ Wrong Due Date Listed:
- _____ Wrong Date/Time Received Listed:
- _____ Wrong Analysis Method Listed:
- _____ Wrong Number of Samples Listed:

Login Error:

- _____ Sample Log Stamped Incorrectly:
- _____ Sample Containers Mislabeled:
- _____ Duplicate / Extra Samples Not Stamped:
- _____ Analyst Bench Sheet Error:

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.