



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



ASBESTOS LEAD BASED PAINT LIMITED INSPECTION REPORT

INSPECTION DATE: 03 November 2021

(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: Kyle Daly

(ASB#-7321: Expires-17 Sept. 2022, PB#-2753: Expires-17 March 2024)

REPLACE HVAC UNITS

WORK TASK/CAPITAL PROJECT #: 9292988

FACILITY: 576

FACILITY CONSTRUCTION DATE: 1977

REQUESTER: ERIC LEE

ORGANIZATION: 309 AMXG

REQUESTED: 27 January 2021



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

PREPARED BY: Kyle Daly (ASB#-7321, PB#-2753)

SIGNATURE: _____



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



LIMITED ASBESTOS INSPECTION REPORT INFORMATION

Statement of Work: Replace HVAC Units.

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	FRIABILITY	*RACM *Category I *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/packageing 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:	
Duct Insulation, Foil Over Brown	Duct Sealant, Grey
Duct Board Insulation, Foil Over Yellow	Duct Sealant Tape, Foil Over Black
Duct Sealant, White	Thermal System Pipe Insulation, White Over Yellow
Thermal System Fitting Insulation, White	Drywall Over Joint Compound Wall System

Table 3.

A total of 32 samples reference the 8 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
Duct Insulation, Foil Over Brown, Exterior HVAC Units, 500 Square Feet	GM220244	Southeast, Unit 41571	None-Detected
	GM220245	Southwest, Unit 41571	None-Detected
	GM220246	Center, Unit 41571	None-Detected
	GM220247	Center, Unit 41572	None-Detected
	GM220248	Southwest, Unit 41572	None-Detected
	GM220249	Southeast, Unit 41572	None-Detected
Duct Sealant, Grey, Exterior HVAC Units, 800 Square Feet	GM220250	Southwest, Unit 41571	None-Detected
	GM220251	Center, Unit 41571	None-Detected
	GM220252	Southeast, Unit 4171	None-Detected
	GM220253	Southeast, Unit 41572	None-Detected
	GM220254	Southwest, Unit 41572	None-Detected
Duct Sealant, White, Exterior HVAC Units, 100 Square Feet	GM220255	Center, Unit 41572	None-Detected
	GM220256	Northeast, Unit 41571	None-Detected
	GM220257	Northeast, Unit 41571	None-Detected
	GM220258	Northwest, Unit 41571	None-Detected
	GM220259	Northeast, Unit 41572	None-Detected
	GM220260	Northeast, Unit 41572	None-Detected
Duct Board Insulation, Foil Over Yellow, Exterior HVAC Units, 200 Square Feet	GM220261	Northwest, Unit 41572	None-Detected
	GM220262	Southwest, Unit 41571	None-Detected
	GM220263	Southeast, Unit 41571	None-Detected
Duct Sealant Tape, Silver Over Black, Exterior HVAC Units, 200 Linear Feet	GM220264	Southwest, Unit 41572	None-Detected
	GM220265	Northeast, Unit 41571	None-Detected
	GM220266	Northwest, Unit 41571	None-Detected
Duct Sealant, White, Exterior HVAC Units, 100 Square Feet	GM220267	Northeast, Unit 41572	None-Detected
	GM220268	Southwest, Unit 41571	None-Detected
	GM220269	Southwest, Unit 41571	None-Detected
Thermal System Pipe Insulation, White Over Yellow, Exterior HVAC Units, 100 Linear Feet	GM220270	Southwest, Unit 41572	None-Detected
	GM220271	Southwest, Unit 41571	None-Detected
Thermal System Fitting Insulation, White, Exterior HVAC Units, 4 Linear Feet	GM220272	Southwest Unit 41572	None-Detected
	GM220273	Northwest, East Bay	None-Detected
Drywall Over Joint Compound Wall System, Multiple Locations, 100 Square Feet	GM220274	Northeast, West Bay	None-Detected
	GM220275	North Center, West Bay	None-Detected

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
Cell: (801)940-2970

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



**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: Replace HVAC Units.

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 µg/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.

Pre Calibration	PbL (mg/cm ²)	Calibration Range
3589	0.87	Per 20 Second Reading
3590	0.84	
3591	1.18	
Range:	.8 to 1.2	

Model#	Serial #
XRF Analyzer XL3t 300 (Serial #30660)	

Post Calibration	PbL (mg/cm ²)	Calibration Range
3634	0.98	Per 20 Second Reading
3635	1.02	
3636	0.86	
Range:	.8 to 1.2	

XL Number	Room/Area	Side	Structure	Paint Condition	Substrate	Color	PbL(mg/cm ²)	NEG/POS
3617	HVAC Unit 41571	East	Exterior Wall	Fair	Metal	Brown	0.01	NEG
3618	HVAC Unit 41571	East	Structural Base	Poor	Metal	Brown	0.01	NEG
3619	HVAC Unit 41572	East	Exterior Wall	Fair	Metal	Brown	0.01	NEG
3620	HVAC Unit 41572	East	Structural Base	Poor	Metal	Brown	0.01	NEG
3621	Exterior	North	Ballard	Fair	Metal	Brown	0.03	NEG
3622	Exterior	North	Siding	Fair	Metal	Yellow	0.01	NEG
3623	Exterior	North	Wall	Good	Black	Tan	0.01	NEG

Pre Calibration	PbL (mg/cm ²)	Calibration Range
3895	0.98	Per 20 Second Reading
3899	0.84	
3900	1.15	
Range:	.8 to 1.2	

Model#	Serial #
XRF Analyzer XL3t 300 (Serial #30660)	

Post Calibration	PbL (mg/cm ²)	Calibration Range
3925	1.13	Per 20 Second Reading
3926	1.05	
3927	0.94	
Range:	.8 to 1.2	

XL Number	Room/Area	Side	Structure	Paint Condition	Substrate	Color	PbL(mg/cm ²)	NEG/POS
3898	Bay	North	Duct	Good	Metal	Off-White	0.01	NEG
3899	Bay	North	Wall	Good	Drywall	Off-White	0.01	NEG
3900	Bay	North	Wall	Good	Block	Off-White	0.01	NEG