



## Hazardous Materials Inspection

<b>Facility Owner</b> Hope College	<b>Facility I.D.</b> Transportation 176 East 19th Street Holland, MI 49423
<b>Site Contact</b> Mr. Jerry Gunnink 178 East 11 <sup>th</sup> Street Holland, MI 49423 Telephone: 616-395-7999	<b>Asbestos Identified in Bldg.</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Number of Floors</b> 1 <b>Basement</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Approximate Sq. Ft.</b> 5,345
<b>Project No.</b> <b>Date of Inspection</b> <b>Name of Inspector</b> <b>Inspector Accreditation No.</b>	G080483A91 September 17, 2008 Mr. Christopher D. Carew A35073
<b>Reference Documents</b>	Table 1 – Description of Homogeneous Materials Table 2 – Bulk Sample Location Log Table 3 – Lead-Based Paint Results Appendix 1 – Floor Plans Showing Sample Sites Appendix 2 – Analytical Results

R:\080483\HAZMATINSPFIELDMERGEFORM.DOC

# Tables

**Table 1 - Description of Homogeneous Materials**  
Hazardous Materials Inspection Report  
Inspection Date: September 17, 2008  
Hope College, Transportation Center

HA Number	Material Description	Material Type	Asbestos Containing?
1	Drywall	SM	N
2	4" cove base and mastic (brown)	MM	N
3	12" x 12" vinyl flooring and mastic	MM	N
4	12" x 12" vinyl flooring and mastic	MM	N
5	Yellow carpet mastic	MM	N
6	Window caulk	MM	N

Notes:

- MM Miscellaneous Material
- TSI Thermal System Insulation
- SM Surfacing Material
- HA Homogeneous Area

**Table 2 - Bulk Sample Location Log**

Hazardous Materials Inspection Report

Inspection Date: September 17, 2008

Hope College, Transportation Center

Sample Number	Sample Location	Asbestos %
TRN-1-1	North bathroom, SE corner	None Detected
TRN-1-2	North bathroom, east wall, light switch	None Detected
TRN-1-3	South room, west wall	None Detected
TRN-2-1	North bathroom, SE corner	None Detected
TRN-3-1	North bathroom, south wall	None Detected
TRN-4-1	North bathroom, south wall	None Detected
TRN-5-1	South room, SW corner	None Detected
TRN-6-1	West warehouse, east wall, second window from south	None Detected

**Table 3 - Summary of Paint Chip Sample Results**

Hazardous Materials Inspection Report

Inspection Date: September 17, 2008

Hope College, Transportation Center

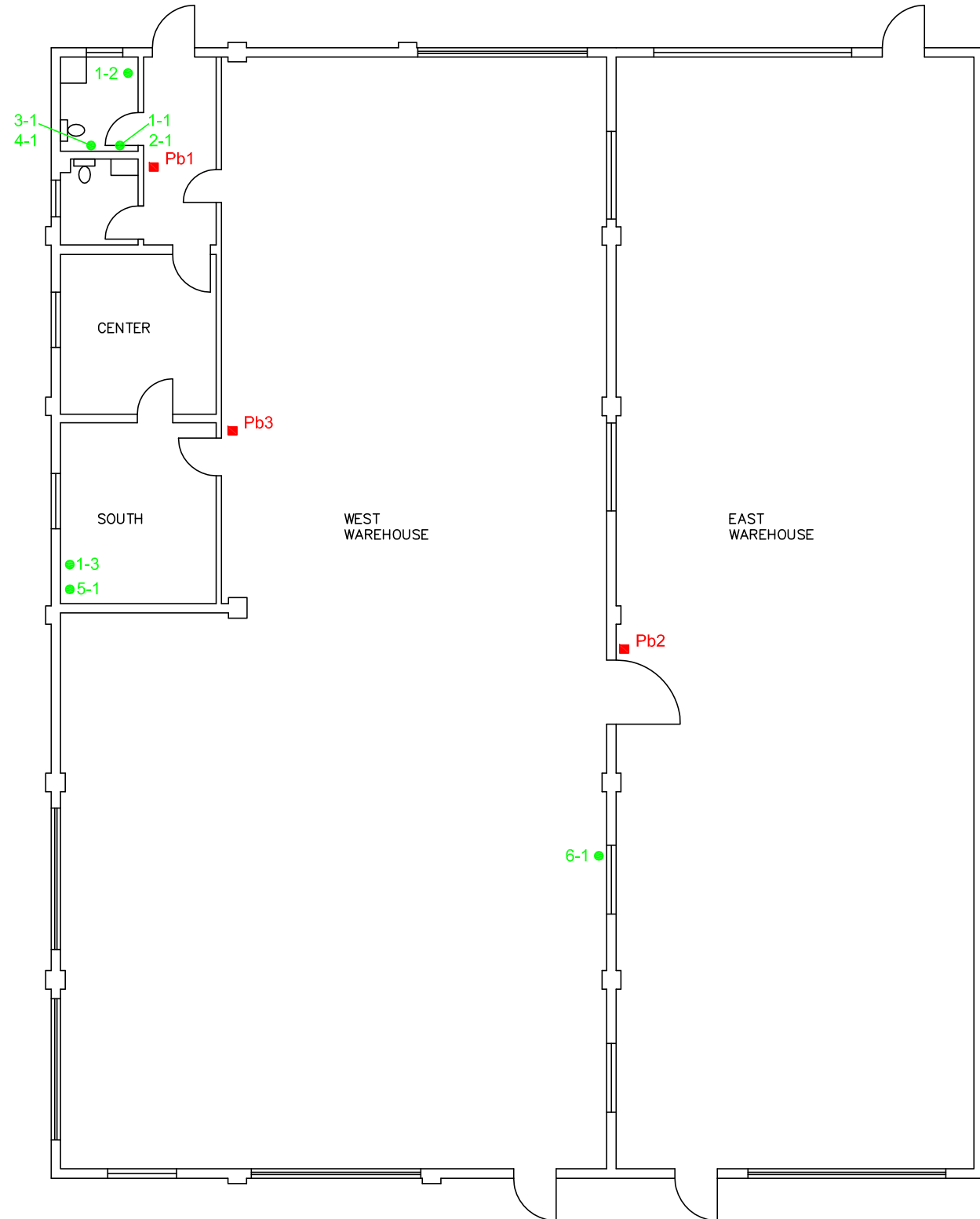
Sample ID	Sample Site	Description	Lead Concentration (% by wt)
TRN-PB-1	North bathroom, SE corner	White, interior	<0.01
TRN-PB-2	East warehouse, center door	Blue, interior	<0.01
TRN-PB-3	West warehouse, west wall, by door	Beige, interior/exterior	<0.02

# Appendix 1

PLOT INFO: U:\PROJECTS\080483A91\TRANSPORTATION.DWG DATE: 11/13/2008 TIME: 9:05:26 AM USER: ACS

LEGEND

- ASBESTOS SAMPLE
- LEAD SAMPLE



**SAMPLING LOCATIONS**  
**TRANSPORTATION CENTER**  
176 E. 19TH STREET



engineers  
scientists  
architects  
constructors

fishbeck, thompson,  
carr & huber, inc.

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**Hope College**  
Holland, Michigan  
**Hazardous Materials Inspections - 2008**

PROJECT NO.  
G080483A91

FIGURE NO.  
**1**

# Appendix 2





## EMSL Analytical

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: [indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

Attn: **Dave Lutkenhoff**  
**Fishbeck, Thompson, Carr & Huber**  
**1515 Arboretum Drive SE**  
**Grand Rapids, MI 49546**

Customer ID: FTCH62  
Customer PO: G080483 A91  
Received: 09/22/08 10:15 AM  
EMSL Order: 160814624

Fax: (616) 464-3992 Phone: (616) 575-3824  
Project: **G080483 Hope A91 TRN (Transportation)**

EMSL Proj:  
Analysis Date: 10/6/2008  
Report Date: 10/6/2008

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>	
			%	Fibrous	% Non-Fibrous	% Type
TRN 1 1 160814624-0001		White Non-Fibrous Homogeneous	20%	Cellulose	60% Gypsum 20% Non-fibrous (other)	None Detected
TRN 1 2 160814624-0002		White Non-Fibrous Homogeneous	20%	Cellulose	60% Gypsum 20% Non-fibrous (other)	None Detected
TRN 1 3 160814624-0003		White Non-Fibrous Homogeneous	20%	Cellulose	60% Gypsum 20% Non-fibrous (other)	None Detected
TRN 2 1 160814624-0004		Red/Brown Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
TRN 3 1 160814624-0005		Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
TRN 4 1 160814624-0006		White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
TRN 5 1 160814624-0007		Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
TRN 6 1 160814624-0008		Red Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected

Analyst(s)

Melissa Wilson (8)

Richard Harding, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

ACCREDITATION: NVLAP Lab Code 200188-0



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Received: 09/22/08 10:15 AM  
EMSL Order: 160813879

Fax: (616) 464-3992 Phone: (616) 575-3824  
Project: **HOPE COLLEGE/G080483A91 TRN (TRANSPORTATION)**

EMSL Proj:

Report Date: 9/26/2008

### Lead in Paint Chips by Flame AAS (SW 846 3050B and 7420\*)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0001	9/23/2008	0.01 % wt	<0.01 % wt	
<b>Client Sample</b> TRN-PB-1				<b>Collected:</b> 9/18/2008
0002	9/23/2008	0.01 % wt	<0.01 % wt	
<b>Client Sample</b> TRN-PB-2				<b>Collected:</b> 9/18/2008
0003	9/23/2008	0.02 % wt	<0.02 % wt	
<b>Client Sample</b> TRN-PB-3				<b>Collected:</b> 9/18/2008

Doug Wiegand, Laboratory Manager  
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

\* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

ACCREDITATIONS: AIHA ELLAP 157245

Date Printed: 9/26/2008 8:52:14 AM

PB w/RDL