



June 12, 2015

VIA EMAIL
Scott.turnbull@pc.gc.ca

Scott Turnbull
Miette Hot Springs, Parks Canada
Jasper , AB T0E 1E0

Attention: **Scott Turnbull**
Project Manager
250-688-0967

Re: **Building Material Assessment – Lead Survey**
Miette Hot Springs Employee Bunk House
BSS Project: MietteL

Barrow Safety Services (BSS) performed a lead paint analysis on the paint inside of the building surveyed at the above-referenced building. BSS understands the information is required to determine if lead paint is present prior to demolition commencing.

SCOPE OF WORK

The scope of work included a general inspection and sampling of paint samples and any suspect material that may or is known to contain lead. The survey was performed on June 4, 2015 by Glen Barrow of Barrow Safety Services.

BUILDING CONSTRUCTION

The 1960's building is a one story bungalow building that consists of many smaller rooms. The interior is all wood finish with satin. Samples were taken from the interior wall on the main floor. The interior wall of the main floor is finished with stained wood.

SURVEY METHODOLOGY

Suspect lead paint materials were identified by visual inspection and the collection of bulk samples. Select samples were collected of paint material suspected to contain lead and verified through laboratory analysis. Enviro-Works Inc. examined the samples by inductively coupled plasma (ICP) following the ASTM E1645-01 and NIOSH 7300 methodology.

LIMITATIONS

Based on the nature of the building construction, limitations exist which would not have an effect on the thoroughness of the survey. This survey came across no limitations for this testing. Only the areas identified for renovation were tested.

REGULATION OF LEAD CONTAINING PAINT

Alberta Occupational Health & Safety (OH&S) regulates provincial workers for handling of lead in the workplace and outlines the requirements to include risk assessment, identification, management, work procedures, worker training, PPE, controls and possible air monitoring if required.

Lead containing materials or paint must be removed or sealed and contained prior to any renovation and demolition activities in accordance with appropriate work procedures set out by OH&S and disposed of in accordance with Alberta Environment. Consulting with Barrow Safety Services would need to be done if lead is found to be present. BSS can supply a removal procedure and BSS would need to have an onsite advisor to observe removal procedure.

SUMMARY OF RESULTS

A total of five (5) sample of suspect lead paint material was collected and analyzed. Refer to Appendix I for laboratory results and Appendix I for sample location. Three of the samples came back above the suggested guideline (samples #1, #2 & #5) and came back positive for lead paint. Two of the samples came back as equal or under the suggested guideline (samples #3 & #4). Products that contain lead in excess of 600 parts per million are considered hazardous waste and shall be managed in accordance with the OH&S guideline.

Results

- Sample #1 – Exterior Siding Paint – Positive for lead paint
- Sample #2 – Exterior Window Frame Paint – Positive for lead paint
- Sample #3 – Shelving in Cooler – Below suggested level for lead paint
- Sample #4 – Interior Stain on Walls – Below suggested level for lead paint
- Sample #5 – Exterior Door Paint – Positive for lead paint

CONCLUSIONS AND RECOMMENDATIONS

1. All lead paint material that was tested and was found to be positive will be treated as lead and follow the lead removal procedure.

2. Dispose of all Lead containing materials in accordance with Alberta Environment.
3. Manage all lead containing materials within the building through the development and implementation of a Lead Management Program. This can be developed through Barrow Safety Services.
4. Follow the Lead removal procedures that are job specific for this building and this job. Barrow Safety can supply a Lead Removal Procedure and proper disposal of the lead containing material. The BSS onsite lead advisor will be sure the lead procedure is followed and adhered to.
5. Encapsulate and seal lead paint prior to removal. Remove lead containing material as whole as much as possible and dispose of at recognized disposal center for lead waste. The Hinton Landfill does accept lead containing material but needs to be approved first through application (landfill manifest).
6. Attached is Lead Removal Procedure which needs to be physically observed by a BSS technician. Also the lab results for lead samples tested.

If you have any questions regarding this report, please contact the undersigned.

Sincerely,

Authored by:

Barrow Safety Services Inc.

Per:



Glen Barrow
Manager
(780)865-7763

File:



18949 111 Ave. NW
Edmonton, Alberta
T5S 2X4
Ph: 780-457-4652
Fax: 1-844-767-7111

Client: Barrow Safety Services

Project: Mietteli

Date Sampled: 04-June-15

Sample Taken by: Glen Barrow

Date Submitted for Laboratory Analysis: 05-June-15

Sample type: Bulk Paint Chip

Date Completed: 10-June-15

Lab Test Method: Lead by ICP MS

Coc: 29571

Samples were sub-let out

Sample ID:	Sample #	Description	Lead (ppm)
00055-1	1	EXTERIOR SIDING PAINT	3000
00055-2	2	EXTERIOR WINDOW FRAME PAINT	50600
00055-3	3	SHELVING IN COOLER	601
00055-4	4	INTERIOR STAIN ON WALLS	537
00055-5	5	EXTERIOR DOOR PAINT	19600

Reviewed
By:

Paul Laplante, C.Tech

Lab Analyst