



Mr. Ray Zanke, Supervisor
Genesee County, Buildings & Grounds Department
1101 Beach Street
Flint, MI 48502
rzanke@co.genesee.mi.us

June 15, 2016

RE: McCree Parking Facility asbestos and Lead Paint survey
Sierra Technical Services of Freeland, LLC Project # 16-06-03A & Pb

Dear Mr. Zanke,

Enclosed with this letter, please find the asbestos and lead paint sample survey report generated for the Genesee County McCree Parking Facility. Field investigation was performed on June 2, 2016. The following information is contained in this report:

- Cover Letter
- Survey Summary
- Laboratory Analytical Results
- Sample Collection Chain of Custody Forms

Thank you for selecting Sierra Technical Services of Freeland, LLC for your professional asbestos and lead paint services requirements. Please feel free to contact me with any questions or if we can be of further service in any way.

Sincerely,

Stephen M. Moelter,
Owner

McCree Parking Facility

Limited Asbestos & Lead Paint Survey Summary

Sierra Technical Services was contracted by Genesee County, Buildings & Grounds Department to conduct a limited facility sampling survey to determine the asbestos content of specific building suspect materials, and the lead content of specific representative paint coatings on portions of the structure. Field investigation and sampling was performed on June 2, 2016. A final report based on the results of the investigation was compiled.

General Report Information:

Asbestos

A limited scope sample collection for asbestos content analysis of certain select materials in staff and public access building locations was conducted. Materials that were sampled were as follows:

- Old abandoned electrical wire coating in the staff access storage room
- Drywall in the staff access storage room
- Drywall joint compound in the staff access storage room
- Residual 9x9 floor tile mastic exposed in the staff access storage room

All sampled materials were found to be non-asbestos.

Lead Paint

Paint chip samples were collected of representative Parking Garage structure surfaces known to have paint pre-dating 1978. Surfaces with only paint applied after 1978 were not sampled. Surfaces that were sampled, with associated lead % concentrations, were as follows:

- Main Elevator lobby paint - <.01% (less than analytical detection limit)
- NE stairwell wall paint – 0.17%
- W side stairwell wall paint - <.01% (less than analytical detection limit)
- Parking Structure cement support column paint – 0.07%

The EPA definition of lead based paint is >0.5%. OSHA has no lower lead concentration; i.e. – any amount of lead means the material is considered to be lead containing.

Survey Limitations

A visual examination of known areas of pipe insulation showed only non-asbestos fiberglass insulation present. Other building materials, including but not limited to newer 12x12 floor tiles and ceiling tiles, were not sampled per client request. Per State and Federal Standards, all other suspect building materials are Presumed Asbestos Containing until they have been sampled and proven to be non-asbestos.

Paint samples were collected only of surfaces covering the largest area(s) of the structure. Other paint colors covering very limited areas of the structure were not sampled.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: McRee PLM
Project # 16-06-03A

Report To:

Mr. Steve Moelter
Sierra Technical Services of Freeland
2366 Hotchkiss Rd.
Freeland, MI 48623

ARI Report # 16-65226
Date Collected: 06/02/16
Date Received: 06/06/16
Date Analyzed: 06/06/16
Date Reported: 06/07/16

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 65226 - 01 Cust. #: 1 Material: Drywall - Ground Floor Location: Storage Area, E Wall, N End Floor Level Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 65226 - 02 Cust. #: 2 Material: Drywall Mud - Ground Floor Location: Storage Area, E Wall, N End Floor Level Appearance: beige, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 65226 - 03 Cust. #: 3 Material: Mastic - Ground Floor Location: Storage Area, SE Area by N. Counter Appearance: black, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: McRee PLM
Project # 16-06-03A

Report To:

Mr. Steve Moelter
Sierra Technical Services of Freeland
2366 Hotchkiss Rd.
Freeland, MI 48623

ARI Report # 16-65226
Date Collected: 06/02/16
Date Received: 06/06/16
Date Analyzed: 06/06/16
Date Reported: 06/07/16

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 65226 - 04 Cust. #: 4 Material: Wire Insulation - Ground Floor Location: Storage Area, N Wall, W End Ceiling Level Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 65226 - 04a Cust. #: 4 Material: Sheath - Ground Floor Location: Storage Area, N Wall, W End Ceiling Level Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Metals Analysis

Project: McRee - Pb
Project # 16-06-03 Pb

Report to:
Mr. Steve Moelter
Sierra Technical/Freeland
2366 Hotchkiss Rd.
Freeland, MI 48623

ARL Report # 16-L13020
Date Collected: 06/02/16
Date Received: 06/06/16
Date Analyzed: 06/07/16
Date Reported: 06/07/16

Lab ID # L13020-01 Client #: 5 Material: Lobby Paint-Ground FL W. Wall Ceiling Ht N. of Door	SW846 - 7420 MDL - 0.01%	Pb - < 0.01%	06/07/16 RBB
Lab ID # L13020-02 Client #: 6 Material: NE Stairwell Paint #1 - 2 1/2 FL Landing E. Wall	SW846 - 7420 MDL - 0.01%	Pb - 0.17%	06/07/16 RBB
Lab ID # L13020-03 Client #: 7 Material: W Stairwell Paint #2 5th FL Landing	SW846 - 7420 MDL - 0.01%	Pb - < 0.01%	06/07/16 RBB
Lab ID # L13020-04 Client #: 8 Material: Col. Paint 3 Parking Level W. Section S. Edge 4th Col	SW846 - 7420 MDL - 0.01%	Pb - 0.07%	06/07/16 RBB

For Layer samples, each component will be analyzed and reported separately. MDL = Minimum Detection Limit.

Robert T. Letarte Jr., Laboratory Director

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991.
 Web Site: <http://apexresearch-inc.com>. Email: Bob.Letarte@apexresearchlab.com

Customer Name: Sierra Technical/Freeland
 Address: 2366 Hotchkiss Road
 City, St., Zip: Freeland, MI 48623
 Phone: 989-225-4100 Fax: _____

Date of Survey: 6/3/16
 Project: MEREE PLM & Pb
 Project # 16-06-03A & Pb
 Contact Person: Steve Woelter
 Email: cswoelter@att.net

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Times: (Circle One)

Rush 24 hour
 48 hour 72 hour
 Other: _____
 TTP yes / no (Test Till Positive)

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead: Bulk _____ Wipe _____ Air _____ Paint Soil _____
 Mold: Bulk _____ Tape _____ Biosis _____ Other _____ Viable _____
 TEM: Bulk/NOP _____ AHERA _____ EPA Level II _____ Other _____

***Terms and conditions on the other side

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
1	DAYWALL	Ground Floor storage area, E wall N end, floor level	PLM		
2	DAYWALL MUD	Ground Floor storage area, E wall N end, floor level	PLM		
3	MASTE	Ground Floor storage area, 5th area, be N counter	PLM		
4	WIRE INSULATION	Ground Floor storage area, N wall, W end ceiling level	PLM		
1	LOBBY PAINT	Ground floor lobby, W wall, ceiling	Pb		
2	STAIRWELL PAINT	NE stairwell, 3rd Floor	Pb		
3	STAIRWELL PAINT	W stairwell, 5th Floor landing	Pb		
4	COLUMN PAINT	3 parking level, W section, S edge 4th column E of SW corner	Pb		

Relinquished By: Stephen Noelle Received By: Steve Woelter Relinquished By: _____
 Date: 6/2/16 Date: 6-6-16 Date: _____
 Revision Date: June 2011 JUN 09 2016

65226

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991.
 Web Site: <http://apexresearch-inc.com> Email: Bob.Letarte@apexresearchlab.com



Customer Name: Sierra Technical/Freeland
 Address: 2366 Hotchkiss Road
 City, St., Zip: Freeland, MI 48623
 Phone: 989-225-4100 Fax: _____

Date of Survey: 6/2/16
 Project: McRSE PLM ± Pb
 Project # 16-06-03A ± Pb
 Contact Person: Steve Moelter
 Email: smoelter@att.net

Turn Around Times: (Circle One)

24 hour 72 hour
 Rush _____
 48 hour _____
 Other: _____
 TTP yes / no _____
 (Test Till Positive)
 Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead: Bulk _____ Wipe _____ Air _____ Paint Soil _____
 Mold: Bulk _____ Tape _____ BioSIS _____ Other _____ Viable _____
 TEM: Bulk/NOP _____ AHERA _____ EPA Level II _____ Other _____

***Terms and conditions on the other side.

Lab Use Only
Log-In: _____
Report: _____
Fax: _____
Verbal: _____
Email: _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
1	1	Drywall	PLM		
2	2	Drywall Mud	PLM		
3	3	Mud	PLM		
4	4	Wire Insulation	PLM		
5	5	Lobby Paint	Pb		
6	6	Stairwell Paint	Pb		
7	7	Stairwell Paint #2	Pb		
8	8	Column Paint	Pb		

Relinquished By: Stephen Moelter Received By: Steve Moelter
 Date: 6/2/16 Date: 6-6-16

Relinquished By: _____ Date: _____
 Relinquished By: _____ Date: _____