

**DPW PROJECT 20-910
HEADQUARTERS BUILDING
IDAHO DEPARTMENT OF TRANSPORTATION
BOISE, IDAHO**

**ASBESTOS-CONTAINING BUILDING MATERIAL
SURVEY AND ASSESSMENT REPORT**



FEBRUARY 2021

AECOM



February 11, 2021

Mr. Josh Lewis
STATE OF IDAHO
Division of Public Works
502 N. 4th Street
P.O. Box 83720
Boise, Idaho 83720-0072

SUBJECT: DPW PROJECT #20-910
HEADQUARTERS BUILDING
IDAHO DEPARTMENT OF TRANSPORTATION
BOISE, IDAHO

Dear Josh:

Enclosed are four hard copies (two for DPW and two for the Department of Transportation) of the Asbestos Survey Report for the Idaho Department of Transportation (ITD) – Headquarters Building. One PDF copy was sent via email to both agencies. The Headquarters Building is located at 3311 West State Street in Boise, Idaho. The Headquarters Building is in good-to-fair condition and was occupied at the time of the survey.

The following regulated asbestos-containing materials (ACM) were identified during the survey: friable sprayed and troweled-on fire-proofing and over-spray found above the suspended and hard ceilings; friable spray-on texture located within the auditorium; non-friable brown 9-inch vinyl floor tile (room 119) and the residual black floor tile mastic found beneath vinyl floor tiles and carpeting in various locations; friable paper duct tape applied to the joint and seams found on metal HVAC located above the ceilings throughout the building; friable TSI mudded fitting and pipe run insulation found on the domestic and heating and cooling pipelines located throughout the building; and the non-friable black felt paper found beneath the canvas covering on the black pumice-like pipe insulation found in various locations.

The friable and non-friable ACM are in fair-to-good condition and can be managed in place; however, care needs to be taken not disturb the friable spray-on fire-proofing and its associated over-spray as well as the friable TSI fittings and pipe run insulation.

If you should have any questions, please call me at (208) 890-5062.

Sincerely,

Tim A. Bird
Asbestos Project Manager

Enclosure as Stated
cc: File 3326-20910.01

**ASBESTOS-CONTAINING BUILDING MATERIAL
SURVEY AND ASSESSMENT REPORT**

**DPW PROJECT #20-910
HEADQUARTERS BUILDING
IDAHO DEPARTMENT OF TRANSPORTATION
BOISE, IDAHO**

**PREPARED FOR:
STATE OF IDAHO
DIVISION OF PUBLIC WORKS
502 N. 4TH STREET
BOISE, IDAHO 83720**

PREPARED BY:



**P.O. BOX 73
BOISE, IDAHO 83729
3326.20910.01**

FEBRUARY 2021

ASBESTOS SURVEY AND ASBESTOS REPORT

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1.0 INTRODUCTION

1.1 Background and Scope

The Idaho Department of Transportation Headquarters Building is located at 3311 West State Street in Boise, Idaho. The Headquarters Building is a three-story concrete, steel, CMU block and wood/metal framed structure consisting of approximately 102,000 square feet of floor space. The building is comprised of a main floor (ground level), two upper floors, a basement mechanical room and tunnel, and a penthouse mechanical room located on the roof of the main structure.

From December 29th through December 31st, 2020 Tim Bird of AECOM – N&E Technical Services, LLC (AECOM) conducted an inspection and survey for asbestos-containing materials (ACM) within the ITD Headquarters Building. This inspection and survey were conducted at the request of the Idaho Division of Public Works (DPW) represented by Josh Lewis, Asbestos Program Coordinator and included inspection of the building to facilitate future renovation and selective demolition activities within the building.

AECOM was authorized to survey and collect samples of all accessible suspect building materials and components (with the exception of the roofing components) for the presence of asbestos, to verify condition, location, and quantity of ACM, and to make recommendations and provide estimates regarding removal cost of ACM throughout the building.

It should be noted that the facility has undergone renovations and mechanical upgrades within the penthouse, basement mechanical rooms and various other locations throughout the building.

1.2 Summary of Findings

The Headquarters Building was occupied during the inspection and is in good-to-fair condition. The building has undergone multiple renovations over time. At some point after the initial construction, the southeast wing, which house the ETS and computer room, was added to the building.

Asbestos-containing materials (ACM) are present within the building. It was apparent that ACM removal has occurred over the years to facilitate renovation of the first, second, and third floors' office spaces, and up-grading of the mechanical systems within these spaces and within the basement and the penthouse mechanical rooms. The ACM that remain is in fair-to-good condition and can be managed in place.

1.2.1 Regulated Asbestos-containing Materials

Regulated asbestos-containing materials identified during the inspection include: (1) friable spray and troweled-on fire proofing and associated over-spray (5% Chrysotile) applied to the ceiling decks located on the first, second and third floors; over-spray is found on some of the ductwork, electrical conduit, and on the top section of the walls original interior walls found above the ceilings; (2) friable spray-on ceiling texture (brown scratch coat - 15% Chrysotile) applied to the auditorium ceiling and top section of the rear wall; (3) non-friable brown 9-inch vinyl floor tile (3% Chrysotile) located within room 119 telephone equipment room; (4) non-friable residual black floor tile mastic (4% Chrysotile) found beneath carpeting in various locations; (5) friable paper duct tape (85% Chrysotile) applied to the joint and seams found on metal HVAC located above the ceilings throughout the building; (6) friable TSI mudded fitting (5% Chrysotile) and pipe run insulation (10% Chrysotile) found on the domestic and

heating and cooling pipelines located throughout the building; (7) and the non-friable black felt paper (10% Chrysotile) found beneath the canvas covering found on the black pumice-like pipe insulation found in various locations throughout the building.

As mentioned earlier, the asbestos-containing materials were found to be in fair-to-good condition and can be managed in place. The friable and non-friable asbestos-containing materials if not managed properly, may become damaged and release fibers into the surrounding atmosphere (airborne), which poses a potential health threat to the building occupants and state employees.

It is highly recommended that special care be taken not disturb the friable spray-on and troweled-on fireproofing, its associated over-spray as well as the friable spray-on ceiling texture (brown scratch coat), paper duct tape, TSI fittings and pipe run insulation.

The following actions are highly recommended: Isolate and restrict access to space located above the suspended and hard ceilings located within the original segments of the building's first, second and third floors. Any loose fireproofing, overspray, TSI fitting and pipe run insulation, and debris should be properly cleaned up by a competent asbestos abatement contractor prior to conducting any work within these spaces.

Place the asbestos-containing materials in an operation and maintenance program and maintain in-place until the materials can be removed and disposed of properly.

Control access to the asbestos-containing materials, ensuring that the materials are not subjected to sanding, grinding, cutting, drilling, and/or abrading, until a competent abatement contractor can abate the asbestos-containing materials.

Routinely alert all applicable state employees, maintenance and custodial personnel, building occupants, visitors, and outside contractor personnel of the presence of asbestos-containing materials within the building and/or work areas.

If it is determined at any future point that the asbestos-containing materials are about to become damaged (through deterioration, removal, sanding, grinding, drilling, abrading, etc.), implement an abatement program per 29 CFR 1926.1101 OSHA construction standard.

Prior to renovation of those spaces, or demolition of the building where ACM is present, the "regulated" asbestos-containing materials need to be removed by a competent asbestos abatement contractor as required under NESHAP and per 29 CFR 1926.1101 OSHA Construction Standard. The ACM should be disposed of at a facility permitted under 40 CFR Subchapter I to accept asbestos waste.

1.2.2 Non-regulated Building Materials (containing 1% or less asbestos)

The following sampled materials were found not to contain regulated quantities of asbestos:

- Brick and mortar – exterior and some interior walls.
- Stucco finish – exterior concrete foundation walls and slopped exterior walls beneath the windows of the south (ETS and computer) wing.
- Clear silicone caulking – between the porcelain coated exterior walls of the main building.

- Grey silicone caulking – around the windows and between the expansion joints of the main building.
- Light grey caulking – around the windows and between the bricks and stucco located on the exterior of the south (ETS and computer) wing.
- CMU block and mortar – interior walls, various locations.
- Pyrobar (gypsum) block and mortar – interior walls, various locations within the main building.
- Stucco like plaster finish – interior walls and ceiling, located in the penthouse, and the west wing upper level and the basement mechanical rooms within the main building.
- Plaster (smooth) finish – interior walls and ceiling, located on the first, second and third floors, and the west wing of the main building.
- 2’x4’ ceiling tiles (various styles and patterns) – suspended ceiling found in various locations throughout the building.
- 2’x4’ (2’x2” pattern) ceiling tiles – suspended ceiling found throughout the building.
- 2’x2’ (1’x1’ square pattern) ceiling tiles – suspended ceiling, conference room 212.
- 12”x12” ceiling tiles and brown glue dots – concealed spline suspended ceiling system found on the main lobby and entry hallway.
- Drywall and joint compound – original and new interior sheetrock walls found throughout the building.
- Drywall (orange peel pattern) texture –interior walls, various locations throughout the building.
- Vinyl wall covering – applied to the original and new sheetrock walls found in various locations throughout the building.
- Ceramic grout – restroom walls throughout the building.
- Terrazzo flooring – main entry lobby to the building.
- 9-inch vinyl floor tiles (various colors) and mastic (dark brown, tan, and yellow) – exposed 1st floor and concealed beneath blue raised dot vinyl flooring located in the stairwells, and beneath carpeting found in various locations throughout the main building.
- Leveling compound (float) – found beneath the carpeting in various locations on the second and third floors.
- Vinyl floor tiles and mastic – concealed beneath carpet located on the third floor.
- 12-inch vinyl floor tiles (various colors) and mastic – exposed and concealed beneath carpeting.
- New sheet vinyl flooring and cove – large breakroom located on the first floor.
- Blue raised dot vinyl flooring – newer flooring over 9-inch vinyl floor tiles, found within the stairwells located in the main building.
- Vinyl cove base (various colors) with non-asbestos mastic – various locations throughout the building.
- Gasket material – inspection plate on north end of tank in the basement mechanical room.
- New TSI (fiberglass) pipe-run insulation with white coated ends and plastic fittings – found on the steam, chilled and domestic water lines.
- TSI pipe-run insulation (canvas and foil covered fiberglass) with mudded fittings – found on the original hot water heating, chilled water, and domestic water lines.
- Canvas covered fiberglass duct insulation – found on the exterior of the HVAC ducts.
- Black coated yellow fiberglass duct insulation – inside of the HVAC air handlers.
- Foil covered fiberglass insulation – found on the metal wall of the air handler in the penthouse and on the exterior of the HVAC ducts found in various locations throughout the building.
- Yellow (uncovered) fiberglass duct insulation –found on the exterior of the HVAC ducts found in various locations.

- Black foam insulation – found inside the air handlers, upper level mechanical room and on the chiller compressor unit within the basement mechanical room.
- Vibration cloth – found between the air handlers and ducts.
- Poly covered fiberglass duct insulation – located on HVAC flexible ducts found in various locations.
- Batt insulation – found in various locations throughout the building.

1.2.3 Sample Analysis and Methodology

All samples of suspect ACM presented in this report have been analyzed by Polarized Light Microscopy (PLM). If any of the samples taken of a homogeneous material were positive for asbestos at greater than 1 percent (>1%), the material, in its entirety, was considered to contain asbestos.

Each sample listed within the report is identified by a unique alpha/numeric sample designation, such as HQ-01. The two letters designate “Headquarters Building” and final two digits represent a sequential number of samples taken within the building. See Section 2.0, Survey Results, for photographic documentation, description, and location of all sampled materials.

As stated previously, prior to renovation of those spaces or demolition of the building where ACM is present, the “regulated” asbestos-containing materials need to be removed by a competent asbestos abatement contractor as required under NESHAP and per 29 CFR 1926.1101 OSHA Construction Standard. The ACM should be disposed of at a facility permitted under 40 CFR Subchapter I to accept asbestos waste.

The conclusions provided within this report are professional opinions based solely upon visual site observations and interpretations of analyses as previously described. The opinions presented herein apply to the site conditions existing at the time of the site inspection, our limited access to asbestos-containing material during the survey, and interpretation of current regulations pertaining to asbestos-containing materials. Therefore, these opinions and recommendations may not apply to future conditions that may exist at the site. All applicable federal, state and local regulations should always be verified prior to any work that may disturb suspected ACM.

1.3 Preliminary Cost Estimates

The following preliminary cost information reflects cost estimates used throughout the industry and is based on removal of all ACM within the building as a single abatement project, with the building unoccupied. The abatement costs are based on the State’s standard PCM clearance requirements.

No abatement cost estimate is being provided due to inability to accurately quantify the actual scale and scope of the work required to remediate the following asbestos-containing materials: asbestos-containing spray and troweled-on fire-proofing and over-spray, friable paper duct tape, and TSI mudded fittings and pipe run insulation concealed above ceilings and within the walls and in the tunnels, and the non-friable black felt paper found beneath the canvas covering found on the black pumice-like pipe insulation found in various locations throughout the building. Abatement methods, strategies and costs will need to be addressed at the time of the remediation.

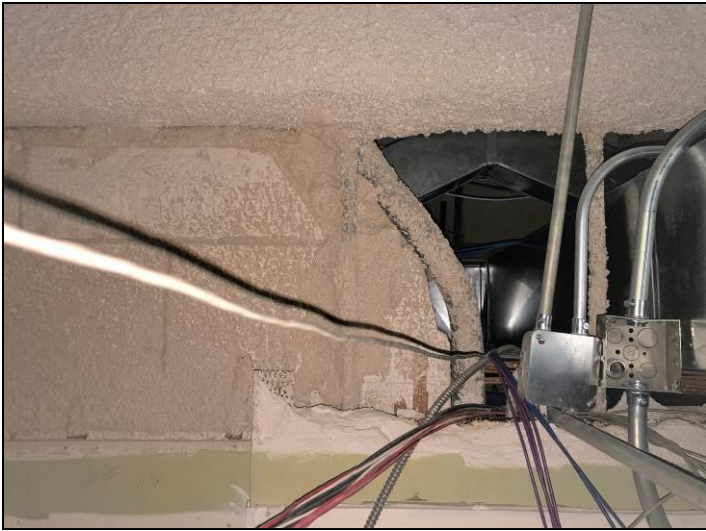
This is not a recommendation for removal, but a monetary budget guide in case removal, renovation, or demolition should be undertaken. Reinstallation and replacement cost estimates would have to be considered at the time of future abatement due to possible renovation.

Preliminary abatement cost estimates are:

<u>Material Description</u>	<u>Abatement</u>
• Spray-on ceiling texture – found within the auditorium, approximately 3,000 SF	\$120,000.00
• 9-inch vinyl floor tile – located within room 119, approximately 150SF	\$6,000.00
• Residual black floor tile mastic – found beneath carpeting in various locations on the first floor, approximately 1,300 SF	<u>\$46,000.00</u>
	Total \$172,000.00

2.0 SURVEY RESULTS

2.1 Photo Log of Regulated ACM (Materials containing >1% of Asbestos)



1. View of the friable asbestos-containing spray-on fire-proofing and over-spray located above the suspended and hard ceilings found in various locations throughout the building.

2. View of the friable asbestos containing spray-on ceiling texture found within the auditorium.



3. Close-up view of the friable asbestos-containing brown scratch coat found beneath the spray-on popcorn ceiling texture located in the auditorium.



4. **View of the asbestos-containing brown 9-inch vinyl floor tile and black mastic located within room 119 telephone equipment room.**

5. **View of the asbestos-containing residual black mastic found beneath carpeting in various areas throughout the building.**

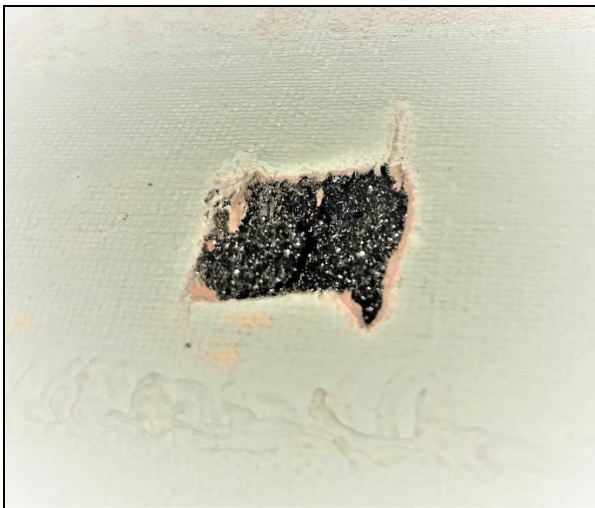


6. **View of the friable asbestos paper duct tape applied to the joints and seams of the metal HVAC ducts found in various locations above the ceilings and in the basement mechanical room.**



7. View of the asbestos-containing TSI fittings and pipe run insulation found in the penthouse mechanical room. These materials are similar to those found in various other locations within the building.

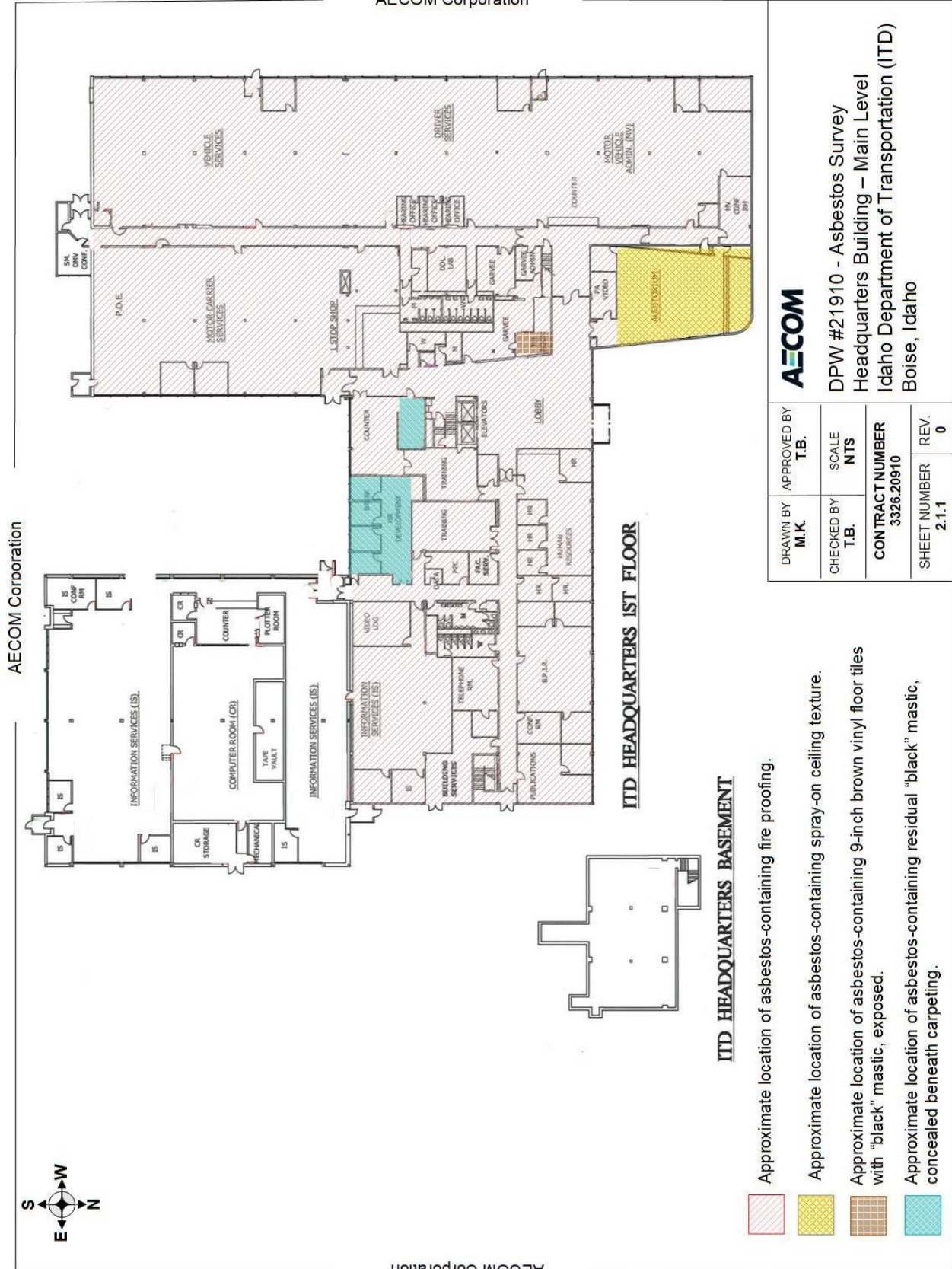
8. View of the canvas covering found over the asbestos felt paper on the black pumice-like pipe insulation. This material is found in various locations throughout the building.



9. Closeup view of the asbestos-containing felt paper on the black pumice-like insulated pipes found within the building.

2.2 Reference Floor Plans

AECOM Corporation



2.3 Photo Log of Materials Containing 1% or Less Asbestos



1. View of the non-asbestos brick and mortar, stucco finish, and the grey and light grey caulking found on the exterior of the building.

2. View of the non-asbestos silicone caulking found between the porcelain wall panels located on the exterior of the penthouse.

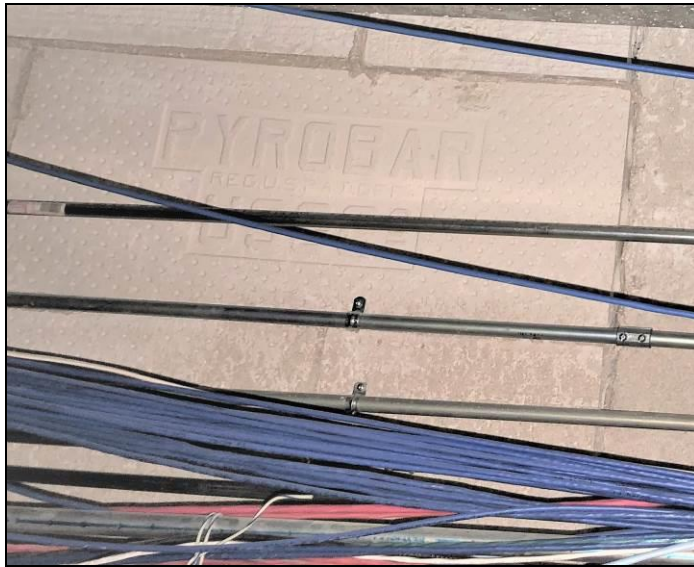


3. View of the non-asbestos expansion joint caulking found between the porcelain panels located on the exterior of the lower section of the main building.



4. View of the non-asbestos CMU block/mortar and the stucco-like plaster finish found on the ceilings and walls found in various locations throughout the building.

5. View of the non-asbestos pyrobar block and mortar used to construct the interior walls within the original segment of the building.



6. View of the non-asbestos 2'x4' suspended ceiling tiles found in various locations throughout the building.



7. View of the non-asbestos 2'x4' (2'x2' pattern) ceiling tiles found in various locations within the building.

8. View of the non-asbestos 2'x2' ceiling tiles found in various locations throughout the building. Also shows the non-asbestos vinyl wall covering found on the hallway walls.



9. View of the non-asbestos 12"x12" concealed spline ceiling tiles and the non-asbestos fiberglass duct insulation found in various locations throughout the building.



10. View of the drywall (sheetrock) and joint compound found on the interior walls located throughout the building. Also shows the non-asbestos vinyl cove base found in various areas within the building.

11. Closeup view of the non-asbestos vinyl wall covering found in various locations within the main building.



12. View of the non-asbestos ceramic grout found on the restroom walls and floors located throughout the building. Also shows the non-asbestos 12-inch floor tiles found in various locations.



13. View of the non-asbestos terrazzo flooring located in the main entry lobby.

14. View of the non-asbestos 9-inch vinyl floor tile located on the 1st floor. Dark brown, tan, and yellow mastic were used to adhere the tile to the concrete flooring. Similar tile is concealed beneath the blue raised dot vinyl flooring located in the stairwells.



15. View of the new non-asbestos 12-inch vinyl floor tiles found within the auditorium located on the main level of the building.



16. View of the new non-asbestos sheet vinyl flooring and cove base found in the large breakroom located on the first floor.

17. View of the non-asbestos blue raised dot vinyl flooring found within the stairwells. Non-asbestos 9-inch vinyl floor tiles were found beneath the vinyl flooring.



18. View of the non-asbestos gasket material located at the inspection plate found on the north end of the lager tank located in the basement mechanical room.



19. View of the non-asbestos TSI (new fiberglass) pipe-run insulation with white plastic fittings found in the basement mechanical room. Also shows the non-asbestos coating applied to the exposed end of the insulation.

20. View of the non-asbestos poly covered and uncovered fiberglass duct insulation. Also shows the non-asbestos batt insulation found above the ceilings.



21. View of the non-asbestos foil covered fiberglass insulation found on the metal wall between the air handler and the penthouse mechanical room. Similar materials were found on the exterior of the HVAC ducts found in various locations throughout the building.

2.4 Laboratory Report/Chain of Custody/Inspector Certification




680 South Progress Avenue, Suite 2A
Meridian, Idaho 83642
208-813-6160
www.TheLandRGroup.com

Attention: Idaho Division of Public Works		LIMS ID: 21010407	
PO Box 83720	Received Date: 01/04/2021	L&R Client ID: 1016	
Boise ID 83720	Analysis Date: 01/05/2021	L&R Project ID: 210006T	
Project: Asbestos Survey ITD HQ Bldg	Phone: 208-322-1908	Analyst: Laurie Kuther	

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	% Fibrous	Non-Asbestos		Asbestos % Type
				% Non-Fibrous		
HQ-01 21010407.01	Brick/Mortar exterior walls west wing	Brick, Firm, Granular, Homogenous / Red/White		100% Other		None Detected
Comment :						
HQ-02 21010407.02	Brick/Mortar interior of lobby/auditorium	Brick, Firm, Granular, Homogenous / Red/White		100% Other		None Detected
Comment :						
HQ-03 21010407.03	Brick/Mortar exterior walls SE wing ETS/Computer Rm	Brick, Firm, Granular, Homogenous / Red/White		100% Other		None Detected
Comment :						
HQ-04 21010407.04	Stucco finish exterior foundation main bldg.	Stucco, Firm, Granular, Homogenous / Gray		100% Other		None Detected
Comment :						
HQ-05 21010407.05	Stucco finish exterior foundation main bldg.west wing	Stucco, Firm, Granular, Homogenous / Gray		100% Other		None Detected
Comment :						
HQ-06 21010407.06	Stucco finish exterior foundation main bldg. SE wings sloped walls beneath windows	Stucco, Firm, Granular, Homogenous / Gray		100% Other		None Detected
Comment :						
HQ-07 21010407.07	Clear silicone caulking between porcelain coated wall panels	Caulking , Soft, Homogenous / Colorless		100% Other		None Detected
Comment :						
HQ-08 21010407.08	Clear silicone caulking between porcelain coated wall panels penthouse/ext walls main bldg	Caulking , Soft, Homogenous / Colorless		100% Other		None Detected
Comment :						
HQ-09 21010407.09	Gray silicone caulking around windows	Caulking , Soft, Homogenous / Gray		100% Other		None Detected
Comment :						
HQ-10 21010407.10	Gray silicone caulking around windows main building	Caulking , Soft, Homogenous / Gray		100% Other		None Detected
Comment :						


Analyst : **Laurie Kuther**


Reviewed By: **Marisa Trent**

The report is for the exclusive use of the client only and may not be reproduced, except in full, without written approval by The L&R Group (L&R). L&R is an independent laboratory that performed the analysis of these samples at the request of the client named in this report. All samples submitted the L&R laboratory are analyzed by industry approved standards. L&R maintains only liability limited to the amount paid by the client for laboratory analysis. L&R shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken, or courses of conduct implemented by either the client or the client's customer as a result of or based upon the test results. L&R performed the analysis of the samples submitted by using EPA Method 600/R-93/116, and this report pertains only to the samples as submitted to L&R. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. For the identification of the asbestos fibers, resolution limitations exist for the polarized light microscope. Non-friable, organically bound materials may need additional analysis. For this report, asbestos found in samples will be reported in percentages and fiber type, unless otherwise noted.

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Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-11 21010407.11	Lt gray caulking between window frames stucco and bricks walls	Caulking , Soft, Homogenous / Gray		100% Other	None Detected
Comment :					
HQ-12 21010407.12	Lt gray caulking between window frames stucco and brick walls ETS/computer wing	Caulking , Soft, Homogenous / Gray		100% Other	None Detected
Comment :					
HQ-13 21010407.13	CMU block/mortar interior walls	CMU Block, Firm, Granular, Homogenous / Gray		100% Other	None Detected
Comment :					
HQ-14 21010407.14	CMU block/mortar penthouse elev equipment rm	CMU Block, Firm, Granular, Homogenous / Gray		100% Other	None Detected
Comment :					
HQ-15 21010407.15	CMU block/mortar interior various locations	CMU Block, Firm, Granular, Homogenous / Gray		100% Other	None Detected
Comment :					
HQ-16 21010407.16	Pyrobar (gypsum) block/mortar 1st fl	Gasket, Firm, Granular, Cementitious, Layered / Gray/White		100% Other	None Detected
Comment :					
HQ-17 21010407.17	Pyrobar (gypsum) block/mortar 2nd fl beneath plaster walls	Gasket, Firm, Granular, Cementitious, Layered / Gray/White		100% Other	None Detected
Comment :					
HQ-18 21010407.18	Pyrobar (gypsum) block/mortar 3rd fl beneath ceramic tiles	Gasket, Firm, Granular, Cementitious, Layered / Gray/White		100% Other	None Detected
Comment :					
HQ-19 21010407.19	Sprayed-on/troweled on fireproofing 1st fl	Fireproofing, Firm, Homogenous / Tan/White		100% Other	None Detected
Comment :					
HQ-20 21010407.20	Sprayed-on/troweled on fireproofing 2nd fl over plaster ceilings/columns	Fireproofing, Fibrous, Firm, Homogenous / Tan/White		95% Other	5% Chrysotile

Comment :



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	% Fibrous	Non-Asbestos		Asbestos % Type
				% Non-Fibrous		
HQ-21 21010407.21	Sprayed-on fireproofing 3rd fl above suspended ceiling	Fireproofing, Firm, Homogenous / Tan/White		100% Other		None Detected
Comment :						
HQ-22 21010407.22	Sprayed-on fireproofing 3rd fl above suspended ceiling west wing	Fireproofing, Firm, Homogenous / Tan/White		100% Other		None Detected
Comment :						
HQ-23 21010407.23	Spray-on ceiling texture white over brown auditorium	Texture, Fibrous, Firm, Layered / Tan/White		85% Other		15% Chrysotile
Comment : Chrysotile was in brown scratch coat						
HQ-24 21010407.24	Spray-on ceiling texture white over brown auditorium applied to metal lath	Texture, Fibrous, Firm, Layered / Tan/White		85% Other		15% Chrysotile
Comment : Chrysotile was in brown scratch coat						
HQ-25 21010407.25	Stucco like plaster finish penthouse walls/ceilings	Plaster w/ Skim Coat, Granular, Layered / Tan/White		100% Other		None Detected
Comment :						
HQ-26 21010407.26	Stucco like plaster finish west wing upper level mech. room	Plaster w/ Skim Coat, Granular, Layered / Tan/White		100% Other		None Detected
Comment :						
HQ-27 21010407.27	Stucco like plaster finish basement mech room	Plaster w/ Skim Coat, Granular, Layered / Tan/White		100% Other		None Detected
Comment :						
HQ-28 21010407.28	Plaster wall/ceiling 1st fl finish over metal lath	Plaster w/ Skim Coat, Granular, Layered / Tan/White		100% Other		None Detected
Comment :						
HQ-29 21010407.29	Plaster wall/ceiling 2nd fl over pyro block walls	Plaster w/ Skim Coat, Granular, Layered / Tan/White		100% Other		None Detected
Comment :						
HQ-30 21010407.30	Plaster wall/ceiling 3rd fl ceiling (hard)	Plaster w/ Skim Coat, Granular, Layered / Tan/White		100% Other		None Detected
Comment :						



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works

PO Box 83720
Boise ID 83720

Project: Asbestos Survey ITD HQ Bldg **Phone:** 208-322-1908

Received Date: 01/04/2021

Analysis Date: 01/05/2021

LIMS ID: 21010407

L&R Client ID: 1016

L&R Project ID: 210006T

Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-31 21010407.31	Plaster wall finish west side of auditorium	Plaster w/ Skim Coat, Granular, Layered / Tan/White		100% Other	None Detected
Comment :					
HQ-32 21010407.32	Plaster wall finish west wing	Plaster w/ Skim Coat, Firm, Homogenous / White		100% Other	None Detected
Comment :					
HQ-33 21010407.33	Plaster wall finish ceiling tel. equip. rm 119	Plaster w/ Skim Coat, Firm, Granular, Layered / Tan/White		100% Other	None Detected
Comment :					
HQ-34 21010407.34	2'x4' large worm hole pat ceiling tiles 1st fl	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	25% Cellulose 15% Fiberglass5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-35 21010407.35	2'x4' large worm hole pat ceiling tiles 2nd fl various locations	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	25% Cellulose 15% Fiberglass5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-36 21010407.36	2'x4' large worm hole pat ceiling tiles 3rd fl/throughout bldg	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	25% Cellulose 15% Fiberglass5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-37 21010407.37	2'x4' crows foot pat. ceiling tiles	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	25% Cellulose 15% Fiberglass5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-38 21010407.38	2'x4' crows foot pat. ceiling tiles computer area	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	25% Cellulose 15% Fiberglass5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-39 21010407.39	2'x4' crows foot pat. ceiling tiles ETS SE wing	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	25% Cellulose 15% Fiberglass5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-40 21010407.40	2'x4' (2'x2' pat) ceiling tiles S end of west wing	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	35% Cellulose 5% Fiberglass5% Synthetic Fiber	55% Other	None Detected
Comment :					



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works

PO Box 83720
Boise ID 83720

Project: Asbestos Survey ITD HQ Bldg **Phone:** 208-322-1908

Received Date: 01/04/2021

Analysis Date: 01/05/2021

LIMS ID: 21010407

L&R Client ID: 1016

L&R Project ID: 210006T

Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-41 21010407.41	2'x4' (2'x2' pat) ceiling tiles S end of west wing	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	35% Cellulose 5% Fiberglass 5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-42 21010407.42	2'x4' (2'x2' pat) ceiling tiles S end of west wing various locations	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	35% Cellulose 5% Fiberglass 5% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-43 21010407.43	2'x2' small worm (1st fl/west wing) pat ceiling tiles (black grid)	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	35% Cellulose 5% Synthetic Fiber	60% Other	None Detected
Comment :					
HQ-44 21010407.44	2'x2' small worm pat ceiling tiles (black grid) 2nd Glod grid	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	35% Cellulose 5% Synthetic Fiber	60% Other	None Detected
Comment :					
HQ-45 21010407.45	2'x2' small worm pat ceiling tiles 3rd floor with black grid	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	35% Cellulose 5% Synthetic Fiber	60% Other	None Detected
Comment :					
HQ-46 21010407.46	2'x2' (1'x1' sq pat) ceiling tiles 2nd fl	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	20% Cellulose 70% Fiberglass	10% Other	None Detected
Comment :					
HQ-47 21010407.47	2'x2' (1'x1' sq pat) ceiling tiles 2nd fl room 212 suspend ceiling	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	20% Cellulose 70% Fiberglass	10% Other	None Detected
Comment :					
HQ-48 21010407.48	2'x2' (1'x1' sq pat) ceiling tiles 2nd fl confer. room 212	Ceiling Tile, Fibrous, Firm, Homogenous / Tan	20% Cellulose 70% Fiberglass	10% Other	None Detected
Comment :					
HQ-49 21010407.49	12"x12" conseal spline ceiling tile brown glue dots	Mastic, Firm, Homogenous / Brown		100% Other	None Detected
Comment :					
HQ-49 21010407.49	12"x12" conseal spline ceiling tile brown glue dots	Ceiling Tile, Fibrous, Homogenous / White	90% Fiberglass	10% Other	None Detected

Comment :



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Report Print Date: 01/08/2021

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Attention: Idaho Division of Public Works

PO Box 83720
Boise ID 83720

Project: Asbestos Survey ITD HQ Bldg **Phone:** 208-322-1908

Received Date: 01/04/2021

Analysis Date: 01/05/2021

LIMS ID: 21010407

L&R Client ID: 1016

L&R Project ID: 210006T

Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-50 21010407.50	12"x12" conseal spline ceiling tile brown glue dots 1st fl main lobby	Mastic, Firm, Homogenous / Brown		100% Other	None Detected
Comment :					
HQ-50 21010407.50	12"x12" conseal spline ceiling tile brown glue dots 1st fl main lobby	Ceiling Tile, Fibrous, Homogenous / White	90% Fiberglass	10% Other	None Detected
Comment :					
HQ-51 21010407.51	12"x12" ceiling tiles/brown glue dots 1st fl	Mastic, Firm, Homogenous / Brown		100% Other	None Detected
Comment :					
HQ-51 21010407.51	12"x12" ceiling tiles/brown glue dots 1st fl	Ceiling Tile, Fibrous, Homogenous / White	90% Fiberglass	10% Other	None Detected
Comment :					
HQ-52 21010407.52	Drywall/joint compound original walls 1st fl	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-53 21010407.53	Drywall/joint compound original walls 2nd fl various locations	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-54 21010407.54	Drywall/joint compound original walls 3rd floor partition walls	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-55 21010407.55	Drywall/joint compound original walls 3rd floor various loc.	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-56 21010407.56	Drywall/joint compound original walls west wing	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-57 21010407.57	Drywall/joint compound original walls west wing various loc.	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected

Comment :



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works
PO Box 83720
Boise ID 83720
Project: Asbestos Survey ITD HQ Bldg
Phone: 208-322-1908

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-58 21010407.58	Drywall/joint compound 1st fl ETS/computer (SE wing) areas	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-59 21010407.59	Drywall/joint compound walls (original) SE wing	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-60 21010407.60	Drywall/joint compound interior wall/partitions	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-61 21010407.61	Vinyl covered (new) modular sheetrock walls 1st floor various loc	Drywall, Fibrous, Layered / Tan/White	15% Cellulose	85% Other	None Detected
Comment :					
HQ-62 21010407.62	Vinyl covered (new) modular sheetrock walls 2nd floor office partitions	Drywall, Fibrous, Layered / Tan/White	15% Cellulose	85% Other	None Detected
Comment :					
HQ-63 21010407.63	Vinyl covered (new) modular sheetrock walls 3rd floor various loc.	Drywall, Fibrous, Layered / Tan/White	15% Cellulose	85% Other	None Detected
Comment :					
HQ-64 21010407.64	Vinyl covered (new) modular sheetrock walls west wing various loc.	Drywall, Fibrous, Layered / Tan/White	15% Cellulose	85% Other	None Detected
Comment :					
HQ-65 21010407.65	New drywall/joint compound 1st floor	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-66 21010407.66	New drywall/joint compound 2nd floor various loc.	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-67 21010407.67	New drywall/joint compound 2nd floor room 212	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works
PO Box 83720
Boise ID 83720
Project: Asbestos Survey ITD HQ Bldg
Phone: 208-322-1908
Received Date: 01/04/2021
Analysis Date: 01/05/2021

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-68 21010407.68	New drywall/joint compound 3rd floor south side	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-69 21010407.69	New drywall/joint compound west wing various loc.	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-70 21010407.70	Drywall texture orange peel 1st fl various loc.	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-71 21010407.71	Drywall texture orange peel 2nd floor various areas	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-72 21010407.72	Drywall texture orange peel 3rd floor various locations	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-73 21010407.73	Drywall texture orange peel SE wing 1st fl ETS/computer	Drywall, Fibrous, Layered / Tan/White	20% Cellulose	80% Other	None Detected
Comment :					
HQ-74 21010407.74	Vinyl wall covering 1st floor main bldg/west wing	Vinyl Wall Covering, Fibrous, Firm, Layered / Tan	35% Synthetic Fiber	65% Other	None Detected
Comment :					
HQ-75 21010407.75	Vinyl wall covering 2nd fl hallway/office spaces	Vinyl Wall Covering, Fibrous, Firm, Layered / Tan	35% Synthetic Fiber	65% Other	None Detected
Comment :					
HQ-76 21010407.76	Vinyl wall covering 2nd fl conference room 212	Vinyl Wall Covering, Fibrous, Firm, Layered / Tan	35% Synthetic Fiber	65% Other	None Detected
Comment :					
HQ-77 21010407.77	Vinyl wall covering 3rd floor elev lobby	Vinyl Wall Covering, Fibrous, Firm, Layered / Tan	35% Synthetic Fiber	65% Other	None Detected
Comment :					
HQ-78 21010407.78	Ceramic tile grout restroom walls 1st floor	Ceramic Tile Grout, Granular, Homogenous / White		100% Other	None Detected



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works

PO Box 83720
Boise ID 83720

Project: Asbestos Survey ITD HQ Bldg **Phone:** 208-322-1908

Received Date: 01/04/2021

Analysis Date: 01/05/2021

LIMS ID: 21010407

L&R Client ID: 1016

L&R Project ID: 210006T

Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
Comment :					
HQ-79 21010407.79	Ceramic tile grout restroom walls 2nd floor RR	Ceramic Tile Grout, Granular, Homogenous / White		100% Other	None Detected
Comment :					
HQ-80 21010407.80	Ceramic tile grout restroom walls 3rd floor RR	Ceramic Tile Grout, Granular, Homogenous / White		100% Other	None Detected
Comment :					
HQ-81 21010407.81	Ceramic tile grout west wing restroom	Ceramic Tile Grout, Granular, Homogenous / White		100% Other	None Detected
Comment :					
HQ-82 21010407.82	Terrazzo flooring main lobby 1st floor	Flooring, Firm, Granular, Homogenous / Tan/White		100% Other	None Detected
Comment :					
HQ-83 21010407.83	9-inch vinyl floor tile/black mastic	Black Mastic, Firm, Homogenous / Black		100% Other	None Detected
Comment :					
HQ-83 21010407.83	9-inch vinyl floor tile/black mastic	Vinyl Tile, Fibrous, Firm, Homogenous / Brown		97% Other	3% Chrysotile
Comment :					
HQ-84 21010407.84	9-inch vinyl floor tile/black mastic telephone equipment rm	Black Mastic, Firm, Homogenous / Black		100% Other	None Detected
Comment :					
HQ-84 21010407.84	9-inch vinyl floor tile/black mastic telephone equipment rm	Vinyl Tile, Fibrous, Firm, Homogenous / Brown		97% Other	3% Chrysotile
Comment :					
HQ-85 21010407.85	9-inch vinyl floor tile/black mastic off of rm 119 west wing	Black Mastic, Firm, Homogenous / Black		100% Other	None Detected
Comment :					
HQ-85 21010407.85	9-inch vinyl floor tile/black mastic off of rm 119 west wing	Vinyl Tile, Fibrous, Firm, Homogenous / Brown		97% Other	3% Chrysotile

Comment :



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Report Print Date: 01/08/2021

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Attention: Idaho Division of Public Works

PO Box 83720
Boise ID 83720

Project: Asbestos Survey ITD HQ Bldg **Phone:** 208-322-1908

Received Date: 01/04/2021

Analysis Date: 01/05/2021

LIMS ID: 21010407

L&R Client ID: 1016

L&R Project ID: 210006T

Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-86 21010407.86	9-inch beige floor tile 1st fl west stairwell beneath blue raised dot vinyl flooring	Floor Tile & Mastic, Firm, Homogenous / Brown/Tan		100% Other	None Detected
Comment :					
HQ-87 21010407.87	9-inch beige floor tile (exposed) 3rd fl landing to roof/penthouse	Floor Tile & Mastic, Firm, Homogenous / Brown/Tan		100% Other	None Detected
Comment :					
HQ-88 21010407.88	9-inch beige floor tile 3rd floor east stairwell beneath blue raised dot vinyl flooring	Floor Tile & Mastic, Firm, Homogenous / Brown/Tan		100% Other	None Detected
Comment :					
HQ-89 21010407.89	9-inch light tan/white vinyl floor tile/yellow mastic	Floor Tile, Firm, Homogenous / Tan		100% Other	None Detected
Comment :					
HQ-90 21010407.90	9-inch light tan/white vinyl floor tile/yellow mastic west exit door from auditorium	Floor Tile, Firm, Homogenous / Tan		100% Other	None Detected
Comment :					
HQ-91 21010407.91	9-inch light tan/white vinyl floor tile/yellow mastic	Floor Tile, Firm, Homogenous / Tan		100% Other	None Detected
Comment :					
HQ-92 21010407.92	Residual black mastic beneath carpet	Mastic, Firm, Homogenous / Black		96% Other	4% Chrysotile
Comment :					
HQ-93 21010407.93	Residual black mastic beneath carpet 1st floor various locations	Mastic, Firm, Homogenous / Black		96% Other	4% Chrysotile
Comment :					
HQ-94 21010407.94	Leveling compound (2nd Fl) (float) beneath carpet	Leveling Compound, Firm, Homogenous / Gray		100% Other	None Detected
Comment :					
HQ-95 21010407.95	Leveling compound (float) beneath carpet 3rd floor	Leveling Compound, Firm, Homogenous / Gray		100% Other	None Detected
Comment :					



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works
 PO Box 83720
 Boise ID 83720
Project: Asbestos Survey ITD HQ Bldg
Received Date: 01/04/2021
Analysis Date: 01/05/2021
Phone: 208-322-1908

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-96 21010407.96	Vinyl floor tile beneath carpet 3rd floor	Floor Tile & Mastic , Firm, Homogenous / Tan/Yellow		100% Other	None Detected
Comment :					
HQ-97 21010407.97	12-inch vinyl floor tile/yellow mastic beneath carpet sqs room 110A	Floor Tile & Mastic , Firm, Homogenous / Tan/Yellow		100% Other	None Detected
Comment :					
HQ-98 21010407.98	12-inch vinyl floor tile/yellow mastic various locations	Floor Tile & Mastic , Firm, Homogenous / Tan/Yellow		100% Other	None Detected
Comment :					
HQ-99 21010407.99	12-inch beige/tan vinyl floor tile/yellow mastic 2nd fl vestibule to men's/janitors rm	Floor Tile & Mastic , Firm, Granular, Homogenous / White		100% Other	None Detected
Comment :					



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works

PO Box 83720
Boise ID 83720

Project: Asbestos Survey ITD HQ Bldg

Received Date: 01/04/2021
Analysis Date: 01/05/2021

Phone: 208-322-1908

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-100 21010407.100	12-inch beige/tan vinyl floor tile/yellow mastic 3rd fl men's rr vestibule/janitors rm	Floor Tile & Mastic , Firm, Granular, Homogenous / Tan/White		100% Other	None Detected
Comment :					
HQ-101 21010407.101	12-inch vinyl floor tile/brown yellow mastic 1st fl HR budget store room	Floor Tile & Mastic , Firm, Granular, Homogenous / Tan		100% Other	None Detected
Comment :					
HQ-102 21010407.102	New 12-inch vinyl floor tile off-white/gray/yellow mastic	Floor Tile & Mastic , Firm, Granular, Homogenous / White		100% Other	None Detected
Comment :					
HQ-103 21010407.103	New 12-inch vinyl floor tile off-white/gray/yellow mastic 1st fl IT server room off to auditorium	Floor Tile & Mastic , Firm, Granular, Homogenous / Gray/White		100% Other	None Detected
Comment :					
HQ-104 21010407.104	Blue gray 12-inch (beneath carpet) vinyl floor tile/yellow mastic rm 117	Floor Tile & Mastic , Firm, Granular, Homogenous / Blue/Gray		100% Other	None Detected
Comment :					
HQ-105 21010407.105	Blue gray 12-inch (beneath carpet) vinyl floor tile/yellow mastic rm 119	Floor Tile & Mastic , Firm, Granular, Homogenous / Blue/Gray		100% Other	None Detected
Comment :					
HQ-106 21010407.106	New 12-inch vinyl (lt gray/blue/pink) florr tile with yellow mastic auditorium	Floor Tile & Mastic , Firm, Granular, Homogenous / Blue/Gray/Pink		100% Other	None Detected
Comment :					
HQ-107 21010407.107	New 12-inch vinyl floor tile off-white/gray/yellow mastic center section beneath chairs auditorium	Floor Tile & Mastic , Firm, Granular, Homogenous / Blue/Gray/Pink		100% Other	None Detected
Comment :					
HQ-108 21010407.108	New sheet vinyl tan, carmel/gray flooring large breakroom 1st fl	Floor Tile & Mastic , Firm, Granular, Homogenous / Blue/Gray/Pink		100% Other	None Detected
Comment :					
HQ-109 21010407.109	New sheet vinyl trim/cover base 1st floor large break room	Sheet Flooring, Fibrous, Firm, Layered / Brown/Orange	60% Cellulose	40% Other	None Detected



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works
PO Box 83720
Boise ID 83720
Project: Asbestos Survey ITD HQ Bldg
Received Date: 01/04/2021
Analysis Date: 01/05/2021
Phone: 208-322-1908

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
Comment :					
HQ-110 21010407.110	Blue vinyl flooring (over 9-inch) 3rd fl east stairwell landing (raised dot pattern)	Sheet Flooring, Firm, Homogenous / Blue		100% Other	None Detected
Comment :					
HQ-111 21010407.111	Blue vinyl flooring raise dot pat. over 9-inch VAT 2nd fl west stairwell landing	Sheet Flooring, Firm, Homogenous / Blue		100% Other	None Detected
Comment :					
HQ-112 21010407.112	Lt. brown vinyl cove base/off-white-tan mastic various locations	Cove Base & Mastic, Firm, Homogenous / Tan/Yellow		100% Other	None Detected
Comment :					
HQ-113 21010407.113	Lt. brown vinyl cove base/off-white-tan mastic main front lobby	Cove Base & Mastic, Firm, Homogenous / Tan/Yellow		100% Other	None Detected
Comment :					
HQ-114 21010407.114	Dark brown vinyl cove base/mastic 1st floor various areas	Cove Base & Mastic, Firm, Homogenous / Brown		100% Other	None Detected
Comment :					
HQ-115 21010407.115	Dark brown vinyl cove base/mastic 2nd fl men's rr vestibule/various locations	Cove Base & Mastic, Firm, Homogenous / Brown/Yellow		100% Other	None Detected
Comment :					
HQ-116 21010407.116	Dark blue vinyl cove base/mastic E stairwell	Cove Base & Mastic, Firm, Homogenous / Blue/Yellow		100% Other	None Detected
Comment :					
HQ-117 21010407.117	Dark blue vinyl cove base/mastic west stairwell	Cove Base & Mastic, Firm, Homogenous / Blue/Yellow		100% Other	None Detected
Comment :					
HQ-118 21010407.118	Dark blue vinyl cove base/mastic 3rd fl SW office spaces	Cove Base & Mastic, Firm, Homogenous / Blue/Yellow		100% Other	None Detected
Comment :					
HQ-119 21010407.119	Gray vinyl cove base/yellow mastic auditorium	Cove Base & Mastic, Firm, Homogenous / Gray/Yellow		100% Other	None Detected

Comment :



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works

PO Box 83720
Boise ID 83720

Project: Asbestos Survey ITD HQ Bldg

Received Date: 01/04/2021
Analysis Date: 01/06/2021


Phone: 208-322-1908

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-120 21010407.120	Gray vinyl cove base/yellow mastic auditorium 3rd fl various locations	Cove Base & Mastic, Firm, Homogenous / Gray/White		100% Other	None Detected
Comment :					
HQ-121 21010407.121	Gray vinyl cove base/mastic south office areas 3rd fl	Cove Base & Mastic, Firm, Homogenous / Gray		100% Other	None Detected
Comment :					
HQ-122 21010407.122	Light blue/gray (4") vinyl cove base E stairwell 3rd fl	Cove Base & Mastic, Firm, Homogenous / Gray/White		100% Other	None Detected
Comment :					
HQ-123 21010407.123	Light blue/gray (4") vinyl cove base west stairwell	Cove Base & Mastic, Firm, Homogenous / Gray/White		100% Other	None Detected
Comment :					
HQ-124 21010407.124	Light blue/gray (4") vinyl cove basevarious loations throughout bldg.	Cove Base & Mastic, Firm, Homogenous / Gray/White		100% Other	None Detected
Comment :					
HQ-125 21010407.125	Paper duct tape joint/seam metal ducts basement mech. rm	Duct Wrapping, Fibrous, Homogenous / Tan/White		15% Other	85% Chrysotile
Comment :					
HQ-126 21010407.126	Paper duct tape joint/seam metal ducts basement 1st fl west wing addition	Duct Wrapping, Fibrous, Homogenous / Tan/White		15% Other	85% Chrysotile
Comment :					
HQ-127 21010407.127	Paper duct tape joint/seam metal ducts various locations 2nd fl (uninsulated ducts)	Duct Wrapping, Fibrous, Homogenous / Tan/White		15% Other	85% Chrysotile
Comment :					
HQ-128 21010407.128	TSI mudded fitting insulation green (painted) pipes west wing upper mech rm	TSI, Fibrous, Soft, Homogenous / White	30% Mineral Wool	70% Other	None Detected
Comment :					
HQ-129 21010407.129	TSI mudded fitting (main bldg.) domestic water line basement tunnel	TSI, Fibrous, Soft, Homogenous / White	30% Mineral Wool	65% Other	5% Chrysotile

Comment :


Analyst : **Laurie Kuther**


Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works
 PO Box 83720
 Boise ID 83720
Project: Asbestos Survey ITD HQ Bldg
Phone: 208-322-1908
Received Date: 01/04/2021
Analysis Date: 01/06/2021

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-130 21010407.130	TSI mudded fitting domestic water lines	TSI, Fibrous, Soft, Homogenous / White	30% Mineral Wool	70% Other	None Detected
Comment :					
HQ-131 21010407.131	TSI mudded fitting dark green (painted) pipe runs penthouse mec. room	TSI, Fibrous, Soft, Homogenous / White	30% Mineral Wool	65% Other	5% Chrysotile
Comment :					
HQ-132 21010407.132	TSI mudded fitting lt. green pipe runs penthouse mec. room	TSI, Fibrous, Soft, Layered / Blue/White	30% Mineral Wool 15% Synthetic Fiber	55% Other	None Detected
Comment :					
HQ-133 21010407.133	TSI mag like pipe run insulation penthouse (salmon orange colored)	TSI, Fibrous, Soft, Layered / Blue/White/Orange	15% Fiberglass 15% Synthetic Fiber	60% Other	10% Chrysotile
Comment :					
HQ-134 21010407.134	TSI mag like pipe run west wing upper level mec room	TSI, Fibrous, Soft, Layered / Blue/White/Orange	15% Fiberglass 15% Synthetic Fiber	60% Other	10% Chrysotile
Comment :					
HQ-135 21010407.135	Gasket material inspection plate (round) northend of tank basement mech. rm	Cork , Firm, Homogenous / Tan		100% Other	None Detected
Comment :					
HQ-136 21010407.136	New fiberglass pipe run insulation canvas cover/white coating basement mech. rm	Insulation, Fibrous, Firm, Layered / Tan/White	50% Fiberglass 5% Cellulose	45% Other	None Detected
Comment :					
HQ-137 21010407.137	Fiberglass pipe run insulation domestic water lines tunnel	Insulation, Fibrous, Homogenous / Yellow	100% Fiberglass	0% Other	None Detected
Comment :					
HQ-138 21010407.138	New F.G. pipe run insulation painted white canvas jacket domestic water 1st floor ETS/computer area	Insulation, Fibrous, Homogenous / Yellow	100% Fiberglass	0% Other	None Detected
Comment :					
HQ-139 21010407.139	TSI pipe run insulation F.G. west wing upper mec. rm	Insulation, Fibrous, Homogenous / Yellow	100% Fiberglass	0% Other	None Detected

Comment :



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works
 PO Box 83720
 Boise ID 83720
Project: Asbestos Survey ITD HQ Bldg
Phone: 208-322-1908
Received Date: 01/04/2021
Analysis Date: 01/06/2021

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-140 21010407.140	New F.G. pipe run insulation painted white over foil basement mec rm	Insulation, Fibrous, Homogenous / Yellow	100% Fiberglass	0% Other	None Detected
Comment :					
HQ-141 21010407.141	New F.G. pipe run insulation/ white coating ends of insulation	Insulation, Fibrous, Firm, Layered / White/Yellow	50% Fiberglass 5% Cellulose	45% Other	None Detected
Comment :					
HQ-142 21010407.142	New F.G. pipe run insulation penthouse mech rm	Insulation, Fibrous, Firm, Layered / White/Yellow	50% Fiberglass 5% Cellulose	45% Other	None Detected
Comment :					
HQ-143 21010407.143	TSI F.G. pipe run insulation painted green over foil penthouse mec. rm	Insulation, Fibrous, Firm, Layered / Green/Silver/Yellow	40% Fiberglass 20% Cellulose	40% Other	None Detected
Comment :					
HQ-144 21010407.144	Pipe run insulation white canvas covered black pumas west wing upper mech rm	Insulation, Fibrous, Firm, Layered / Black/Green/Tan/White	10% Synthetic Fiber 20% Cellulose	60% Other	10% Chrysotile
Comment : Chrysotile in felt layer attached to brittle black material					
HQ-145 21010407.145	Pipe run insulation paint canvas covered black pumas penthouse	Insulation, Fibrous, Firm, Layered / Black/Green/Tan/White	10% Synthetic Fiber 25% Cellulose	65% Other	None Detected
Comment :					
HQ-146 21010407.146	Canvas covered fiberglass duct insulation penthouse mec room	Insulation, Fibrous, Homogenous / Yellow	100% Fiberglass	0% Other	None Detected
Comment :					
HQ-147 21010407.147	Black coated yellow FG duct insulation inside air handler penthouse	Insulation, Fibrous, Firm, Layered / Black/White	70% Fiberglass	30% Other	None Detected
Comment :					
HQ-148 21010407.148	Foil covered F.G. insulation walls of air handler penthouse	Insulation, Fibrous, Layered / Black/Silver/White	50% Fiberglass	50% Other	None Detected
Comment :					
HQ-149 21010407.149	Yellow F.G. duct (above ceiling) insulation metal HVAC duct 2nd fl	Insulation, Fibrous / Yellow	100% Fiberglass	0% Other	None Detected
Comment :					



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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Attention: Idaho Division of Public Works
 PO Box 83720
 Boise ID 83720
Project: Asbestos Survey ITD HQ Bldg
Phone: 208-322-1908
Received Date: 01/04/2021
Analysis Date: 01/07/2021

LIMS ID: 21010407
L&R Client ID: 1016
L&R Project ID: 210006T
Analyst: Laurie Kuther

Analysis of Bulk Materials using Polarized Light Microscopy (EPA Method 600/R-93/116)

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
HQ-150 21010407.150	Foil covered duct insulation 3rd floor	Insulation, Fibrous, Firm, Layered / Silver/Tan/Yellow	50% Fiberglass 25% Cellulose	25% Other	None Detected
Comment :					
HQ-151 21010407.151	Black foam insulation (basement mech. rm) exterior of chiller compressor unit	Foam Insulation, Soft, Homogenous / Black/White		100% Other	None Detected
Comment :					
HQ-152 21010407.152	Black foam insulation inside air handler west wing upper mec. rm	Foam Insulation, Soft, Homogenous / Black		100% Other	None Detected
Comment :					
HQ-153 21010407.153	Vibration cloth between HVAC ducts penthouse/west wing mech. rm	Cloth, Fibrous, Homogenous / Brown	90% Synthetic Fiber	10% Other	None Detected
Comment :					
HQ-154 21010407.154	Plastic covered fiberglass flex duct insulation various locations	Insulation, Fibrous, Firm, Layered / Gray/Pink	70% Fiberglass	30% Other	None Detected
Comment :					
HQ-155 21010407.155	Batt insulation above ceiling tiles various locations	Insulation, Fibrous, Homogenous / Pink	100% Fiberglass	0% Other	None Detected
Comment :					



Analyst : **Laurie Kuther**



Reviewed By: **Marisa Trent**

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**ASBESTOS/LEAD CHAIN OF CUSTODY/
SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone #: (208) 332-1908
 Contact Person: Josh Lewis
 Project/PO #: DPW Project # 20-910

AECOM - N&E Technical Services, LLC
 756 East Winchester Street, Suite 400
 Salt Lake City, UT 84107

Contract Person: Tim A. Bird WFO # 3326.20910
 Project Name: Asbestos Survey ITD Boise HQ Bldg
 Analysis Type: PCM TEM LEAD AIR HELP OAC (SPH) CMC
 Turnaround Time: 24 Hrs Standard Requested Hard Copy E Mail
 Sample Status: Retain by client Archive Sample for One Year

No. _____
 Special Notes: Standard Turn
 Please email results/CoC to
 Timon.bird@acenv.com
 Thank you!

Calibration Method: Tim Bird

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump #	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Analyst	Fibers/Field	Firm	Fics
1	HQ-21	12-29-2019	Bulk	Sprayed-on Fireproofing 3rd fl above suspended ceiling										
2	HQ-22			" " " "										
3	HQ-23			Westwing spray-on ceiling textures white over brown Auditorium										
4	HQ-24			" " " " applied to metal lath										
5	HQ-25			stucco like plaster finish Penthouse walls/ceilings										
6	HQ-26			" " " " west wing upper level Mech. Room										
7	HQ-27			" " " " Basement Mech Room										
8	HQ-28			Plaster wall ceiling 1st fl finish over metal lath										
9	HQ-29			" " " " over Pyro block walls										
10	HQ-30			" " " " Ceiling (Hard)										

NOTE: P - Personal; EL - Enclosure; FA - Pre-Abatement; C - Clearance; IWA - Inside Work Area; OWA - Outside Work Area; NAM - Negative Asbestos Matrix; F - High; LF - Low; FFF -
 Requested by (Date/Time): 1-4-2021
 Requested by (Date/Time):
 Received by (Date/Time):
 3 of 16

**ASBESTOS/LEAD CHAIN OF CUSTODY/
SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone #: (208) 332-1908
 Contact Person: Josh Lewis
 Project/PO #: DPW Project # 20-910

AECOM - N&E Technical Services, LLC
 756 East Winchester Street, Suite 400
 Salt Lake City, UT 84107

Contract Person: Tim A. Bird WO #3326, 20910
 Project Name: Asbestos Survey ITD Boise HQ Bldg
 Analysis Type: PLM PM TEM LEAD AIR IAH IEM IEM IEM
 Turnaround Time: 24 Hour 48 Hour Standard Requested
 Sample Status: Release for client Archive Sample for One Year

No. _____
 Special Notes: Standard form
 Please email results/loc to
 Timen.bird@acem.com
 Thank you!

Samples Collected by: Tim Bird

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump #	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Analyst	Fibers Fields	F/mm	F/pc
1	HQ-41	12-29-2020	Bulk	2'x4' (2'x2' Pat)										
2				Ceiling Tiles Send of west wing										
3	HQ-42			Various locations										
4	HQ-43			2'x2' Small worm (1st Floor west wing)										
5	HQ-44			hole Pat Ceiling Tiles (Black Grid)										
6	HQ-45			2nd Glod grid										
7	HQ-46			3rd Floor w/ Black grid										
8	HQ-47			2'x2' (1'x1' sg Pat)										
9	HQ-48			Ceiling Tiles 2nd Fl										
10	HQ-49			Room 212 Suspend Ceiling										
11	HQ-50			Confer. Room 212										
12				12'x12' Con Seal										
13				Spine Ceiling Tile										
14				Brown glue dots										
15				1st Fl Main Lobby										

Received by (Date/Time): 7-4-2021
 Requested by (Date/Time): _____
 DWA - Outside Vent Area N/A
 Negative Air Machine Exhaust HF - High Flow LF - Low Flow
 Received by (Date/Time): 5 of 16

**ASBESTOS/LEAD CHAIN OF CUSTODY/
SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone #: (208) 332-1908
 Contact Person: Josh Lewis
 Project/PO #: DPW Project # 20-910

AECOM - N&E Technical Services, LLC
 758 East Winchester Street, Suite 400
 Salt Lake City, UT 84107

Client Person: Tim A. Bird W.O. # 3326.20910
 Project Name: Asbestos Survey ITD Boise HQ Bldg
 Analysis Type: Bulk Standard Archetype Sample for One Year
 Turnaround Time: 21 Days Standard Archetype Sample for One Year
 Sample Status: Request by Client Archetype Sample for One Year

No. _____
 Special Notes: Standard Turn
 Please email results/CoC to
 Timon.bird@arex.com
 Thank you!

Capitalization Method

Samples Collected by Tim Bird

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump#	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Analyst	Fibers/Fields	F/mm	F/cc
1	HQ-51	12-29-2020	Bulk	12" X 12" Ceiling Tiles/Brown Glue dots 1 st Fl.										
2	HQ-52			Dry wall/Joint (1 st Fl)										
3	HQ-53			Compound original walls										
4	HQ-54			2 nd Fl Various Locations										
5	HQ-55			3 rd Floor Partition walls										
6	HQ-56			3 rd Floor Various Loc. West wing										
7	HQ-57			original Sheetrock walls										
8	HQ-58			West wing various Loc. Dry wall/Joint compound										
9	HQ-59			ETS/Computer (SE wing) Areas										
10	HQ-60			Walls (original) S.E. wing										
				Interior wall/partitions										

Request by (Date/Time): 7-4-2021 Requested by (Date/Time): _____
 Requested by (Date/Time): _____ Requested by (Date/Time): _____
 Received by (Date/Time): _____
 Page: 6 of 6



AECOM - N&E Technical Services, LLC
 758 East Winchester Street, Suite 400
 Salt Lake City, UT 84107

**ASBESTOS/LEAD CHAIN OF CUSTODY/
 SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone #: (208) 332-1908
 Contact Person: Josh Lewis
 Project/PO #: DPW Project # 20-910

No.

Special Notes: Standard Turn
 Please email results/Col to
 Timon.bird@atextam.com
 Thank you!

Contact Person: Tim A. Bird WO # 3326.20910
 Project Name: Asbestos Survey ITD Boise HQ Bldg

Analysis Type: Bulk PCM TEM LEAD AIR VIBRATION IAQ OACQC (SP/10) CMR
 Turnaround Time: 24 Hour Standard Requested

Sample Status: Request by Client Archive Sample for One Year

Samples Collected by: Tim Bird

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump#	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Fibers/Analysis	Fibers/Fields	F/mm	Picc
1	HQ-61	12-29-2020	Bulk	Vinyl Coated (New) Modular Sheetrock walls 1 st Floor various loc.										
2	HQ-62			" " " "										
3	HQ-63			2 nd Floor office partitions										
4	HQ-64			" " " "										
5	HQ-65			3 rd Floor various loc.										
6	HQ-66			" " " "										
7	HQ-67			Westwing various loc.										
8	HQ-68			New Drywall/Joint Compound 1 st Floor										
9	HQ-69			" " " "										
10	HQ-70			2 nd Floor various loc.										
				" " " "										
				Room 212 2 nd Fl.										
				" " " "										
				3 rd Floor Southside										
				" " " "										
				Westwing various loc.										
				Drywall texture										
				Orange peel 1 st Floor various loc.										

Signature of Machine Exhaust HF: High 2 m LF - Low 1 m
 Signature of Machine Area NAM: Machine Area NAM
 Signature of Outside Area DWA: Outside Area DWA
 Date: 1-4-2021
 Received by (Date/Time):
 7 of 16

**ASBESTOS/LEAD CHAIN OF CUSTODY/
SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone #: (208) 332-1908
 Contact Person: Josh Lewis
 Project/PO #: DPW Project # 20-910

AECOM - N&E Technical Services, LLC
 756 East Winchester Street, Suite 400
 Salt Lake City, UT 84107

Client Person: Tim A. Bird WO # 3326.20910
 Project Name: Asbestos Survey ITD Boise HQ Bldg
 Analysis Type: Bulk Bulk LEAD LEAD LEAD LEAD LEAD LEAD
 Turnaround Time: Rush 24 Hour Standard Requested
 Sample Status: Review by Client Archive Sample for One Year

No. _____
 Special Notes: Standard Turn
 Please email results/col to
 Timon.bird@acostan.com
 Thank you!

Calibration Method: _____
 Samples Collected by: Tim Bird

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump #	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Analyst	Fibers/Fields	F/mm	F/cc
1	HQ-91	12-29-2021	Bulk	9-1/2 inch Light Tan/White Vinyl Floor Tile Yellow Mastic										
2	HQ-92			Residual Black Mastic beneath Carpet										
3	HQ-93			1 st Floor Various Locations										
4	HQ-94			Leveling Compound (ZNR FI) beneath carpet										
5	HQ-95			beneath Carpet 3 rd Floor										
6	HQ-96			Vinyl Floor Tile beneath carpet 3 rd Floor										
7	HQ-97			12-1/2 inch Vinyl Floor Tile / Tile / Yellow Mastic beneath Carpet Sgs Room 110A										
8	HQ-98			12-1/2 inch Vinyl Floor Tile / Yellow Mastic various locations										
9	HQ-99			12-1/2 inch Beige/Tan Vinyl Floor Tile / Yellow Mastic 2 nd Fl Men's Sanitor-Rm										
10	HQ-100			3 rd Fl Men's RR Vestibule / Janitor's closet										

Requested by: _____
 Received by: _____
 Date: 1-4-2022
 Page: 10 of 16

**ASBESTOS/LEAD CHAIN OF CUSTODY/
SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone#: (208) 332-1908
 Contact Person: Josh Lewis
 Project/P.O.#: DPW Project # 20-910

Invoice From:
 AECOM - N&E Technical Services, LLC
 756 East Winchester Street, Suite 400
 Salt Lake City, UT 84107
 Contact Person: Tim A. Bird
 MO # 3326.20910
 Project Name: Asbestos Survey ITD Boise HQ Bldg

No.

Special Notes: Standard Turn
 Please email results/col to
 Timen.bird@astestam.com
 Thank you!

Analysis Type: Visual PCM LEAD TAMB AIR MIBK IAA HCLP OAGC (SPL) Other
 Turnaround Time: Rush 24 Hour Standard Requested
 Sample Status: Requested Archived Sample for One Year

Samples Collected by: Tim Bird

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump#	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Analyst	Fibers/Field#	F/mm	F/cc
1	HQ-101	12-29-2020	Bulk	12-INCH VINYL FLOOR TILE/ Brown Yellow Mastic										
2	HQ-102			1/2" EL HR Budget Stone Paper New 12-inch Vinyl Floor Tile off-white/gray/yellow/mastic										
3	HQ-103			IT Server Room off of auditorium										
4	HQ-104			Blue Gray 12-inch Beneath Carpet										
5	HQ-105			Vinyl Floor tile yellow mastic Rm 117										
6	HQ-106			beneath Carpet Room 119										
7	HQ-107			New 12-INCH VINYL (Lt Gray/Blue/Pink)										
8	HQ-108			Floor Tile w/ Yellow Mastic Auditorium										
9	HQ-109			Center Section beneath chairs Auditorium										
10	HQ-110			New Sheet vinyl Tan, Carmel/Gray Flooring Large Break Room 1st Fl										
				base 1st Floor Large break room										
				Blue Vinyl Flooring (over 9-inch)										
				1st Floor Large Break Room 1st Fl										
				Blue Vinyl Flooring (over 9-inch)										
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				Blue Vinyl Flooring (over 9-inch)										



AECOM - N&E Technical Services, LLC
 756 East Winchester Street, Suite 400
 Salt Lake City, UT 84107

**ASBESTOS/LEAD CHAIN OF CUSTODY/
 SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone #: (208) 332-1908
 Contact Person: Josh Lewis
 Project/PO #: DPW Project # 20-910

No. _____
 Special Note: Standard Turn
 Please email results/coc to
 Timon.bird@arex.com
 Thank you!

Contact Person: Tim A. Bird WO # 3326.20910
 Project Name: Asbestos Survey ITD Boise HQ Bldg
 Analysis Type: Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk Bulk
 Turnaround Time: 24 hrs 48 hrs 72 hrs 96 hrs 120 hrs 144 hrs 168 hrs 192 hrs 216 hrs 240 hrs 288 hrs 336 hrs 384 hrs 432 hrs 480 hrs 528 hrs 576 hrs 624 hrs 672 hrs 720 hrs 768 hrs 816 hrs 864 hrs 912 hrs 960 hrs 1008 hrs 1056 hrs 1104 hrs 1152 hrs 1200 hrs 1248 hrs 1296 hrs 1344 hrs 1392 hrs 1440 hrs 1488 hrs 1536 hrs 1584 hrs 1632 hrs 1680 hrs 1728 hrs 1776 hrs 1824 hrs 1872 hrs 1920 hrs 1968 hrs 2016 hrs 2064 hrs 2112 hrs 2160 hrs 2208 hrs 2256 hrs 2304 hrs 2352 hrs 2400 hrs 2448 hrs 2496 hrs 2544 hrs 2592 hrs 2640 hrs 2688 hrs 2736 hrs 2784 hrs 2832 hrs 2880 hrs 2928 hrs 2976 hrs 3024 hrs 3072 hrs 3120 hrs 3168 hrs 3216 hrs 3264 hrs 3312 hrs 3360 hrs 3408 hrs 3456 hrs 3504 hrs 3552 hrs 3600 hrs 3648 hrs 3696 hrs 3744 hrs 3792 hrs 3840 hrs 3888 hrs 3936 hrs 3984 hrs 4032 hrs 4080 hrs 4128 hrs 4176 hrs 4224 hrs 4272 hrs 4320 hrs 4368 hrs 4416 hrs 4464 hrs 4512 hrs 4560 hrs 4608 hrs 4656 hrs 4704 hrs 4752 hrs 4800 hrs 4848 hrs 4896 hrs 4944 hrs 4992 hrs 5040 hrs 5088 hrs 5136 hrs 5184 hrs 5232 hrs 5280 hrs 5328 hrs 5376 hrs 5424 hrs 5472 hrs 5520 hrs 5568 hrs 5616 hrs 5664 hrs 5712 hrs 5760 hrs 5808 hrs 5856 hrs 5904 hrs 5952 hrs 6000 hrs 6048 hrs 6096 hrs 6144 hrs 6192 hrs 6240 hrs 6288 hrs 6336 hrs 6384 hrs 6432 hrs 6480 hrs 6528 hrs 6576 hrs 6624 hrs 6672 hrs 6720 hrs 6768 hrs 6816 hrs 6864 hrs 6912 hrs 6960 hrs 7008 hrs 7056 hrs 7104 hrs 7152 hrs 7200 hrs 7248 hrs 7296 hrs 7344 hrs 7392 hrs 7440 hrs 7488 hrs 7536 hrs 7584 hrs 7632 hrs 7680 hrs 7728 hrs 7776 hrs 7824 hrs 7872 hrs 7920 hrs 7968 hrs 8016 hrs 8064 hrs 8112 hrs 8160 hrs 8208 hrs 8256 hrs 8304 hrs 8352 hrs 8400 hrs 8448 hrs 8496 hrs 8544 hrs 8592 hrs 8640 hrs 8688 hrs 8736 hrs 8784 hrs 8832 hrs 8880 hrs 8928 hrs 8976 hrs 9024 hrs 9072 hrs 9120 hrs 9168 hrs 9216 hrs 9264 hrs 9312 hrs 9360 hrs 9408 hrs 9456 hrs 9504 hrs 9552 hrs 9600 hrs 9648 hrs 9696 hrs 9744 hrs 9792 hrs 9840 hrs 9888 hrs 9936 hrs 9984 hrs 10032 hrs 10080 hrs 10128 hrs 10176 hrs 10224 hrs 10272 hrs 10320 hrs 10368 hrs 10416 hrs 10464 hrs 10512 hrs 10560 hrs 10608 hrs 10656 hrs 10704 hrs 10752 hrs 10800 hrs 10848 hrs 10896 hrs 10944 hrs 10992 hrs 11040 hrs 11088 hrs 11136 hrs 11184 hrs 11232 hrs 11280 hrs 11328 hrs 11376 hrs 11424 hrs 11472 hrs 11520 hrs 11568 hrs 11616 hrs 11664 hrs 11712 hrs 11760 hrs 11808 hrs 11856 hrs 11904 hrs 11952 hrs 12000 hrs 12048 hrs 12096 hrs 12144 hrs 12192 hrs 12240 hrs 12288 hrs 12336 hrs 12384 hrs 12432 hrs 12480 hrs 12528 hrs 12576 hrs 12624 hrs 12672 hrs 12720 hrs 12768 hrs 12816 hrs 12864 hrs 12912 hrs 12960 hrs 13008 hrs 13056 hrs 13104 hrs 13152 hrs 13200 hrs 13248 hrs 13296 hrs 13344 hrs 13392 hrs 13440 hrs 13488 hrs 13536 hrs 13584 hrs 13632 hrs 13680 hrs 13728 hrs 13776 hrs 13824 hrs 13872 hrs 13920 hrs 13968 hrs 14016 hrs 14064 hrs 14112 hrs 14160 hrs 14208 hrs 14256 hrs 14304 hrs 14352 hrs 14400 hrs 14448 hrs 14496 hrs 14544 hrs 14592 hrs 14640 hrs 14688 hrs 14736 hrs 14784 hrs 14832 hrs 14880 hrs 14928 hrs 14976 hrs 15024 hrs 15072 hrs 15120 hrs 15168 hrs 15216 hrs 15264 hrs 15312 hrs 15360 hrs 15408 hrs 15456 hrs 15504 hrs 15552 hrs 15600 hrs 15648 hrs 15696 hrs 15744 hrs 15792 hrs 15840 hrs 15888 hrs 15936 hrs 15984 hrs 16032 hrs 16080 hrs 16128 hrs 16176 hrs 16224 hrs 16272 hrs 16320 hrs 16368 hrs 16416 hrs 16464 hrs 16512 hrs 16560 hrs 16608 hrs 16656 hrs 16704 hrs 16752 hrs 16800 hrs 16848 hrs 16896 hrs 16944 hrs 16992 hrs 17040 hrs 17088 hrs 17136 hrs 17184 hrs 17232 hrs 17280 hrs 17328 hrs 17376 hrs 17424 hrs 17472 hrs 17520 hrs 17568 hrs 17616 hrs 17664 hrs 17712 hrs 17760 hrs 17808 hrs 17856 hrs 17904 hrs 17952 hrs 18000 hrs 18048 hrs 18096 hrs 18144 hrs 18192 hrs 18240 hrs 18288 hrs 18336 hrs 18384 hrs 18432 hrs 18480 hrs 18528 hrs 18576 hrs 18624 hrs 18672 hrs 18720 hrs 18768 hrs 18816 hrs 18864 hrs 18912 hrs 18960 hrs 19008 hrs 19056 hrs 19104 hrs 19152 hrs 19200 hrs 19248 hrs 19296 hrs 19344 hrs 19392 hrs 19440 hrs 19488 hrs 19536 hrs 19584 hrs 19632 hrs 19680 hrs 19728 hrs 19776 hrs 19824 hrs 19872 hrs 19920 hrs 19968 hrs 20016 hrs 20064 hrs 20112 hrs 20160 hrs 20208 hrs 20256 hrs 20304 hrs 20352 hrs 20400 hrs 20448 hrs 20496 hrs 20544 hrs 20592 hrs 20640 hrs 20688 hrs 20736 hrs 20784 hrs 20832 hrs 20880 hrs 20928 hrs 20976 hrs 21024 hrs 21072 hrs 21120 hrs 21168 hrs 21216 hrs 21264 hrs 21312 hrs 21360 hrs 21408 hrs 21456 hrs 21504 hrs 21552 hrs 21600 hrs 21648 hrs 21696 hrs 21744 hrs 21792 hrs 21840 hrs 21888 hrs 21936 hrs 21984 hrs 22032 hrs 22080 hrs 22128 hrs 22176 hrs 22224 hrs 22272 hrs 22320 hrs 22368 hrs 22416 hrs 22464 hrs 22512 hrs 22560 hrs 22608 hrs 22656 hrs 22704 hrs 22752 hrs 22800 hrs 22848 hrs 22896 hrs 22944 hrs 22992 hrs 23040 hrs 23088 hrs 23136 hrs 23184 hrs 23232 hrs 23280 hrs 23328 hrs 23376 hrs 23424 hrs 23472 hrs 23520 hrs 23568 hrs 23616 hrs 23664 hrs 23712 hrs 23760 hrs 23808 hrs 23856 hrs 23904 hrs 23952 hrs 24000 hrs 24048 hrs 24096 hrs 24144 hrs 24192 hrs 24240 hrs 24288 hrs 24336 hrs 24384 hrs 24432 hrs 24480 hrs 24528 hrs 24576 hrs 24624 hrs 24672 hrs 24720 hrs 24768 hrs 24816 hrs 24864 hrs 24912 hrs 24960 hrs 25008 hrs 25056 hrs 25104 hrs 25152 hrs 25200 hrs 25248 hrs 25296 hrs 25344 hrs 25392 hrs 25440 hrs 25488 hrs 25536 hrs 25584 hrs 25632 hrs 25680 hrs 25728 hrs 25776 hrs 25824 hrs 25872 hrs 25920 hrs 25968 hrs 26016 hrs 26064 hrs 26112 hrs 26160 hrs 26208 hrs 26256 hrs 26304 hrs 26352 hrs 26400 hrs 26448 hrs 26496 hrs 26544 hrs 26592 hrs 26640 hrs 26688 hrs 26736 hrs 26784 hrs 26832 hrs 26880 hrs 26928 hrs 26976 hrs 27024 hrs 27072 hrs 27120 hrs 27168 hrs 27216 hrs 27264 hrs 27312 hrs 27360 hrs 27408 hrs 27456 hrs 27504 hrs 27552 hrs 27600 hrs 27648 hrs 27696 hrs 27744 hrs 27792 hrs 27840 hrs 27888 hrs 27936 hrs 27984 hrs 28032 hrs 28080 hrs 28128 hrs 28176 hrs 28224 hrs 28272 hrs 28320 hrs 28368 hrs 28416 hrs 28464 hrs 28512 hrs 28560 hrs 28608 hrs 28656 hrs 28704 hrs 28752 hrs 28800 hrs 28848 hrs 28896 hrs 28944 hrs 28992 hrs 29040 hrs 29088 hrs 29136 hrs 29184 hrs 29232 hrs 29280 hrs 29328 hrs 29376 hrs 29424 hrs 29472 hrs 29520 hrs 29568 hrs 29616 hrs 29664 hrs 29712 hrs 29760 hrs 29808 hrs 29856 hrs 29904 hrs 29952 hrs 30000 hrs

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump#	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Analysis	Fibers/Fields	F/mm	F/cc
1	HQ-141	12-29/03/2020	Bulk	New F.G. Pipe Basement Mec.Rm										
2	HQ-142			Run Insulation w/white Coating Ends of Insulation										
3	HQ-143			New F.G. Pipe Run										
4	HQ-144			INSULATION Penthouse Mech Rm										
5	HQ-145			TSI F.G. Pipe Run Insulation										
6	HQ-146			Painted green over foil Penthouse Mec Rm										
7	HQ-147			Pipe Run Insulation white										
8	HQ-148			Canvas covered Black pumas. Westinghng Upper Mech Rm										
9	HQ-149			" " "										
10	HQ-150			Paint Canvas over Black pumas Penthouse										
				Canvas Covered Fiberglass										
				Duct Insulation Penthouse Mec Room										
				Black Coated Yellow F.G. Duct										
				Insulation inside Air Handler Penthouse										
				Foil Covered F.G. Insulation										
				Walls of Airhandler Penthouse										
				Yellow F.G. Duct (above Ceiling)										
				Insulation Metal HVAC Duct 2nd Fl										
				Foil covered Duct										
				INSULATION 3rd Floor										

Site: P - Process EL - Emission Lead PA - Pre-Assignment C - Containment IWA - Inside Work Area OWA - Outside Work Area NAM - Negative Air Machine Exhaust HF - High Flow LF - Low Flow
 Requested by (Date, Time): 1-4-2021
 Requested by (Date, Time):
 Received by (Date, Time): 1/5 of 16

**ASBESTOS/LEAD CHAIN OF CUSTODY/
SAMPLE TRANSMITTAL FORM**

INVOICE TO:
 Company Name: State of Idaho DPW
 Address: 502 N. 4th Street
 City/State/Zip: Boise, Idaho 82720
 Phone #: (208) 332-1908
 Contact Person: Josh Lewis
 Project/PO #: DPW Project # 20-910

AECOM - N&E Technical Services, LLC
 756 East Winchester Street, Suite 400
 Salt Lake City, UT 84107

Contract Person: Tim A. Bird WO # 3326.2.0910
 Project Name: Asbestos Survey ITD Boise HQ Bldg
 Analysis Type: PCM TEM LEAD LAIR VIBER IMA HCLP GAO-OC (SHUB) Other
 Turnaround Time: 24 Hour Standard Requested Hard Copy E mail
 Sample Status: Released to client Archive Sample for One Year

No. _____
 Special Notes: Standard Turn
 Please email results/CoC to
 Timen.bird@acexteam.com
 Thank you!

Lab #	Client Sample #	Date	Sample Type	Sample Description	Type Pump #	Time Started	Time Ended	Total Minutes	Flow Rate LPM	Volume (Liters)	Analyst	Fibers/Fields	F/mm	F/cc
1	HQ-151	12-29-2020	Bulk	Black Foam Insulation (Basement Mech Rm) Exterior of Chiller Compressor Unit										
2	HQ-152			inside Air handler Westwing upper Mech Rm										
3	HQ-153			Vibration Cloth between HVAC Ducts Penthouse Westwing Mech Rm										
4	HQ-154			Plastic Covered Fiberglass Flex Duct Insulation various locations										
5	HQ-155			Bath Insulation above ceiling Tiles various locations										
6														
7														
8														
9														
10														

Samples Collected by: Tim Bird
 Calibration Method: _____
 Analyzed by: _____
 Volume (Liters): _____
 Fibers/Fields: _____
 F/mm: _____
 F/cc: _____
 Received by (Date/Time): _____
 16 of 16



Certificate of Completion

Tim A. Bird

Has attended and successfully completed the
Asbestos Building Inspector
AHERA 4 Hours Refresher Training Course

In accordance with Title II of TSCA
40 CFR Part 763, Appendix C to Subpart E
Consistent with Utah Administrative Rule R307-801: Asbestos

Course Date: 1/24/20
Certificate Number: 6420-02
Expiration Date: 1/24/2021

A handwritten signature in blue ink that reads "Dayle Lundy".

Instructor: Dayle Lundy

Industrial Hygiene Resources – 8312 W. Northview, Suite 100 – Boise, Idaho 83704
Tel: (208) 323-8287 Fax: (208) 323-0783

3.0 SURVEY METHODOLOGY, REGULATIONS AND RECOMMENDATIONS

3.1 Survey Methodology

To gather the greatest quantity of information in the time available, several investigative techniques were utilized. These included interviews with building maintenance personnel, a visual inspection and assessment of the building, sampling of suspect materials, and quantification of all confirmed asbestos-containing materials.

The inspector obtained and submitted for Polarized Light Microscopy (PLM) analysis multiple bulk samples of all accessible materials suspected of containing asbestos. All bulk samples were collected in accordance with EPA and OSHA guidelines. Samples were taken at various locations representative of homogeneous materials identified throughout each segment of the building.

The L&R Group – Technical Services Division (L&R), Meridian, Idaho was the laboratory retained by DPW for PLM bulk sample analysis of samples collected during the inspection. The laboratory is AIHA (American Industrial Hygiene Association) accredited and is a successful participant in AIHA PAT Round Robin Program (Laboratory No. 232330) for quality assurance in proficiency of bulk asbestos identification.

Samples were randomly chosen to be representative of each homogenous material. However, AECOM makes no representation, warranty, nor guarantee that the analytical results reported by the laboratory are representative of those conditions existing throughout the homogeneous area, or that material other than or in different proportions to those indicated may exist.

Additionally, all AECOM Professional Engineer or Certified Hazardous Materials Manager reviews of this document are limited to the project information and data presented in this report; therefore, no representation, warranty, or guarantee is implied or expressed of the site conditions from the AECOM Professional Engineer review.

3.2 Regulations

Building owners are governed by a variety of federal, state, and local regulations, which influence the way they must deal with ACM in their facilities. Some of these regulations, particularly at the state and local level, change frequently. Building owners should contact their state and local government agencies, in addition to organizations such as the National Conference of State Legislatures (NCSL), the National Institute of Building Sciences (NIBS), or EPA environmental assistance centers for updated information on these requirements.

EPA and OSHA regulations require that employers address a number of items when employees may be exposed to asbestos fibers that could be generated during maintenance, removal, renovation, or demolition activities. These regulations are discussed briefly:

- EPA amended the worker protection rule (WPR at 40 CFR Part 763) on August 15, 2000 to adopt OSHA's standard to protect the health of all local and state government employees from the harmful effects of asbestos. The amended EPA worker protection rule extends coverage to all construction projects involving both friable and non-friable

asbestos. EPA also expanded the scope of the WPR to all custodial operations that involve activities as basic as sweeping a floor or dusting a table.

- EPA NESHAP (40 CFR 61, November 20, 1990, Final Rule) promulgates emissions standards and reporting criteria for fugitive emissions of asbestos fibers. Additionally, it governs demolition and renovation projects in all facilities with notification requirements to EPA whether regulated quantities of ACM have been found or not.
- The NESHAP rule requires that owners conduct an asbestos inspection prior to demolition/renovation and have all friable regulated asbestos-containing materials (RACM) removed before demolition work begins. For renovation projects where RACM will be disturbed, the NESHAP rule may require appropriate work practices or procedures for the control of asbestos emissions. Any RACM (friable or non-friable which may become friable) poses a potential hazard that should be addressed.
- OSHA has specific requirements concerning worker protection and procedures. These include 29 CFR 1910.1001, General Industry, 29 CFR 1915.1001, Shipyard Industry, and 29 CFR 1926.1101, Construction Industry (asbestos) Standard.
- OSHA amended the General Industry Standard for asbestos (1910.1001). The previous existing asbestos standard for construction, 1926.58, was replaced with 1926.1101. A new standard, 1915.1001, was created for the shipyard industry. Analytical methods used by the OSHA laboratory were added as appendices. The Permissible Exposure Limit (PEL) was reduced by half to 0.1 f/cc TWA. OSHA presumes certain materials in pre-1981 buildings asbestos-containing materials (PACM) until sample verification of the materials asbestos content is made by an AHERA accredited building inspector.
- Public sector employees, such as city, county and/or state government employees and certain school and university employees, who are not already subject to a state OSHA plan, are covered by the EPA Worker Protection Rule (Federal Register: February 25, 1987; 40 CFR 763 Subpart G, Asbestos Abatement Projects; Worker Protection, Final Rule).

3.2.1 AECOM Recommendations – Permits and Notifications

The following regulated asbestos-containing materials were identified during the survey: friable sprayed and troweled-on fire-proofing and over-spray found above the suspended and hard ceilings; friable spray-on texture located within the auditorium; non-friable brown 9-inch vinyl floor tile (room 119) and the residual black floor tile mastic found beneath vinyl floor tiles and carpeting in various locations; friable paper duct tape applied to the joint and seams found on metal HVAC located above the ceilings throughout the building; friable TSI mudded fitting and pipe run insulation found on the domestic and heating and cooling pipelines located throughout the building; and the non-friable black felt paper found beneath the canvas covering on the black pumice-like pipe insulation found in various locations.

The ACM in in fair-to-good condition and can be managed in place. Control access to the Category I or Category II non-friable RACM throughout the building insuring that the asbestos containing materials are not disturbed and are not subjected to sanding, grinding, cutting, drilling, and/or abrading.

It is highly recommended that special care be taken not disturb the friable spray-on and troweled-on fireproofing, its associated over-spray as well as the friable spray-on ceiling texture (brown scratch coat), paper duct tape, TSI fittings and pipe run insulation.

The following actions are highly recommended: Isolate and restrict access to space located above the suspended and hard ceilings located within the original segments of the building's first, second and third floors. Any loose fireproofing, overspray, TSI fitting and pipe run insulation, and debris should be properly cleaned up by a competent asbestos abatement contractor prior to conducting any work within these spaces.

AECOM makes the following general recommendations for the asbestos-containing materials identified by the survey:

- Develop a plan for managing in-place and controlling access to, disturbance of, and/or damage to the asbestos containing materials identified on the exterior and within the interior of the building.
- Mark asbestos-containing materials with appropriate warning labels where applicable, and abate damaged materials as soon as possible, per 29 CFR 1910.1001 (j) Communication of Hazards to Employees; and IDAPA17.10.004.01 of the Idaho Transportation Procedures Act and IGSHS350.05 of the Idaho General Safety and Health Standards.
- Routinely alert all state employees, maintenance and custodial personnel, building occupants, applicable visitors, and outside contractor personnel of the presence of asbestos-containing materials on the exterior, within the interior of the building and/or work areas.

At the time of removal or demolition, implement an asbestos abatement program as required under NESHAP. An asbestos abatement procedure should be developed that will ensure worker protection per 29 CFR 1926.1101 OSHA construction standard and in compliance with EPA regulations regarding friable ACM and Category I and Category II non-friable RACM that may be subjected to sanding, grinding, cutting, drilling, or abrading.

3.2.1.1 Permits and Notifications

Prior to demolition and/or removal of the ACMs, the contractor will need to provide proof satisfactory to the Owner or his representative that all necessary permits have been secured in conjunction with asbestos removal, hauling, and disposal and provide timely notification of such actions, as may be required by federal, state, regional, and local authorities. Send written notification to the Regional Office of the United States Environmental Protection Agency (EPA), as required by 40 CFR Part 61, Subpart M (NESHAPS), 10 working days prior to commencement of the work.



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