

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



ASBESTOS LEAD BASED PAINT LIMITED INSPECTION REPORT

INSPECTION DATE: 12 April 2022

INSPECTION DATE: 03 June 2022 (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: Raudel Arteaga (ASB#-5863: Expires-17 Sept. 2022, PB#-2244: Expires-6 Nov. 2022)

UPGRADE MEZZANINE BREAKROOM AND RECONFIGURE MEZZANINE

WORK TASK/CAPITAL PROJECT #: 9180385 FACILITY: 503 FACILITY CONSTRUCTION DATE: 1995 REQUESTER: MATTHEW LARSEN ORGANIZATION: 309 CMXG REQUESTED: 05 January 2021





THE QUANTITIES WITHIN THIS REPORT ARE ESTIMATES AND SHOULD NOT BE USED FOR BIDDING PURPOSES

PREPARED BY: Raudel Arteaga (ASB#-5863, PB#-2244)

SIGNATURE:



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



LIMITED ASBESTOS INSPECTION REPORT INFORMATION

Statement of Work: Upgrade Mezzanine Breakroom And Reconfigure Mezzanine

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.								
SUMMARY OF ASBESTOS CONTAINING MATERIALS FOUND								
MATERIAL TYPE	ASBESTOS	SBESTOS FRIABILITY *Category I QUANTIT *Category II		QUANTITY	*LOCATIONS FOUND			
N/A	N/A	N/A	N/A	N/A	N/A			

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 ≤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 ≤1% that were identified via "Point Counting". Per EPA/UDAQ ≤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:						
Drywall/Joint Compound Wall System	Epoxy Floor Grey/Light Weight Concrete					

Table 3.

A total of 6 samples reference the 2 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			
Drywall/Joint Compound Wall System, Upper	GM163006	East Center	None-Detected			
Mezzanine Break Room, 2,500 Square Feet	GM163007	Southeast	None-Detected			
Mezzahine Break Room, 2,500 Square Feet	GM163008	Northeast	None-Detected			
Epoxy Floor Grey, Over Light Weight Concrete,	GM221821	West Center, Mezzanine	None-Detected			
Mezzanine, 12,000 Square Feet	GM221822	Southwest, Mezzanine	None-Detected			
Mezzahlile, 12,000 Square Feet	GM221823	Southeast, Mezzanine	None-Detected			
No Concerns Under Carpet in North Side Offices						

Table 4.

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: Taylor Brimberry: DSN: (801)586-7094

Asbestos/LBP Shop Personnel

Cell: (801)940-2970

4



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



LIMITED NEGATIVE LEAD-BASED PAINT INSPECTION REPORT INFORMATION

SCOPE OF WORK: Upgrade Mezzanine Breakroom And Reconfigure Mezzanine

1-Positive Lead based paint readings were not-detected. Please refer to the final page of section of this inspection for all readings.

2-It is possible that lead based paint could be encountered during any renovation project. Additional identification for lead based paint on other building components may be required. The facility manager/Project Manager should ensure that these components are surveyed for lead as well, to meet OSHA Standard 29 CFR 1926.62 construction requirements for lead.

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/cm² as measured by an X-ray Fluorescence (XRF) Analyzer or by laboratory analysis of 0.5 percent by weight (5,000 μ g/g dry weight) or more of lead. All other components tested were less than 1 mg/cm².

XRF Analyzer Used : XRF Analyzer XL3t 300 (Serial #30660)

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 please feel free to call Taylor Brimberry at 586-7094.

5-This inspection report only encompasses the areas/materials designated within the scope of work provided at the date of inspection (see title page for inspection 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.

PbL (mg/cm²)	Calibration Range		Model# XRF Analyzer XL3t 30				Post Calibration	PbL (mg/cm²)	Calibration Range	
1.16	Der 00						1232	1.01	Den 00	
1.14							1233	0.93		
1.06							1234	1.04		
.8 to 1.2	Reading			Paint			Range:	.8 to 1.2	Reading	
Range: .8 to 1.2 XL Number Room/Area		Side	e Structure Co		Condition Su		rate	Color	PbL(mg/cm2)	NEG/POS
Upper Mezzanine Breakroom Upper Mezzanine Breakroom Bay North Of Mezzanine Break Room		East	Wall	Good		Drywall Metal Drywall		White	0.01	NEG
		North	Roof Truss	Good				White	0.01	NEG
		South	Wall	Good				White	0.01	NEG
PbL (mg/cm²)	Calibration Range		Model# Serial # XRF Analyzer XL3t 300 (Serial #30660)		Post Calibration		PbL (mg/cm²)	Calibration Range		
1.07 Bar 20			1675 1676			1675	1.01	Der 20		
0.98						0.97				
0.99							1677	0.94		
.8 to 1.2	Redding			Paint			Range:	.8 to 1.2	rteading	
per Room/Area		Side	Structure	Condition		Subst	rate	Color	PbL(mg/cm2)	NEG/POS
Mezz	anine	East	Wall	Fair		Block		White	0.01	NEG
Mezzanine		East	Wall	Fair		Drywall		White	0.01	NEG
Mezzanine		East	Truss	Good		Metal		White	0.01	NEG
Mezzanine		East	Floor	Good		Concrete		White	0.01	NEG
Mezzanine		East	Structural Steel Column	Good		Met		White	0.01	NEG
	1.14 1.06 .8 to 1.2 Room Upper Mezzan Upper Mezzan Bay North Of Mezz PbL (mg/cm²) 1.07 0.98 0.99 .8 to 1.2 Room Mezz Mezz Mezz	PbL (mg/cm²)Range1.16Reading1.14Second Reading1.06Second Reading.8 to 1.2ReadingUpper Mezzanine BreakroomUpper Mezzanine BreakroomUpper Mezzanine BreakroomBay North Of Mezzanine Break RoomBay North Of Mezzanine Break RoomPbL (mg/cm²)Calibration Range1.07Per 20 Second Reading0.98Second Reading.8 to 1.2Second ReadingMezzanine MezzanineMezzanine	PbL (mg/cm²) Range 1.16 Per 20 1.14 Second 1.06 Reading .8 to 1.2 Second Reading East Upper Mezzanine Breakroom East Upper Mezzanine Breakroom North Bay North Of Mezzanine Break Room South PbL (mg/cm²) Calibration Range 1.07 Per 20 Second Range 1.07 Per 20 Second Reading 0.98 Second Reading 3.8 to 1.2 Side Mezzanine East Mezzanine East Mezzanine East Mezzanine East	PbL (mg/cm²) Range XRF Analyzer XL3t 300 1.16 Per 20 Second 1.14 Second Reading .8 to 1.2 Second Reading .8 to 1.2 Side Structure 0 Model # Wall Upper Mezzanine Breakroom North Roof Truss Bay North Of Mezzanine Break Room South Wall PbL (mg/cm²) Calibration Range Model # 1.07 Per 20 Model # 0.98 Second Reading XRF Analyzer XL3t 300 1.07 Per 20 Second Reading Model # 0.99 Second Reading XRF Analyzer XL3t 300 1.07 Per 20 Second Reading Model # 0.99 Second Reading XRF Analyzer XL3t 300 1.07 Per 20 Second Reading XRF Analyzer XL3t 300 1.07 Per 20 Second Reading XRF Analyzer XL3t 300 1.08 Per 20 Second Reading XRF Analyzer XL3t 300 1.08 Truss Yati Analyzer XL3t 300	PbL (mg/cm²)Range Range1.16 1.14 1.06 ReadingPer 20 Second Reading.8 to 1.2Per 20 Second Reading.8 to 1.2SideRoom/AreaSideSideStructureCondition Upper Mezzanine BreakroomUpper Mezzanine BreakroomEastWallGoodUpper Mezzanine BreakroomNorthRoom/AreaSouthWallGoodUpper Mezzanine BreakroomSouthWallGoodUpper Mezzanine BreakroomSouthModel#SerialPbL (mg/cm²)Calibration Range1.07 0.98 0.99Per 20 Second Reading.8 to 1.2Per 20 Second ReadingNorthStructureModel#Serial Serial StructureMezzanineEastMezzanineEastWallFair Fair MezzanineMezzanineEastWallFair FairMezzanineEastWallFair FairMezzanineEastThe Second ReadingTrussMezzanineEastMezzanineEastMezzanineEastMezzanineEastMezzanineEastMezzanineEastMezzanineEastMezzanineEastMezzanineMallMezzanineMallMezzanineMallMezzanineMallMezzanineMallMezz	PbL (mg/cm²) Range XRF Analyzer XL3t 300 (Serial #3060) 1.16 Per 20 Second 1.14 Second Faint 1.06 Reading Paint 8 to 1.2 Paint Paint 0 Reading Paint 8 to 1.2 Paint Paint 0 Reading Condition 0 Paint Good 0 Per 20 Side Structure 0 Condition Good 0 Per 20 South Roof Truss Bay North Of Mezzanine Break Room South Wall Good Bay North Of Mezzanine Break Room South Wall Good Bay North Of Mezzanine Break Room South Wall Good PbL (mg/cm²) Calibration Range Model# Serial # 1.07 Per 20 Second Reading North Reading 1.07 Per 20 Second Reading Paint 0.99 Reading Image Image 8 to 1.2 Side Structure Condition <td>PbL (mg/cm²) Range XRF Analyzer XL3t 300 (Serial #30660) 1.16 Per 20 Second 1.14 Second Reading .06 Reading Faint .8 to 1.2 Paint Paint Room/Area Side Structure Condition Upper Mezzanine Breakroom East Wall Good Met Bay North Of Mezzanine Breakroom North Roof Truss Good Met Bay North Of Mezzanine Breakroom South Wall Good Dryw PbL (mg/cm²) Calibration Range Model# Serial # 1.07 Per 20 Second Reading XRF Analyzer XL3t 300 (Serial #30660) Truss 1.07 Per 20 Second Reading XRF Analyzer XL3t 300 (Serial #30660) Truss 1.07 Per 20 Second Reading XRF Analyzer XL3t 300 (Serial #30660) Truss 1.07 Per 20 Second Reading XRF Analyzer XL3t 300 (Serial #30660) Truss 1.07 Per 20 Second Reading Truss Second Second Reading Second Second Reading 3.099 Second Read</td> <td>PbL (mg/cm²) Range XRF Analyzer XL3t 300 (Serial #3060) Calibration 1.16 Per 20 Second 1232 1.14 Second Reading 1234 8 to 1.2 Paint 1234 Room/Area Side Structure Condition Substrate Upper Mezzanine Breakroom East Wall Good Drywall Upper Mezzanine Breakroom South Wall Good Drywall Bay North Of Mezzanine Break Room South Wall Good Drywall PbL (mg/cm²) Calibration Range Model# Serial # Post 0.99 Second Reading Model# Serial # Post 1.07 Per 20 Second Reading YRF Analyzer XL3t 300 (Serial #3060) I675 1.09 Second Reading Side Structure Condition Substrate 1.07 Per 20 Second Reading Side Structure Condition Substrate 1.07 Per 20 Second Reading Side Structure</td> <td>PbL (mg/cm²) Range Range XRF Analyzer XL3t 300 (Serial #30660) Calibration (mg/cm²) Calibration 1233 (mg/cm²) 1.16 1.14 Second Reading Per 20 Second Reading Side Structure V Paint 1233 0.93 1234 1.04 8 to 1.2 Paint Paint Range: 8 to 1.2 0.01 White Sto 1.2 Paint Substrate Color Upper Mezzanine Breakroom East Wall Good Drywall White Upper Mezzanine Breakroom North Roof Truss Good Metal White Bay North Of Mezzanine Break Room South Wall Good Drywall White Bay North Of Mezzanine Break Room South Wall Good Drywall White PbL (mg/cm²) Calibration Range Model# Serial # Post Pbl 1.07 Per 20 Second Reading Second Reading XRF Analyzer XL3t 300 (Serial #30660) Ifo75 1.01 1.08 Second Reading Second Reading Color</td> <td>PbL (mg/cm²) Range XRF Analyzer XL3t 300 (Serial #30660) Calibration (mg/cm²) Range 1.16 Per 20 Second Reading Per 20 1232 1.01 Per 20 3.06 Reading Paint Range 1232 1.04 Per 20 8 to 1.2 Paint Range .8 to 1.2 Reading Second Upper Mezzanine Breakroom East Wall Good Drywall White 0.01 Upper Mezzanine Breakroom South Wall Good Drywall White 0.01 Bay North Of Mezzanine Break Room South Wall Good Drywall White 0.01 Bay North Of Mezzanine Break Room South Wall Good Drywall White 0.01 Model# South Wall Good Drywall White 0.01 100 Range South Wall Good Drywall White 0.01 1010 Range South Wa</td>	PbL (mg/cm²) Range XRF Analyzer XL3t 300 (Serial #30660) 1.16 Per 20 Second 1.14 Second Reading .06 Reading Faint .8 to 1.2 Paint Paint Room/Area Side Structure Condition Upper Mezzanine Breakroom East Wall Good Met Bay North Of Mezzanine Breakroom North Roof Truss Good Met Bay North Of Mezzanine Breakroom South Wall Good Dryw PbL (mg/cm²) Calibration Range Model# Serial # 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