

MICHIGAN STATE UNIVERSITY

**ASBESTOS INSPECTION REPORT
FOR
CENTRAL SCHOOL**

OCTOBER 2006



NOVA ENVIRONMENTAL, INC.
5340 Plymouth Rd., Suite 210
Ann Arbor, MI 48105
(734) 930-0995



ENVIRONMENTAL, INC.

5340 PLYMOUTH RD. SUITE 210
ANN ARBOR, MICHIGAN 48105
734-930-0995

October 23, 2006

Mr. Andrew D. Smith
Environmental Technician
Office of Environmental & Occupational Safety
Michigan State University
150 Giltner Hall
East Lansing, MI 48824-1101

Dear Mr. Smith:

The following is the asbestos-containing material (ACM) Survey Report for Michigan State University's Central School, Building #204.

This ACM Survey Report, prepared by Nova Environmental, Inc., is separated into the following sections:

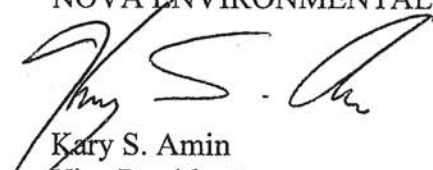
Section I	Background/Survey Information
Section II	Inspection Results
Section III	Laboratory Results
Section IV	Facility Information/Diagrams
Section V	Qualifications/Certifications & General Disclaimer Statement
Section VI	Photo Documentation

If you have any questions or concerns regarding the information presented within this report, please feel free to contact me at (734) 390-0995.

Thank you for choosing Nova Environmental, Inc.

Sincerely,

NOVA ENVIRONMENTAL, INC.



Kary S. Amin
Vice President

KSA/ij



**Michigan State University
Central School
Building #204**

**Section I
Background/Inspection Information**

Background:

On Monday, October 16 & Wednesday, October 18, 2006, representatives of Nova Environmental, Inc. conducted an Asbestos-Containing Materials (ACM) Building Survey within the Central School. The intent of this Survey was to determine potential asbestos content within interior accessible building materials/components.

During the on-site inspection phase, Nova collected a total of 72 bulk samples. Each of these samples was analyzed under Polarizing Light Microscopy (PLM) by EMSL Analytical, Inc., an accredited laboratory, utilizing EPA 600/R-93/116 Method. All laboratory result sheets are located in Section III of this report.

It should be noted that the following factors were realized during the inspection phase:

- Nova Environmental, Inc. only collected bulk samples of accessible suspect ACM building components. Nova conducted no destructive sampling, therefore, no inaccessible materials are included as part of this report.
- In accordance with the Request for Quotation (RFQ) 73316, no roofing materials were bulk sampled or included as part of this report.
- In accordance with instruction provided during the bidding process, no exterior materials, concrete, cinderblock, brick, mortar, ceramic or non-building components were bulk sampled or included as part of this report. Further inspection of these materials and inaccessible areas may be necessary prior to any renovation or demolition in order to comply with the EPA NESHAP and OSHA Asbestos Construction Industry Standards.
- All quantities listing within this report are approximates only.

A General Disclaimer Statement regarding this ACM Survey is located in Section V of this report.

Inspection Information:

All bulk samples were collected by Michigan Accredited Asbestos Inspectors in accordance with 40 CFR Part 763 of the EPA's AHERA regulation. This sampling strategy is required according to 29 CFR Part 1910.1001 and 1926.1101 of the OSHA Asbestos General Industry and Construction Standards for public and commercial buildings.

There are several terms/phrases that are identified in the various EPA and OSHA asbestos regulations, which are used within this ACM Survey report. They are as follows:

- ***Asbestos-Containing Material (ACM):***
Refers to a material, which contains more than 1% asbestos. If a given material contains over 1% asbestos, it is considered asbestos by all federal and state government agencies. If the material contains less than or equal to 1 % asbestos, it is legally non-asbestos.
- ***Friable:***
Refers to the ability of the material to crumble or pulverize under hand pressure when dry.
- ***Functional Space (FS):***
Means a room, group of rooms or separate independent area, such as hallways, restrooms, etc.
- ***Functional Space Number:***
A number, assigned to each functional space by either the building owner or Nova.
- ***Homogeneous Area (HA):***
Refers to a material that is uniform in color and texture.
- ***Homogeneous Area Number:***
A number, assigned to each homogeneous area by the Nova Inspector(s).
- ***Miscellaneous Material:***
Any material, which is not classified as thermal system insulation or surfacing material.
- ***Surfacing Material:***
Means material that is sprayed trowelled-on or otherwise applied to surfaces, (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes).
- ***Thermal System Insulation (TSI):***
Means ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain.
- ***Units:***
Units of measurement in either square feet, linear feet or totals, such as a total count of a given material or component.



Michigan State University
Central School
Building #204

Section II
Inspection Results

This section is delineated into three separate sub-sections. Included in each sub-section are FS# or functional space numbers, FS Description, Material Description, amount of material present, whether the material is positive, negative or assumed asbestos and its present status. Please note that within the sub-sections all materials tested **positive** or **assumed** to be asbestos are in bold, while all materials tested negative for asbestos are in regular type.

A listing and description of each sub-section follows:

➤ ***Homogeneous Area Listing***

This listing provides a complete material listing with total building quantities as well as whether the material contains asbestos, is assumed or is negative for asbestos-containing material.

➤ ***List by Functional Space Number***

This listing provides all inspection information organized by functional space.

➤ ***List by Positive, Assumed, Negative Homogeneous Areas***

This listing provides all homogeneous areas, or material description, that are positive for asbestos or assumed to be asbestos first, organized by functional space. The homogeneous areas that were tested negative for asbestos and corresponding functional spaces follow.

➤ ***List by Homogeneous Areas***

This listing provides all inspection information organized by homogeneous area, or material description.

The laboratory results are located in Section III of this Report.

**Michigan State University
Central School
Homogeneous Area Listing**

ACM Description	HA#	Total Quantities	Units	Asbestos
Semi-Rough Plaster Ceiling (Finishcoat)	1	364	Sq. Ft.	Negative
Semi-Rough Plaster Ceiling (Browncoat)	2	364	Sq. Ft.	Negative
Mud Fitting on Fiberglass Lines	3	16 Total		Positive
Tank Mud	4	2	Sq. Ft.	Negative
12" x 12" Floor Tile Cream w/ Lite & Dark Splotches	5	7,476	Sq. Ft.	Negative
Mastic of 12" x 12" Floor Tile Cream w/ Lite & Dark Splotches	6	7,476	Sq. Ft.	Negative
4" Dark Grey Covebase	7	30	Ln. Ft.	Negative
Mastic of 4" Dark Grey Covebase	8	30	Ln. Ft.	Negative
Smooth Plaster Ceiling (Finishcoat)	9	18,290	Sq. Ft.	Negative
Smooth Plaster Ceiling (Browncoat)	10	18,290	Sq. Ft.	Negative
2' x 4' Ceiling Panel w/ White Dots and Gouges	11	390	Sq. Ft.	Negative
Tagged Fire Door	12	24 Total		Assumed
Tagged Fire Door Frame	13	26 Total		Assumed
4" Grey Covebase	14	1,935	Ln. Ft.	Negative
Mastic of 4" Grey Covebase	15	1,935	Ln. Ft.	Negative
Fire Door Frame Caulk	16	420	Ln. Ft.	Negative
Smooth Plaster Wall (Finishcoat)	17	64,878	Sq. Ft.	Negative
Smooth Plaster Wall (Browncoat)	18	64,878	Sq. Ft.	Negative
Brown Gluepods Remnants	19	5,821	Sq. Ft.	Negative
Lite Brown Gluepods Remnants	19.1	200	Sq. Ft.	Negative
Gluepods Remnants of 12" x 12" Ceiling Panel White w/ Uniform Holes	19.2	60	Sq. Ft.	Negative
Window Caulk	20	2,200	Ln. Ft.	Negative
12" x 12" Vinyl Tile Red w/ White and Black Streaks	21	1,456	Sq. Ft.	Negative
Mastic of 12" x 12" Vinyl Tile Red w/ White and Black Streaks	22	1,456	Sq. Ft.	Negative
Tagged Fire Door Window Glaze	23	90	Ln. Ft.	Negative
Aircell Pipe Insulation	24	16 Ln. Ft.		Positive
Fire Rated Access Hatch Door	26	1 Total		Assumed
White Sink Undercoating	27	3	Total	Negative
Drywall	28	17,733	Sq. Ft.	Negative
Drywall Mud	29	17,135	Sq. Ft.	Negative
Drywall Tape	30	17,135	Sq. Ft.	Negative
Rough Plaster on Beam (Finishcoat)	31	200	Sq. Ft.	Negative
Rough Plaster on Beam (Browncoat)	32	200	Sq. Ft.	Negative
Red Vinyl Stair Tread w/ White & Black Streaks	33	1,992	Sq. Ft.	Negative
Mastic of Red Vinyl Stair Tread w/ White & Black Streaks	34	1,992	Sq. Ft.	Negative
Vinyl Sheeting Brown w/ White Streaks	35	30	Sq. Ft.	Negative
Mastic of Vinyl Sheeting Brown w/ White Streaks	36	30	Sq. Ft.	Negative
Grey Spray On	37	350	Sq. Ft.	Negative
Mirror Glaze Black	38	905	Ln. Ft.	Negative
Unknown Black Mastic	39	1,660	Sq. Ft.	Negative
12" x 12" Floor Tile Grey w/ Lite & Dark Grey Splotches	40	2,426	Sq. Ft.	Negative
Mastic of 12" x 12" Floor Tile Grey w/ Lite & Dark Grey Splotches	41	2,426	Sq. Ft.	Negative
4" Black Covebase	42	190	Ln. Ft.	Negative
Mastic of 4" Black Covebase	43	190	Ln. Ft.	Negative
Wall Joint Caulk	44	30	Ln. Ft.	Negative
12" x 12" Floor Tile Tan w/ Brown and White Streaks	46	1,046	Sq. Ft.	Negative
Mastic of 12" x 12" Floor Tile Tan w/ Brown and White Streaks	47	1,046 Sq. Ft.		Positive
Tar Paper under Vinyl	48	290	Sq. Ft.	Negative