

SECTION 5.0 – ASBESTOS SAMPLING AND ANALYSIS

SECTION 5.1

SAMPLING PROCEDURE

Samples were selected at random. Minimum sampling requirements have met requirements of OSHA Regulations for Construction, Subpart D - Occupational Health and Environmental Controls, 29 CFR 1926.1101 - Asbestos. These OSHA regulations require in order for a material to be considered non asbestos-containing, that analysis of thermal system insulations and surfacing materials consist of a minimum three bulk samples being analyzed by a laboratory which participates in a nationally recognized testing program such as the National Voluntary Laboratory Accreditation Program (NVLAP) of the National Institute for Standards and Technology (NIST) or the Round Robin for bulk samples administered by the American Industrial Hygiene Association (AIHA) or an equivalent nationally-recognized round robin testing program.

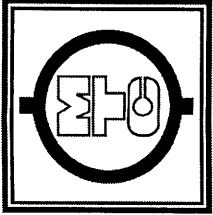
To limit the amount of samples taken, Materials Testing Consultants, Inc. used previous sample data from other projects performed on this site. If a previous sample location was found, the results from that sample would be used in this report. If the previous sample location could not be found, new samples for that material would be taken.

This inspection, including all sampling was conducted by a State of Michigan accredited Asbestos Building Inspector. Copies of the Inspector's current Training Certificates and State Accreditations are attached to this report in Appendix A.

When at all possible, sampling was performed in a non-destructive manner. Where possible, samples were obtained in unobtrusive areas. Holes from core samples of thermal system insulation were repaired. The inspector performing the sampling had respiratory protection as required and performed the work in a professional and safe manner using wet methods and decontamination procedures as necessary to guard against localized building contamination.

The following report entitled "Sample Locations Summary" provides the site locations of each of the samples taken from the Michigan State Fairgrounds & Exhibition Center buildings. The homogeneous area that the sample is taken from is represented in the sample number. The first one or two digits of the sample number represent the homogeneous area in which the sample was found. For example: Sample #101 was the first sample taken for Homogeneous Area #1. Sample #1104 was the fourth sample taken from Homogeneous Area #11.

SECTION 5.2 – ASBESTOS SAMPLE LOCATIONS SUMMARY



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Job No.: 081563

Building No.: 1

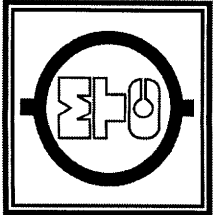
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Michigan Mart

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	105	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	4' West - 1' North of Southeast Corner
102	106	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	1' North - 4' East of Southwest Corner
103	107	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	10' West - 3' South of Northeast Corner
201	106	2	Grey, Fine Weave Vibration Dampening Cloth	8' Up - 3' South - 2' East of Northwest Corner
301	201	3	Roof Shingles - Black	Northeast Corner
401	104.1	4	Drywall	6' W of the SE Corner, 4' up
402	104.1	4	Drywall	6.5' N of the West Wall, 4' up
403	104.1	4	Drywall	2.5' W of the North Wall, 5' up



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Job No.: 081563

Building No.: 2

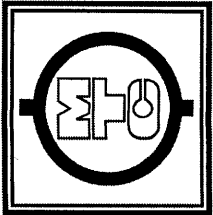
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: West Mall

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	Drywall	At the SW Corner, 0.5' up
102	101	1	Drywall	3' W of SE Corner, 1' up
103	101	1	Drywall	Center of South Doors

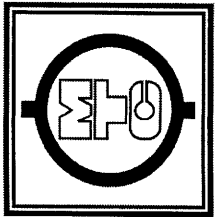


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Job No.: 081563
Building No.: 3
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: Agriculture Building
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	102	1	Window Caulk	6' East of Northwest Corner - 6' Up
201	101	2	1' x 2' Block Flooring Material - Black	3' West of East Entrance - Northeast Beam
301	104	3	Cork Insulation Board	5' West of Southeast Corner
501	116	5	Plaster	7' West - 4' South of Northeast Corner
502	116	5	Plaster	7' West - 4' South of Northeast Corner
503	116	5	Plaster	7' West - 4' South of Northeast Corner
601	101	6	4" Black Vinyl Cove Base	At the SE Corner



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Building No.: 5

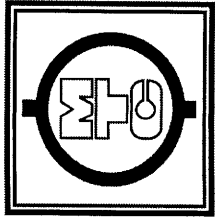
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Colliseum

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	301	1	Roof Flashing	From Access In Function Area 203 - At AHU West of Hatch
201	301	2	Built Up Roof	From Access In Function Area - 203 - At Hatch
301	101	3	Aircell Pipe Insulation	5' South - 6' East of Northwest Corner
302	205	3	Aircell Pipe Insulation	1' South of Northwest Corner
303	202	3	Aircell Pipe Insulation	7' South - 2' East of Northwest Corner
401	101	4	Mud Compound Joint and Fitting Insulation on Aircell Pipe Insulation	5' South - 8' East of Northwest Corner
402	205	4	Mud Compound Joint and Fitting Insulation on Aircell Pipe Insulation	5' North - 3' East of Southwest Corner
403	202	4	Mud Compound Joint and Fitting Insulation on Aircell Pipe Insulation	6' South - 2' East of Northwest Corner
501	101	5	Tank Insulation	4' South - 11' East of Northwest Corner
502	101	5	Tank Insulation	4' South - 12' West of Northeast Corner



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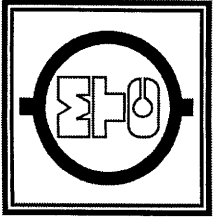
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Coliseum

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
503	101	5	Tank Insulation	21' West - 3' South of Northeast Corner
601	101	6	Boiler Insulation	6' South - 16' East of Northwest Corner
602	101	6	Boiler Insulation	22' East - 7' North of Southwest Corner
603	101	6	Boiler Insulation	14' West - 4' North of Southeast Corner
801	101	8	Boiler Duct Insulation	22' East - 7' North of Southwest Corner
802	101	8	Boiler Duct Insulation	18' East - 7' North of Southwest Corner
803	101	8	Boiler Duct Insulation	17' East - 7' North of Southwest Corner
1001	124	10	Drywall	Southwest Corner
1002	130	10	Drywall	Northeast Corner
1003	205	10	Drywall	14' East of Northwest Corner



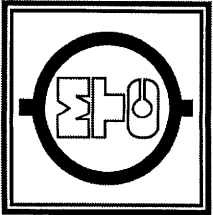
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Job No.: 081563
Building No.: 5
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center
Building: Colliseum
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
1101	107	11	9' x 9" Floor Tile - Tan with Brown and White Streaks	At North Door Jamb
1201	108	12	3' x 3' Vinyl Sheet Flooring - Off-White with Light Grey Streaks	At North Side of Door Jamb
1301	108	13	4" Black Cove Base	At North Side of Door Jamb
1401	108	14	2' x 2' Ceiling Tile - White with Random Pits and Pinholes	At North Side of Door Jamb
1501	114	15	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	3' East - 2' South of Door
1502	116	15	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	3' South of Access
1503	144	15	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	On Hot Water Line - 4' West of Northeast Corner
1601	113	16	2' x 2' Ceiling Tile - White - Smooth	Southeast Corner
1701	113	17	3' x 3' Vinyl Flooring - Teal with White Streaks	8' South - 4' West of Northeast Corner
1801	115	18	2' x 2' Ceiling Tile - White with Lateral Grooves and Random Pinholes	8' East - 7' South of Northwest Corner



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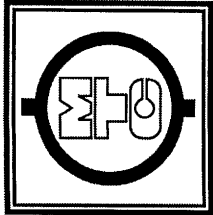
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Coliseum

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
1901	205	19	Window Caulk	6' North of Southwest Corner
2001	124	20	2' x 2' Ceiling Tile - White with Random Pits and Pinholes - Recessed	Northwest Corner
2101	126	21	2' x 4' Ceiling Tile - White - Smooth	10' South - 10' East of Northwest Corner
2201	126	22	2' x 4' Ceiling Tile - White - Textured	Northwest Corner
2301	127	23	2' x 4' Ceiling Tile - White - Lateral Pits and Random Pinholes	6' South of Northwest Corner
2401	128	24	Textured Paint	4' West - 7' Up From Northeast Corner
2402	128	24	Textured Paint	4 1/2' Up - 3' South of Northeast Corner
2403	128	24	Textured Paint	12' South - 4' Up From Northeast Corner
2501	128	25	2' x 4' Ceiling Tile - White - Random Pits and Pinholes	2' West of Northeast Corner
2601	132	26	2' x 2' Ceiling Tile - White - Long Lateral Grooves and Pinholes	3' East - 2' North of Southwest Corner

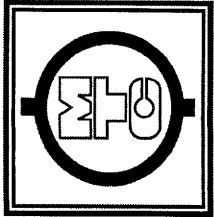


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Job No.: 081563
Building No.: 5
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: Colliseum
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
2701	134	27	12" x 12" Floor Tile - Tan and Light Brown - Square Pattern	10' North of Southeast Corner
2801	144	28	Black Fine Weave Vibration Dampening Cloth	4' West - 3' South of Northeast Corner
2901	112	29	Tank Wrap on Domestic Hot Water	6' N, 7' W of Column, 5' up
2902	112	29	Tank Wrap on Domestic Hot Water	6' N, 2' W of Column, 5' up
2903	112	29	Tank Wrap on Domestic Hot Water	6' N of Column, 5' up
3001	113	30	Dark Green Rubber Flooring	5' N, 3' W of the SE Corner



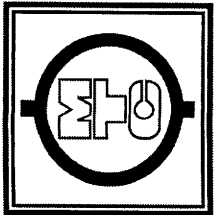
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Job No.: 081563
Building No.: 6
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center
Building: Dairy Cattle Building
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	102	1	Window Caulk	4' South of Northwest Corner
301	107	3	Drywall	18' North - 9' West of Southeast Corner
302	107	3	Drywall	14' North - 2' West of Southeast Corner
303	107	3	Drywall	14' North - 25' West of Southeast Corner



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Job No.: 081563

Building No.: 9

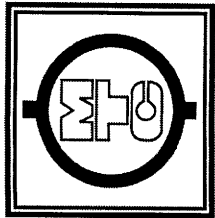
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Main Horse Barn

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	Window Caulk	West Wall - Middle
101	101	1	Window Caulk	5' East of Southwest Corner
201	201	2	Transite Panels - Corrugated	Middle of West Wall From Exterior Side



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Job No.: 081563

Building No.: 11

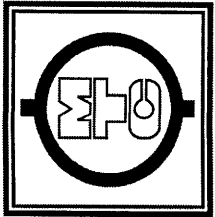
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Grand Champion Barn

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	Roof Shingles - Green	Southwest Corner

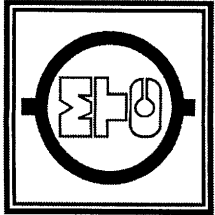


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Job No.: 081563
Building No.: 12
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: Multi-Livestock Barn
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
201	101	2	2' x 2' Ceiling Tile - White - Random Large and Small Holes	6' East - 11' South of Northwest Corner
301	101	3	2' x 2' Ceiling Tile - White - Lateral Grooves and Random Pinholes	6' East - 11' South of Northwest Corner
401	101	4	4" Brown Cove Base	10' East - 11' South of Northwest Corner



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Job No.: 081563

Building No.: 13

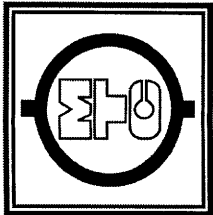
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Whitehall

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	Plaster	57' West of Northeast Corner
102	101	1	Plaster	46' West of Northeast Corner
103	101	1	Plaster	10' East of Northwest Corner
201	201	2	Window Caulk	32' West of Northeast Corner
301	301	3	Roofing Material	North Side On Chimney Port



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Job No.: 081563

Building No.: 14

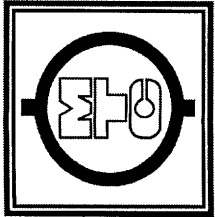
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center

Building: Volunteer Headquarters

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	105	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	3' East of Northwest Corner
102	102	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	3' West of Northeast Corner
103	101	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Water Lines	6' South - 2' West of Northeast Corner
201	101	2	Aircell Pipe Insulation	6' South - 5' West of Northeast Corner
301	101	3	Mud Compound Joint and Fitting Insulation on Aircell Pipe Insulation	6' South - 5' West of Northeast Corner
401	106	4	12" x 12" Ceiling Tile - White - Uniformed Pencil Holes - Glued On	3' North of Southeast Corner
402	106	4	12" x 12" Ceiling Tile - White - Uniformed Pencil Holes - Glued On	15' North - 7' East of Southwest Corner
403	106	4	12" x 12" Ceiling Tile - White - Uniformed Pencil Holes - Glued On	14' North - 8' West of Southeast Corner
404	106	4	12" x 12" Ceiling Tile - White - Uniformed Pencil Holes - Glued On	22' North - 15' East of Southwest Corner
405	106	4	12" x 12" Ceiling Tile - White - Uniformed Pencil Holes - Glued On	25' South of Northwest Corner



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Building No.: 14

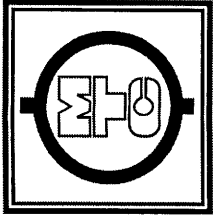
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Volunteer Headquarters

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
501	102	5	12" x 12" Ceiling Tile - White - Random Pinholes - Nailed On	3' West - 1' South of Northeast Corner
601	104	6	Plaster	1' North of Southwest Corner
602	102	6	Plaster	1' South of Northeast Corner
603	105	6	Plaster	4' East of Southwest Corner
701	104	7	9" x 9" Floor Tile - Tan with White and Brown Streaks	4' South - 4' West of Northeast Corner
801	104	8	4" Brown Cove Base	4' South of Northeast Corner
1001	105	10	2' x 4' Ceiling Tile, White	At the Southeast Corner



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Job No.: 081563

Building No.: 15

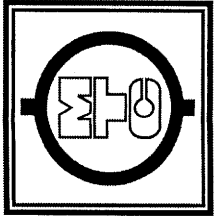
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Band Shell

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	4" Black Cove Base	3' West of Southeast Corner
201	101	2	2' x 2' Ceiling Tile - White with Lateral Grooves and Random Pinholes	3' East - 12' South of Northwest Corner
301	103	3	3" Brown Cove Base	4' East of Northwest Corner
401	103	4	2' x 4' Ceiling Tile - White with Lateral Grooves and Random Pinholes	4' South - 4' West of Northeast Corner
501	201	5	Roof Flashing	8' South - 9' East of Northwest Corner of Building
601	201	6	Roof Shingles	8' South - 9' East of Northwest Corner of Building
701	201	7	Roofing Tar Paper	North-South Midpoint - East Side of Shell Roof



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Job No.: 081563

Building No.: 16

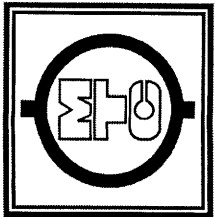
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Dodge Pavilion

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	12" x 12" Ceiling Tile - White - Glued-On - Lateral Grooves and Pinholes	9' North of Southwest Corner
102	101	1	12" x 12" Ceiling Tile - White - Glued-On - Lateral Grooves and Pinholes	19' East - 23' North of Southwest Corner
103	101	1	12" x 12" Ceiling Tile - White - Glued-On - Lateral Grooves and Pinholes	22' South - 9' West of Northeast Corner
201	102	2	Woolfelt Pipe Insulation on Domestic Water Lines	6' South of Northeast Corner
202	105	2	Woolfelt Pipe Insulation on Domestic Water Lines	Northwest Corner
203	108	2	Woolfelt Pipe Insulation on Domestic Water Lines	8' North of Southwest Corner
301	102	3	Mud Compound Joint and Fitting Insulation on Woolfelt Pipe Insulation on Domestic Water Lines	3' South of Northeast Corner
302	105	3	Mud Compound Joint and Fitting Insulation on Woolfelt Pipe Insulation on Domestic Water Lines	12' South of Northeast Corner - On Water Main
303	108	3	Mud Compound Joint and Fitting Insulation on Woolfelt Pipe Insulation on Domestic Water Lines	8' North - 10' West of Southeast Corner
401	106	4	Drywall	8' South - 4' Up From Northwest Corner



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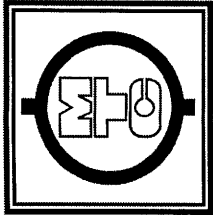
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Dodge Pavilion

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
402	106	4	Drywall	2' South - 6' Up From Northwest Corner
403	106	4	Drywall	Northwest Corner - 4' Up
501	108	5	Magnesium Silicate Pipe Insulation on Heat Exchanger	West End of Exchanger
502	108	5	Magnesium Silicate Pipe Insulation on Heat Exchanger	1' East On North Side From West End
503	108	5	Magnesium Silicate Pipe Insulation on Heat Exchanger	1' West on North Side From East End
601	108	6	Magnesium Silicate Pipe Insulation on Heating Lines	6' South - 4' West of Northeast Corner
602	108	6	Magnesium Silicate Pipe Insulation on Heating Lines	9' South - 4' West of Northeast Corner
603	108	6	Magnesium Silicate Pipe Insulation on Heating Lines	6' West - 10' South of Northeast Corner
701	108	7	Mud Compound Joint and Fitting Insulation on Magnesium Silicate Pipe Insulation Heating Lines	6' South - 5' West of Northeast Corner
702	108	7	Mud Compound Joint and Fitting Insulation on Magnesium Silicate Pipe Insulation Heating Lines	9' South - 5' West of Northeast Corner

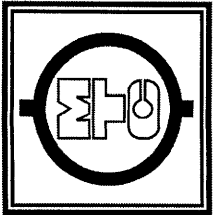


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Job No.: 081563
Building No.: 16
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: Dodge Pavilion
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
703	108	7	Mud Compound Joint and Fitting Insulation on Magnesium Silicate Pipe Insulation Heating Lines	7' West - 10' South of Northeast Corner
801	108	8	Magnesium Silicate Pipe Insulation on Duct Insulation	9' East - 5' Up of Southwest Corner
802	108	8	Magnesium Silicate Pipe Insulation on Duct Insulation	3' Up - 9' East of Southwest Corner
803	108	8	Magnesium Silicate Pipe Insulation on Duct Insulation	9' East of Southwest Corner
1001	108	10	Boiler Materials	South End of Boiler
1101	110	11	9" x 9" Floor Tile - Grey with Black and White Streaks	At West End of Door Jamb
1201	110	12	9" x 9" Floor Tile - Red with White Streaks	At West End of Door Jamb



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Job No.: 081563

Building No.: 17

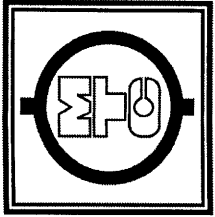
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Grants House

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	103	1	Plaster	4' South of Northeast Corner
102	104	1	Plaster	3' North - 1' East of Southwest Corner
103	105	1	Plaster	East of Door Jamb
201	101	2	12" x 12" Floor Tile - Off-White - Octagon Pattern	Noth End of Door Jamb
301	104	3	2' x 2' Ceiling Tile - White with Lateral Grooves and Random Pinholes	2' South of Northeast Corner
401	108	4	Drywall	6' North of Southeast Corner - Behind Light Fixture
402	111	4	Drywall	3' West of Northeast Corner - Northeast Entrance - Behind Light Southwestitch
403	112	4	Drywall	Behind Access Panel To Shower Piping
501	101	5	12" x 12" Floor Tile with Blue Marbling	At Southern Door Jamb
601	112	6	12" x 12" Floor Tile with Tan Marbling	At Southern Door Jamb



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Job No.: 081563

Building No.: 18

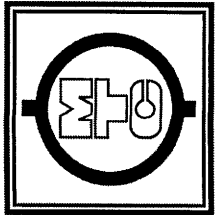
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Administration Building

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	2' x 4' Ceiling Tile - White - Lateral Grooves and Random Pinholes	16' North - 12' East of Southwest Corner
201	101	2	12" x 12" Floor Tile - Off-White with Black Textured Streaks	16' East of Southwest Corner
301	101	3	4" Grey Cove Base	6' East of Southwest Corner
401	101	4	Plaster	41' North of Southwest Corner
402	103	4	Plaster	6' South of Northeast Corner
403	204	4	Plaster	4' West of Northeast Corner
501	101	5	4" Brown Cove Base	8' East - 3' North of Southwest Corner
601	101	6	Mud Compound Joint and Fitting Insulation on Glass Heating Lines	41' North of Southwest Corner
602	105	6	Mud Compound Joint and Fitting Insulation on Glass Heating Lines	2' West of Northeast Corner
603	107	6	Mud Compound Joint and Fitting Insulation on Glass Heating Lines	Northeast Corner



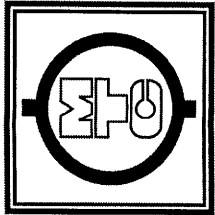
**Materials
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Job No.: 081563
Building No.: 18
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: Administration Building
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
701	102	7	4" Black Cove Base	3' East of Northwest Corner
801	110	8	Drywall	Southwest Corner
802	112	8	Drywall	Directly Above Entrance
803	213	8	Drywall	4' South of Northwest Corner
1001	114	10	12" x 12" White - Random Grooves and Pinholes	6' East of Northwest Corner
1101	105	11	12" x 12" Floor Tile, Gray with White and Black Flecks	At North Door Jamb
1201	301	12	Sheet Roofing	East side od Access Hatch in FA-205



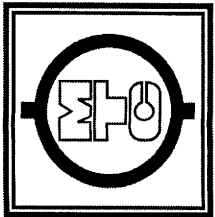
**Materials
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Job No.: 081563
Building No.: 19
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center
Building: Community Arts Building
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	Aircell Pipe Insulation on Heating Lines	21' North - 3' West of Southeast Corner
102	114	1	Aircell Pipe Insulation on Heating Lines	50' West - 3' North of Southeast Corner
103	118	1	Aircell Pipe Insulation on Heating Lines	Southwest Corner
201	101	2	Aircell Pipe Insulation on Joints on Heating Lines	21' North - 3' West of Southeast Corner
202	118	2	Aircell Pipe Insulation on Joints on Heating Lines	4' North of Southwest Corner
203	205	2	Aircell Pipe Insulation on Joints on Heating Lines	4' North - 2' West of Southeast Corner
301	101	3	Mud Compound Joint and Fitting Insulation on Glass Heating Lines	3' South of Northwest Corner
302	001	3	Mud Compound Joint and Fitting Insulation on Glass Heating Lines	10' West - 2' North of Southeast Corner
303	001	3	Mud Compound Joint and Fitting Insulation on Glass Heating Lines	15' West - 2' South of Northeast Corner
401	101	4	Boiler Insulation/Wrap	3' North of Southeast Corner of Boiler



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Job No.: 081563

Building No.: 19

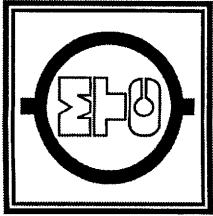
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Community Arts Building

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
402	101	4	Boiler Insulation/Wrap	1' East of Southwest Corner of Boiler
403	101	4	Boiler Insulation/Wrap	2' South of Northwest Corner of Boiler
501	101	5	Boiler Duct Insulation	9' South - 12' West of Northeast Corner
502	101	5	Boiler Duct Insulation	9' South - 7' West of Northeast Corner
503	101	5	Boiler Duct Insulation	7' South - 8' West of Northeast Corner
601	101	6	Magnesium Silicate Pipe Insulation on Heat Exchanger	North End of Exchanger
602	101	6	Magnesium Silicate Pipe Insulation on Heat Exchanger	West Side in Middle of Exchanger
603	101	6	Magnesium Silicate Pipe Insulation on Heat Exchanger	South End of Exchanger
801	101	8	Woolfelt Pipe Insulation on Domestic Cold Water	4' South - 1' East of Northwest Corner
802	201	8	Woolfelt Pipe Insulation on Domestic Cold Water	7' East - 2' North of Southwest Corner



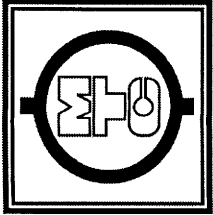
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Job No.: 081563
Building No.: 19
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: Community Arts Building
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
803	202	8	Woolfelt Pipe Insulation on Domestic Cold Water	2' South - 5' West of Northeast Corner
901	101	9	Mud Compound Joint and Fitting Insulation on Woolfelt Pipe Insulation	4' South - 1' East of Northwest Corner
902	201	9	Mud Compound Joint and Fitting Insulation on Woolfelt Pipe Insulation	7' East - 2' North of Southwest Corner
903	202	9	Mud Compound Joint and Fitting Insulation on Woolfelt Pipe Insulation	2' South - 5' West of Northeast Corner
1001	205	10	Plaster	8' East of Southwest Corner
1002	104	10	Plaster	38' East of Southwest Corner
1003	104	10	Plaster	24' South of Northeast Corner
1101	104	11	2' x 2' Ceiling Tile - White with Lateral Grooves and Random Pinholes	6' North of Southwest Corner
1201	106	12	4" Black Cove Base	West End of Door Jamb
1301	106	13	9" x 9" Floor Tile - Tan with Brown and White Streaks	West End of Door Jamb



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Building No.: 19

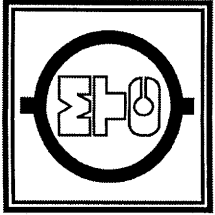
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Community Arts Building

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
1401	201	14	Green - Fine Weave Vibration Dampening Cloth	2' North - 2' West of Southeast Corner
1501	107	15	12" x 12" Ceiling Tile - White with Lateral Grooves and Random Pinholes - Glued On	1' North - 1' West of Southeast Corner
1502	109	15	12" x 12" Ceiling Tile - White with Lateral Grooves and Random Pinholes - Glued On	Southwest Corner
1503	110	15	12" x 12" Ceiling Tile - White with Lateral Grooves and Random Pinholes - Glued On	Northwest Corner
1504	113	15	12" x 12" Ceiling Tile - White with Lateral Grooves and Random Pinholes - Glued On	2' East - 1' South of Northwest Corner
1505	124	15	12" x 12" Ceiling Tile - White with Lateral Grooves and Random Pinholes - Glued On	4' East - 16' South of Northwest Corner
1601	112	16	9" x 9" Floor Tile - Green with White Streaks	West End of Door Jamb
1701	116	17	Drywall	6' West - 5' South of Northeast Corner
1702	114	17	Drywall	50' West - 3' North of Southeast Corner
1703	117	17	Drywall	5' South of Northeast Corner



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Building No.: 19

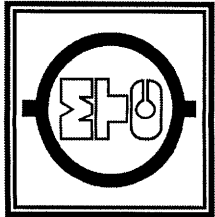
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Community Arts Building

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
1801	116	18	9" x 9" Floor Tile - Red with White Streaks	11' South - 7' West of Northeast Corner
1901	116	19	12" x 12" Ceiling Tile - White with Random Holes and Pinholes - Glued On	6' West - 5' South of Northeast Corner
1902	117	19	12" x 12" Ceiling Tile - White with Random Holes and Pinholes - Glued On	5' South of Northeast Corner
1903	118	19	12" x 12" Ceiling Tile - White with Random Holes and Pinholes - Glued On	4' North - 4' East of Southwest Corner
2001	116	20	4" Brown Cove Base	Northwest Corner
2101	204	21	Sprayed On Acoustical Material	3' North - 1' East of Southwest Corner
2102	125	21	Sprayed On Acoustical Material	2' East of Main Entrance
2103	203	21	Sprayed On Acoustical Material	Southwest Corner
2201	002	22	9" x 9" Floor Tile - Grey with White Streaks	2' South of Northwest Corner
2301	301	23	Roof Flashing	1' East of Roof Access



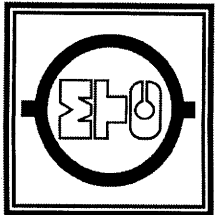
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Job No.: 081563
Building No.: 19
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: Community Arts Building
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
2601	109	26	4" Grey Vinyl Cove Base	SW Corner



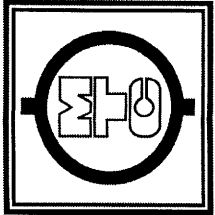
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Job No.: 081563
Building No.: 23
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center
Building: Exhibit Building
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	103	1	Window Caulk	4' West of Southeast Corner



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Job No.: 081563

Building No.: 24

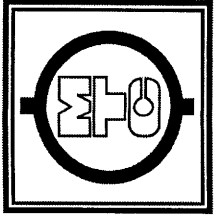
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Poultry Building

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	2' x 2' Ceiling Tile - White - Smooth	Northwest Corner
301	108	3	12" x 12" Floor Tile - Dark Red with Red and Tan Streaks	24' East - 4' North of Southwest Corner
401	401	4	Roof Shingles - Brown	Southwest Corner of Middle Courtyard
501	116	5	Drywall	West Wall, 4.5' up
502	116	5	Drywall	Ceiling Section, 5' up at doorway
503	116	5	Drywall	East Wall, 1' N of SE corner, 3' up



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Job No.: 081563

Building No.: 25

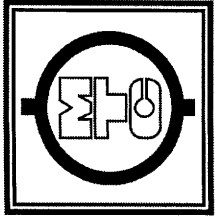
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Milk House

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	201	1	Transite Panels	14' South - 9' West of Northeast Corner
201	101	2	Window Caulk	10' South of Northeast Corner
301	301	3	Roof Shingles - Red/Grey	Northeast Corner



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Job No.: 081563

Building No.: 26

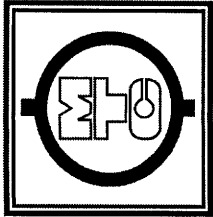
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Red Brick Comfort Station

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	101	1	Window Caulk	1' West of Northeast Corner
201	201	2	Roof Tar on Flashing	1' West of Down Spout at North Side of Building



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Job No.: 081563

Building No.: 28

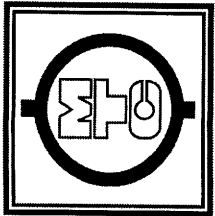
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center

Building: Restrooms (North)

Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	102	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Waqter Lines	1' North - 7' East of Southwest Corner
102	102	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Waqter Lines	2' South - 12' East of Northwest Corner
103	104	1	Mud Compound Joint and Fitting Insulation on Glass Domestic Waqter Lines	2' South - 2' East of Northwest Corner
301	201	3	Black, Fine Weave Vibration Dampening Cloth	6' West - 3' North of Southeast Corner
401	201	4	Drywall	At Northwest Corner
402	201	4	Drywall	6' East of Southwest Corner
403	201	4	Drywall	2' South of Northwest Corner
501	301	5	Roof Shingles - Brown	Southeast Corner



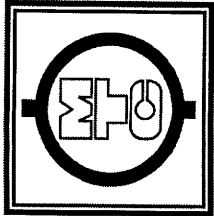
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Job No.: 081563
Building No.: 30
Project: Updated Survey of Asbestos and Limited Lead Based Paint for
Michigan State Fairgrounds & Exhibition Center
Building: White Brick Comfort Station
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	301	1	Roofing Material - Upper Layer - Reddish Brown	Southeast Corner
201	301	2	Roofing Material - Lower Layer - Silver	Southeast Corner



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Job No.: 081563
Building No.: 31
Project: Updated Survey of Asbestos and Limited Lead Based Paint for Michigan State Fairgrounds & Exhibition Center
Building: White Electrical Shack
Date: 16-May-09

Sample Location Summary

Field Sample Number	Function Area	Homogeneous Material Number	Material Description	Sample Location
101	201	1	Roof Shingles	1' North - 9' West of Southeast Corner
201	102	2	Transite Sheets	4' W and 7' S of NE Corner, 10' up

SECTION 5.3

LABORATORY PROCEDURES

In the original 1999 report, all suspect asbestos containing materials were properly packaged and taken by company vehicle to Materials Testing Consultants, Inc.'s Corporate Office Laboratory in Grand Rapids, Michigan for analysis. The preparation and analysis of bulk samples was completed using a Stereoscopic Reflected Light Microscope and Polarized Light Microscope with dispersion staining capabilities to comply with EPA/600/R-93/116, July 1993, "Method for the Determination of Asbestos in Bulk Building Materials".

For the current report any additional samples taken were properly packaged and sent by Federal Express to EMSL Analytical, Inc. in Ann Arbor, Michigan for analysis. EMSL Analytical, Inc. preparation and analysis of bulk samples was completed using a Stereoscopic Reflected Light Microscope and Polarized Light Microscope with dispersion staining capabilities to comply with EPA/600/R-93/116, July 1993, "Method for the Determination of Asbestos in Bulk Building Materials". The EMSL Analytical, Inc. results and Chain of Custody are included in Appendix B.

The following report entitled "Polarized Light Microscopy Analysis Report" provides the results of the laboratory analysis in a tabular form sorted by field sample number and layer. This report can be used in conjunction with the inspection report, sample location report, and the function area maps to provide detailed information about the location, type, and condition of building materials.