



DEPARTMENT OF THE AIR FORCE  
75TH CIVIL ENGINEERING (CEOHA)  
HILL AIR FORCE BASE, UTAH



# ASBESTOS LEAD BASED PAINT LIMITED INSPECTION REPORT

INSPECTION DATE: 06 January 2020

(This inspection is valid for three years from the inspection date regardless of Exp. Date of inspector cert. If past this date, a visual or additional assessment will then be required)

Reference UDAQ R307-807-6

Utah Certified State Inspector: Taylor Brimberry

(ASB#-6727: Expires-25 October 2020, PB#-2546: Expires-6 November 2022)

REPAIR/REPLACE FIRE SUPPRESSION AND ALARM SYSTEM

WORK TASK #: 5040346

FACILITY: 265

FACILITY CONSTRUCTION DATE: 1941

REQUESTER: WILLIAM BLACKHAM

ORGANIZATION: 309 CMXG

REQUESTED: 01 November 2018



THIS REPORT IS NOT TO BE USED FOR BIDDING PURPOSES

PREPARED BY: Taylor Brimberry (ASB#-6727, PB#-2546)

SIGNATURE: \_\_\_\_\_



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**LIMITED ASBESTOS INSPECTION REPORT INFORMATION**

**Statement of Work:** Repair/Replace Fire Suppression And Alarm System.

This inspection was performed in accordance with the Utah Division of Air Quality (DAQ) requirements as found in the Utah Air Quality Rule R307-801-10. This inspection report is required to be on site during all abatement, renovation, and demolition activities. Samples referenced in this report were analyzed by polarized light microscopy (PLM) utilizing method 600R-93-116 by The Science and Engineering Laboratory (AIHA Acc.#-101572) at Hill Air Force Base, Utah (R307-801-10.8.a-b).

Civil Engineering personnel also reviewed previous asbestos inspection reports of suspect asbestos containing materials (ACM) that could potentially be encountered in the proposed area/areas. The information gathered from all current and previous inspections is shown below by homogenous area (R307-801-9-4).

**The quantities within this report are estimates and are not to be used for bidding purposes.**

<b>SUMMARY OF ASBESTOS CONTAINING MATERIALS FOUND</b>					
<b>MATERIAL TYPE</b>	<b>ASBESTOS</b>	<b>FRIABILITY</b>	<b>*RACM *Category I *Category II</b>	<b>QUANTITY</b>	<b>*LOCATIONS FOUND</b>
Asbestos Cement Siding (Transite)	Assumed	Non-Friable	Category II	1,500 Square Feet	Exterior Wall Panels Of The Building
Asbestos Cement Pipe( Transite)	Assumed	Non-Friable	Category II	500 Linear Feet	Possible Buried Fire Suppression Lines

Table 1

**\*Per UDAQ definition.**

**RACM:** Regulated Asbestos-Containing Material (RACM)" means friable ACM, Category I non-friable ACM that has become friable, Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation project operations.

**Category I Non-Friable ACM:** Asbestos-containing packings, gaskets, resilient floor coverings, or asphalt roofing products containing more than 1% asbestos as determined by using the method specified in 40 CFR Part 763, Subpart E, Appendix E, Section 1, Polarized Light Microscopy (PLM).

**Category II Non-Friable ACM:** Any material, excluding Category I non- friable ACM, containing more than 1% asbestos as determined by using the methods specified in 40 CFR Part 763, Subpart E, Appendix E, Section 1, Polarized Light Microscopy (PLM) that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

**Locations found:** Locations of building materials as described in this report indicate where they were found, but do not necessarily mean that these are the only locations where these materials may be encountered during the project.

Per EPA requirements, all materials analyzed as containing  $\leq 10\%$  asbestos are point counted utilizing EPA method 600/R-93/116 this information is summarized in Table 2.

Per Hill AFB requirements, all materials containing any detectable amount of asbestos shall be handled as Asbestos Containing Material (ACM). Table 2 shows the summary of materials containing  $\leq 1\%$  that were identified via "Point Counting". Per EPA/UDAQ  $\leq 1\%$  is not considered to be an asbestos containing material, but special handling/packaging requirements are necessary per OSHA 29CFR 1926.1101 and 29CFR 1910.1001

MATERIAL TYPE	ASBESTOS	QUANTITY	*LOCATIONS FOUND
N/A	N/A	N/A	N/A

Table 2.

The following is a list of the "Suspect Materials" that were sampled as part of this inspection:	
2'x4' Ceiling Tile, Pockmarks/Pinholes, White	2'x4' Ceiling Tile, Wormygrooves/Pinholes, White
2'x2' Ceiling Tile, Pockmarks/Pinholes, White	12" Acoustical Ceiling Tile, Wormygrooves/Pinholes,
2'x2' Recessed Ceiling Tile, Pockmarks/Pinholes, White	Roof Batt Insulation, Foil/Pink
Ceiling Batt Insulation, White	Drywall/Joint Compound Ceiling System
2'x2' Recessed Ceiling Tile, Textured, White	Textured/Drywall Ceiling System
Drywall/Joint Compound Ceiling System	N/A

Table 3.

A total of 42 samples reference the 11 suspect materials assessed as part of the inspection.

The following table summarizes the sampling data.

Homogenous Building Material, Description, Location, Quantity.	Sample #	Sample Location	Results
2'x4' Ceiling Tile, Pockmarks/ Pinholes Pattern, White, Multiple Locations, 1,900 Square Feet	GM161131	Northeast, Room 136	None Detected
	GM161132	Northeast, Room 136	None Detected
	GM161133	Southwest, Room 136	None Detected
	GM191297	North Center, Room 130	None Detected
	GM191298	West Center, Room 230	None Detected
	GM191299	Center, Room 130	None Detected
	GM191300	Southwest, Room 202	None Detected
2'x4' Ceiling Tile, Wormygrooves/Pinholes Pattern, Multiple Locations, 100 Square Feet	GM191301	Northwest, Room 230	None Detected
	GM191302	North Center, Room 138	None Detected
2'x2' Ceiling Tile, Pockmarks/Pinholes Pattern, White, Multiple Locations, 500 Square Feet	GM191303	Center, Room 138	None Detected
	GM200570	Southeast, Room 185	None Detected
	GM200571	East Center, Room 185	None Detected
	GM200572	East Center, Room 184	None Detected

12" Acoustical Ceiling Tile, Wormygrooves/Pinholes Pattern, White, Room 198, 200 Square Feet	GM200561	Northeast	None Detected
	GM200562	West Center	None Detected
	GM200563	East Center	None Detected
2'x2' Recessed Ceiling Tile, Pockmarks/Pinholes, White, Room 140, 50 Square Feet	GM161935	West Center	None Detected
	GM161936	Northwest	None Detected
	GM161937	Southwest	None Detected
2'x2' Recessed Textured Ceiling Tile, White, Room 250A, 200 Square Feet	GM171369	Southwest	None Detected
	GM171370	West Center	None Detected
	GM171371	Center	None Detected
Roof Batt Insulation, Foil/Pink, Southeast Bay, 200 Square Feet	GM171375	Southeast Of Bay	None Detected
	GM171376	Southeast Of Bay	None Detected
	GM171377	Southeast Of Bay	None Detected
Ceiling Batt Insulation, White, Multiple Locations, 200 Square Feet	GM171366	Southwest, Room 250A	None Detected
	GM171367	Center, Room 250A	None Detected
	GM171368	West Center, 250	None Detected
Drywall/Joint Compound Wall System, Multiple Locations, 1,000 Square Feet	GM101104	Northeast, Room 154	None Detected
	GM101105	Southwest, Room 201	None Detected
	GM101106	Southwest, Room 123	None Detected
	GM200556	Southeast, Room 178	None-Detected
	GM200557	Northwest, Storage Room 179	None-Detected
	GM200558	Southwest, Room 183A	None-Detected
	GM200559	Northeast, Room 198	None-Detected
Textured Drywall/Joint Compound Ceiling System, North Entry, 150 Square Feet	GM200746	Southeast	None Detected
	GM200747	Northeast	None Detected
	GM200748	Northwest	None Detected
Drywall/Joint Compound Ceiling System, Multiple Locations, 300 Square Feet	GM200749	Northwest, Southwest Men's Restroom Entry	None Detected
	GM200750	Northeast, Southwest Men's Restroom Sink Area	None Detected
	GM200751	Northeast, Southwest Women's Restroom Entry	None Detected

**POTENTIAL FOR ADDITIONAL MATERIALS:**

This inspection report only encompasses the areas/materials designated within the scope of work that was provided at the date of inspection (see title page for inspection date). Should the scope of the project be altered in any way or any materials found that are not identified in this report shall require additional assessment. This report cannot be used for any other projects within the building.

Any questions or concerns regarding this inspection report or if any new suspect asbestos containing material (ACM) is encountered, stop work and contact the personnel listed below for further assistance/assessment.

**CONTACT INFORMATION**

**Asbestos/LBP Shop 75 CES(CEOHA)**

**Supervisor:** Traver Andreasen: DSN: (801)586-7094  
Cell: (801)430-3976

Asbestos/LBP Shop Personnel  
DSN:(801)777-8006



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LIMITED LEAD-BASED PAINT IDENTIFICATION REPORT INFORMATION

SCOPE OF WORK: Repair/Replace Fire Suppression/Alarm System.

1-Table 1 below, summarizes the painted/coated building components that tested positive for Lead Based Paint/Coating. These components should be segregated or abated prior to renovation or demolition, and a composite TCLP taken of the waste before disposal.

2-The condition column is the condition only of the painted/coated component (See final page for all readings/samples).

XRF Analyzer Used: XRF Analyzer XL3t 300 (Serial #96588)

XL Number	Substrate	Component	Color	Lead Reading	Paint Condition
1638	Metal	Structural Steel Beam	White	5.29	Good
1639	Metal	Structural Steel Beam	Yellow	4.49	Good
1640	Metal	Structural Steel Angle	Yellow	3.24	Good
1642	Metal	Structural Steel Beam	White	9.53	Good
1643	Metal	Structural Steel Beam	Tan	6.16	Good
1648	Metal	Structural Steel Post S4	Yellow	6.18	Good
1650	Metal	Structural Steel Post S1	Red	3.79	Good

Table 1.

3-The U.S. Department of Housing and Urban Development defines Lead-based paint as any paint, varnish, stain, or other applied coating that has 1 mg/cm<sup>2</sup> as measured by an X-ray Fluorescence (XRF) Analyzer or laboratory analysis or 0.5 percent by weight (5,000 µg/g by dry weight) by laboratory analysis, or more of lead.

**All other components tested were less than 0.80 mg/cm<sup>2</sup>.**

4-Any effort to disturb lead paint can create lead dust. Ensure that appropriate abatement, cleanup, and disposal will be accomplished and that appropriate safety measures are taken IAW 29 CFR 1926.62. If you have any questions concerning this report, contact the Asbestos/LBP Shop: Traver Andreasen at 586-7094.

5-This inspection report only encompasses the areas/materials designated within the scope of work that was provided at the date of the inspection (see title page for date). This report must be modified should the scope of the project be altered in any way or additional materials not previously identified within this report are encountered. This report may not be used for any other projects within the building.

Building: 265 WT/CP#: 5040346

Date: 6 January 2020

Pre Calibration	PbL (mg/cm <sup>2</sup> )	Calibration Range
1616	0.89	Per 20 Second Reading
1617	1.18	
1618	0.98	
<b>Range:</b>	<b>.8 to 1.2</b>	

Model#	Serial #
XRF Analyzer XL3t 300 (Serial #96588)	

Post Calibration	PbL (mg/cm <sup>2</sup> )	Calibration Range
1661	0.99	Per 20 Second Reading
1662	0.97	
1663	1.14	
<b>Range:</b>	<b>.8 to 1.2</b>	

XL Number	Room/Area	Side	Structure	Paint Condition	Substrate	Color	PbL(mg/cm <sup>2</sup> )	NEG/POS
1636	North Entry	West	Wall	Good	Drywall	White	0.01	NEG
1637	North Office Stairwell	North	Wall	Good	Block	White	0.62	NEG
<b>1638</b>	<b>North Office Stairwell</b>	<b>North</b>	<b>Structural Steel Beam</b>	<b>Good</b>	<b>Metal</b>	<b>White</b>	<b>5.29</b>	<b>POS</b>
<b>1639</b>	<b>Upstairs Center Mezzanine</b>	<b>Center</b>	<b>Structural Steel Beam</b>	<b>Good</b>	<b>Metal</b>	<b>Yellow</b>	<b>4.49</b>	<b>POS</b>
<b>1640</b>	<b>Upstairs Center Mezzanine</b>	<b>Center</b>	<b>Structural Steel Angle</b>	<b>Good</b>	<b>Metal</b>	<b>Yellow</b>	<b>3.24</b>	<b>POS</b>
1641	Hallway Outside Room 203A	Center	Ceiling	Good	Drywall	White	0.20	NEG
<b>1642</b>	<b>Jan Kester Conference Room</b>	<b>South</b>	<b>Structural Steel Beam</b>	<b>Good</b>	<b>Metal</b>	<b>White</b>	<b>9.53</b>	<b>POS</b>
<b>1643</b>	<b>Room 230</b>	<b>North</b>	<b>Structural Steel Beam</b>	<b>Good</b>	<b>Metal</b>	<b>Tan</b>	<b>6.16</b>	<b>POS</b>
1644	Room 230	North	1" Fire Suppression Line	Good	Metal	Tan	0.60	NEG
1645	Outside Room 231	Center	1" Fire Suppression Line	Good	Metal	White	0.01	NEG
1646	East Center Mezzanine	West	Structural Steel Beam	Good	Metal	Blue	0.05	NEG
1647	East Center Mezzanine	West	Structural Steel Post	Good	Metal	Blue	0.01	NEG
<b>1648</b>	<b>West Of Tube Shop</b>	<b>West</b>	<b>Structural Steel Post S4</b>	<b>Good</b>	<b>Metal</b>	<b>Yellow</b>	<b>6.18</b>	<b>POS</b>
1649	Tube Shop	North	Wall	Good	Drywall	Tan	0.01	NEG
<b>1650</b>	<b>West Of Tube Shop</b>	<b>South</b>	<b>Structural Steel Post S1</b>	<b>Good</b>	<b>Metal</b>	<b>Red</b>	<b>3.79</b>	<b>POS</b>
1651	Room 180	South	Wall	Good	Block	White	0.01	NEG
1652	Northeast Part Storage	Center	Structural Steel Post	Good	Metal	Brown	0.43	NEG
1653	Northeast Part Storage	South	Fire Riser Valve	Good	Metal	Blue	0.01	NEG
1654	Northeast Part Storage	South	8" Fire Pipe	Good	Metal	Red	0.01	NEG
1655	Northeast Part Storage	South	8" Fire Fitting	Good	Metal	Red	0.01	NEG
1656	Northeast Part Storage	South	6" Fire Fitting	Good	Metal	White	0.01	NEG
1657	Northeast Part Storage	South	6" Fire Pipe	Good	Metal	White	0.01	NEG