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

# ASBESTOS
# LEAD BASED PAINT
# LIMITED INSPECTION REPORT

**INSPECTION DATE: 01 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: Kyle Daly**

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

**INSTALL NEW CHILLERS**

**WORK TASK/CAPITAL PROJECT #: 7471995**
**FACILITY: 118**
**FACILITY CONSTRUCTION DATE: 1980**
**REQUESTER: CURTIS WRIGHT**
**ORGANIZATION: 388 FW**
**REQUESTED: 05 March 2020**

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

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

**SIGNATURE:** DALY.JOHN.KYLE.1590487178 Digitally signed by DALY.JOHN.KYLE.1590487178 Date: 2022.06.10 09:10:55 -06'00'

**DEPARTMENT OF THE AIR FORCE**
**75 CIVIL ENGINEERING (CEOHA)**
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Hill Air Force Base

## LIMITED ASBESTOS INSPECTION REPORT INFORMATION

**Statement of Work:** Install new chillers.

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/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: | |
|---|---|
| Stucco Wall, Tan | Thermal System Pipe Insulation, White Over Yellow |
| Thermal System Fitting Insulation, Brown | Thermal System Lagging Insulation, Silver Over White |
| Drywall Over Joint Compound Wall System | |

Table 3.

A total of 14 samples reference the 5 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 |
|---|---|---|---|
| Stucco Wall, Tan, Exterior, 200 Square Feet | GM221802 | Northwest | None-Detected |
| | GM221803 | Northeast | None-Detected |
| | GM221804 | North Center | None-Detected |
| Thermal System Pipe Insulation, White Over Yellow, Exterior, 300 Linear Feet | GM221805 | Northwest | None-Detected |
| | GM221806 | Northeast | None-Detected |
| | GM221807 | Northeast | None-Detected |
| Thermal System Fitting Insulation, Brown, Exterior, 20 Linear Feet | GM221808 | Northeast | None-Detected |
| | GM221809 | Northeast | None-Detected |
| | GM221810 | Northwest | None-Detected |
| Thermal System Lagging Insulation, Silver Over White, Exterior, 200 Linear Feet | GM221811 | Northeast | None-Detected |
| | GM221812 | Northeast | None-Detected |
| | GM221813 | Northwest | None-Detected |
| Drywall Over Joint Compound Wall System, Electrical Room, 75 Square Feet | GM221814 | East Center | None-Detected |
| | GM221815 | Northeast | 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

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## LIMITED NEGATIVE LEAD-BASED PAINT INSPECTION REPORT INFORMATION

**SCOPE OF WORK:** Install new chillers.

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 #96588)

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/cm²) | Calibration Range |
|---|---|---|
| 1408 | 1.01 | Per 20 Second Reading |
| 1409 | 1.16 | |
| 1410 | 1.06 | |
| Range: | .8 to 1.2 | |

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

| Post Calibration | PbL (mg/cm²) | Calibration Range |
|---|---|---|
| 1413 | 0.96 | Per 20 Second Reading |
| 1414 | 0.86 | |
| 1415 | 1.15 | |
| Range: | .8 to 1.2 | |

| XL Number | Room/Area | Side | Structure | Paint Condition | Substrate | Color | PbL(mg/cm2) | NEG/POS |
|---|---|---|---|---|---|---|---|---|
| 1411 | Electrical Room | North | Wall | Good | Drywall | White | 0.01 | NEG |
| 1412 | Exterior | East | Edge Cap | Good | Stucco | Tan | 0.01 | NEG |