

Michigan State University

ASBESTOS BUILDING INSPECTION REPORT



Soil Science Storage Building Number 430B

Inspection conducted by

Zach Hansmann
Office of Environmental Health and Safety
150 Giltner Hall
East Lansing, MI 48824-1101

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Final Report Date: April 7, 2008

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Michigan State University
Office of Environmental Health and Safety
ASBESTOS BUILDING INSPECTION REPORT
for the
Soil Science Research Storage Building (#430B)

INTRODUCTION

The Michigan State University Office of Environmental Health Safety performed an asbestos building inspection at the Soil Science Research Storage Building. A comprehensive asbestos building inspection was performed, including the collection of an appropriate number of bulk asbestos samples in accordance with the provisions of the Asbestos in Construction Standard.

The asbestos building inspection took place on March 17, 2008. During the inspection, bulk asbestos samples were collected and quantities of suspect asbestos-containing materials were estimated.

CERTIFICATION

The asbestos building inspection was conducted by Zach Hansmann, a State of Michigan Accredited Asbestos Building Inspector. Mr. Hansmann also maintains accreditation as an Asbestos Contractor Supervisor. A copy of his inspector credentials appear in Appendix A.

Samples were analyzed in the Polarized Light Microscopy (PLM) laboratory at Fibertec Industrial Hygiene Services. The Fibertec IHS PLM laboratory maintains National Voluntary Laboratory Accreditation Program (NVLAP) accreditation (Lab Code 101510-0). A copy of the Fibertec IHS NVLAP certificate of accreditation can be found in Appendix B.

GENERAL INSPECTION PROCEDURES

In an effort to identify asbestos-containing material (ACM) at the Soil Science Research Storage Building, an extensive inspection procedure was followed. A visual inspection of the building was combined with the collection of an appropriate number and distribution of bulk asbestos samples.

Determination of suspect asbestos-containing material was based on visual examination, bulk sample analysis and material age. Specifically, materials similar in color and texture were classified into homogenous areas (*e.g.*, white window glazing). An appropriate number of samples were collected from material in each homogenous area. When the results of analysis of all samples from a homogenous area indicate no asbestos present (less than or equal to one percent), the homogenous area is considered to be a non-asbestos containing material. When the results of analysis indicate asbestos present (in a quantity greater than one percent) in just one sample of those collected from a single homogenous area, the material in the entire homogenous area must be considered asbestos-containing.

Destructive testing (*i.e.*, demolition) was not conducted as part of this asbestos building inspection. Some asbestos-containing material hidden from view (*e.g.*, pipe insulation in inaccessible areas and vermiculite in cinderblock walls) may be present and may not have been accounted for as part of this inspection.

RESULTS OF VISUAL INSPECTION

Based on the inspection, two distinct suspect asbestos-containing materials were identified in the building. Some suspect asbestos-containing materials were sampled a number of times in different locations, white window glazing being an example. All suspect asbestos-containing materials observed at the time of the inspection are listed in the Room by Room Asbestos Building Inspection Forms.

BULK SAMPLE RESULTS

The information gathered from the inspection is included in Appendices C (Bulk Sample Log), D (Bulk Sample Analytical Report), E (Materials Sorted by Room), F (Photograph Log), and G (Floor Plan Sketches).

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

The following materials were found to contain asbestos at the Soil Science Research Storage Building:

No materials were found to contain asbestos

The following materials were assumed to contain asbestos at the Soil Science Research Storage Building:

No materials were assumed to contain asbestos

The following materials were found not to contain asbestos at the Soil Science Research Storage Building:

White window glazing
Roofing materials and products

CONCLUSION

No asbestos-containing materials were discovered during the course of this inspection.

This facility inspection to determine the location of asbestos-containing materials was conducted in accordance with the provisions of the Asbestos in Construction Standard, the EPA Sampling Bulletin of September 30, 1994, and current industry standards.

RECOMMENDATIONS

Based on the information collected during this asbestos building inspection, the following recommendations are offered. These recommendations are based on the current regulatory framework, currently observed conditions, and may have to be adjusted if change in regulations, ownership, emergency, or other factors substantially alter the condition, use or planned future use of the building.

1. If additional suspect asbestos containing materials not included in this report are discovered, please contact the office of Environmental Health and Safety for additional sampling.

Zach Hansmann
Environmental Technologist, MSU EHS
Michigan Accredited Asbestos Inspector, #A35562