

June 6, 2006
EHR File No. 31-1350.16

Hope College
178 E. 11th St.
Holland, MI 49423

Attn: Mr. Jerry Gunnink

Subject: Asbestos Inspection
Dimnent Chapel
Holland Campus

INTRODUCTION

Environmental Health Resources, Inc. (EHR), conducted an inspection for Asbestos Containing Materials (ACMs) in Dimnent Chapel located on the Hope Holland Campus in Holland, Michigan ("Property"). The building is currently being used by faculty, staff, students, and the public. The inspection was conducted on May 15, 2006¹.

DESCRIPTION OF AREAS INSPECTED

The areas inspected within the building are described below. A table containing a description and location of the bulk samples collected as a result of this inspection is contained in Appendix A along with approximate quantities of ACMs in each room accessed.

Building Description

The building is constructed of brick, concrete, and masonry block with wood/steel roof. Interior partitions are plaster on block or wood framing with drywall. Floors are concrete and finished with tile, carpet, and stone. Suspect ACMs consisted of ceiling, wall and floor finishes and thermal pipe insulation. The building was heated with hot water radiant heat from a boiler in the mechanical room.

INSPECTION FINDINGS

As part of the inspection, samples of certain building materials were collected and tested for the presence of asbestos and the results are shown in the following table.

¹ The inspection was conducted by a State-of-Michigan accredited Asbestos Building Inspector, Mr. David Lutkenhoff, A627.

ASBESTOS TESTING RESULTS

BULK SAMPLE LOG SHEET								
Project Number: 31-1350.16			Project Name: Hope College, Dimnnet Chapel Holland, Michigan					
Room #	P/M	Drywall	VAT	VT	Ceiling Tile	ACPI	Fittings	Comments
Vestibule	X							
Cust. Closet	X							
Chapel								Metal pan ceiling
S. Foyer & Entry	X							
Lower Level								
Lower level corridor	X		1,900			112'	21	
Room 8	X		120	X	X	30	5	
Rm. 8 Storage	X		120			18	3	
Rm. 16	X		630		X			
Rm. 18	X				X			
Rm. 19	X							
Rm. 17	X		140			20'	2	
Rm. 10	X		920					
Rm. 11		X	945		X			
Rm. 12	X		980					
Rm. 12B	X		250					
Rm. 14	X	X	625		X			
Rm. 15A	X	X	180					
Rm. 15B	X	X	100					
Rm. 15C	X		100		X			
Mech. Rm.						100'	11	
Men's Rm.	X							
Women's Rm.	X							
Rm. 24								

BULK SAMPLE LOG SHEET								
Project Number: 31-1350.16			Project Name: Hope College, Dimnent Chapel Holland, Michigan					
Room #	P/M	Drywall	VAT	VT	Ceiling Tile	ACPI	Fittings	Comments
Upper Levels								
Rear Balcony	X							
Rm. 30	X							
Tower Rm.	X	X						
Handicap RR	X	X		X				

VAT – Vinyl Asbestos Tile, P/M – Plaster/mortar, ACPI – Asbestos Containing Pipe Insulation,

The chapel, back vestibule, entry foyers, and stairwells are located on the ground level of the building. Classrooms, storage room, mechanical room, and restrooms are located on the lower level with electrical, HVAC room, elevator equipment room, balcony, and attic above the chapel are located on upper levels. Several ceilings of the classroom and chapel are metal pan with cellulose insulation laying on the backside of the ceiling. The floors of the lower level are finished with carpet mostly covering vinyl asbestos floor tile with the exception of the tile in the handicap bathroom which has been recently remodeled. The building is heated using a boiler and radiant heaters located throughout the building. Exposed piping was observed in the lower level with areas of isolated damage. The boiler was metal jacketed with piping in the mechanical room insulated with fiberglass and covered using a PVC jacket. Much of the exposed piping in the lower level was also insulated with fiberglass and PVC.


SUMMARY AND CONCLUSIONS

A building inspection for asbestos containing materials was conducted by EHR at the Property on May 15, 2006. Samples were collected for asbestos content and the results are tabulated herein. As shown, some of the piping and pipe fitting insulations observed on the lower level contain asbestos in excess of 1% by weight, EPA's definition of asbestos-containing, as does the vinyl floor tile located under the carpet throughout the lower level.

If you have any questions regarding the information contained in this report, please do not hesitate to call.

Respectfully submitted,

Environmental Health Resources, Inc.



David W. Lutkenhoff, CIH, CIAQC
Principal

HOPE COLLEGE

Asbestos Inspection

Dimnent Chapel Holland, Michigan

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APPENDIX A

Summary Table and Analytical Results