ASBESTOS CONTAINING MATERIALS SUMMARY REPORT

WORCESTER COUNTY SHERIFF'S OFFICE
5 Paul X Tivnan Drive
West Boylston, Massachusetts 01583

Prepared for:

Worcester County Sheriff's Office
5 Paul X Tivnan Drive
West Boylston, Massachusetts 01583

June2024

CDW Project #2130.00

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1.0 INTRODUCTION

CDW Consultants, Inc. (CDW) is pleased to present this report summarizing the findings of the site inspection for suspect asbestos containing materials (ACM) at the Worcester County House of Corrections and Worcester County Sheriff's located at 5 Paul X Tivnan Drive, West Boylston, Massachusetts (the Site).

The scope of work was developed as a result of a Consent Judgement entered into in Commonwealth of Massachusetts v. Worcester County Sheriff's Office, Suffolk Superior Court, Civil Action No. 24-542H.

2.0 PROJECT UNDERSTANDING

The ACM project sampling is for the interior portions of the following areas:

- Main Jail Building
- Administration Building
- Annex
- FJD
- Horse Barn
- Mini-5
- Mod's
- Mod's Gym
- SOG House
- Training Center
- Transpo (Transportation Garage)
- Warehouse Staff Gym
- Work Release

The following buildings were not included in the ACM survey.

- MSF (secured with fencing)
- Guard Tower

Both buildings were not entered due to safety concerns. The MSF building is currently not accessible and bounded by security fencing.

The former Guard Tower is only accessed via keyed entry by WCSO personnel. The former guard tower had a previous ACM inspection conducted on October 07, 2021, by Fuss and O'Neil. The interior of the Guard Tower identified positive ACM in three locations. The results of the positive ACM locations the Fuss and O'Neil report are provided in Appendix A.

On February 26 through February 29, 2024CDW conducted bulk sampling of potential ACM from homogeneous areas (similar in texture and appearance throughout) that were accessible during the site visits. Samples were taken from location and materials that were not previously sampled. Exterior

samples of building materials including window caulking, glazing, foundation mastics, exterior vapor barriers, and roofing materials were not collected during CDW's survey event.

2.1 Previous Work

In accordance with paragraph 26 of the Consent Judgement, CDW was advised by the WCSO during an initial site visit on February 26, 2024, and in further communications during the audit, that tile removal completed since 2016 (in addition to the Main Jail Lobby) occurred in the following areas :

- A1 and A2 just prior to and/or just after 2016;
- Work Release in 2018 and 2019;
- Deignan Building (West Tier, Upper Landing, Two Tiered Dayroom, Stairs to Upper Tiers, Booth, and Entrance) by Banner Environmental in 2021;
  Deignan Building (East Tier) in 2020.

The WCSO Maintenance Division advised that tile removed from the above-referenced areas (A1, A2, Work Release and the Deignan Building) was of a similar size, color and material as the tile removed from the Main Jail Lobby in February of 2021. The WCSO Maintenance Division further advised that the tile removal process for A1, A2, Work Release and Deignan (East Tier) was comparable to the process employed in the Main Jail Lobby in February of 2021. The floors in A1, A2, Work Release and the Deignan Building were all polished and sealed after tile removal. During the 2024 site inspection by CDW, it was observed that the floors in these areas were sealed, polished, and appeared in good condition with no visible remnants of tile or mastic.

Air samples and HVAC wipe samples were collected in areas where tile removal work was completed which included the Main Lobby, A1, A2, Deignan Building, and Work Release. In addition, air and HVAC wipe samples were collected in the Kitchen and Mini-5 as these were locations where tile work may have occurred prior to 2016. All air samples and wipe samples were negative and are detailed below in this report.

3.0 GENERAL SITE CONDITIONS

The site consists of approximately 23 buildings ranging in size from 600 square feet to approximately 110,000 square feet. The following table briefly outlines the exterior construction, approximate building size, and construction of buildings where physical sampling was conducted:

Exterior

Building Name	Approximate Size	Date (approximate)	Construction
Administration	10,000 sqft	1973	CMU with concrete
Annex	12,000 sqft	2003	Steel Beam
FJD	8,000 sqft	1980	Concrete Block
Horse Barn	3,400 sqft	unknown	Wood timber framed
Main Jail	110,000 sqft	1973	CMU with concrete
Mini-5	5,000 sqft	1973	CMU with concrete
Mod's (H,I,J,K,L)	45,000 sqft	1989	CMU with concrete
Mod's Gym	11,000 sqft	1989	Steel Beam
SOG House	1,600 sqft	1973	Wood frame

Training Center	2,600 sqft	Pre-1973	Wood timber framed
Transpo	7,000 sqft	1973	CMU block walls
Warehouse Staff Gym	10,000 sqft	1989	Steel Beam
Work Release	10,000 sqft	1973	CMU with concrete

Building Name	**Interior Description**
Administration	10,000 sqft
Annex	Poured concrete floors metal walls, steel trusses
FJD	Poured concrete floors and CMU block walls
Horse Barn	Poured concrete floors, wooden stalls, new vinyl floor tiles, ceiling tiles
Main Jail	CMU Block. Some room partitions with drywall. Main jail areas poured concrete formed walls. Various types of tiled floor.
Mini-5	Poured concrete floors with CMU block walls
Mod's	Poured concrete floors with CMU block walls
Mod's Gym	Rubber floor over concrete, steel truss and frame with plaster walls
SOG House	Wood framed wall with plaster/drywall painted covering, vinyl covering tile1,600
Training Center	Wood framed walls with plaster and lathe, hardwood floor, kitchen tile
Transpo	Poured concrete floors with VCT in small areas, CMU block wall
Warehouse Staff Gym	Poured concrete floor with vinyl floor tiles CMU walls
Work Release	Poured concrete floors with CMU and poured concrete walls

The following table briefly outlines the exterior construction, approximate building size, and construction of buildings where physical sampling was not-conducted:

Exterior

Building Name	Approximate Size	Date (approximate)	Construction
MSF	5,600 sqft	Pre-1973	Wood framed
Barn 1	2,400 sqft	2003	Metal with wood truss
Barn 2	6,000 sqft	1980	Metal with wood truss
Outer Warehouse	9,000 sqft	unknown	Steel beam
Medical Intake Unit	110,000 sqft	2021	Steel and concrete
ER Vehicle Garage	1,100 sqft	1973	Metal frame and truss
Mods Receiving	45,000 sqft	1989	Demolished
Programs Building	11,000 sqft	1989	Steel beam
K-9 Kennel	600 sqft	2020	Wood frame
Guard Tower	1,000 sqft	1973	Poured Concrete

Building Name	**Interior Description**
MSF	Building unsafe to enter, surrounded by secure fencing
Barn 1	Poured concrete floor, wood and steel trusses, metal siding/roofing
Barn 2	Poured concrete floor, wood and steel trusses, metal siding/roofing
Outer Warehouse	Poured concrete floors steel truss newer vinyl floor tiles
Medical Intake Unit	CMU Block. Some room partitions with drywall. Main jail areas poured concrete formed walls. Various types of tiled floor. New construction
ER Vehicle Garage	Poured concrete floor with steel frame and truss
Mods Receiving	Poured concrete floors
Programs Building	Poured concrete floors, plaster walls
K-9 Kennel	T-111 wood siding with new interior sheetrock and metal dog cages
Guard Tower	No inside area off limits due to safety

4.0 ASBESTOS SURVEY

4.1 Methods

The United States Environmental Protection Agency (USEPA) and Massachusetts Department of Environmental Protection (MassDEP) are responsible for developing and enforcing regulations necessary to protect the general public from airborne contaminants that are known to be hazardous to human health. They regulate ACM associated with renovation, demolition, and asbestos abatement projects via the National Emissions Standard for Hazardous Air Pollutants (NESHAP) Title 40 CFR Part 61. These regulations require that buildings be inspected for ACM prior to renovation/demolition projects. They stipulate that all friable ACM as well as non-friable ACM that are in poor condition or will be made friable by renovation or demolition activity be removed or otherwise appropriately abated before they are disturbed.

Results are provided in the below tables. CDW's investigative work for the asbestos survey included conducting a visual inspection of physically accessible areas. Once the visual inspection was

completed, the building components were categorized into homogeneous areas. These homogeneous areas included: surfacing materials, flooring including vinyl composition tile (VCT), thermal system insulation (TSI), and miscellaneous materials. Throughout the week of February 26 to February 29, 2024, Mr. Alan Sundquist (Massachusetts Asbestos Inspector AI900788) and Mr. Bryant Dana (AI901229) conducted minor destructive sampling and collected bulk samples of different homogeneous suspect materials for asbestos analysis. The bulk samples were delivered under chain of custody to Asbestos Identification Laboratory, Inc. (AIL) located in Woburn, Massachusetts. AIL is a state licensed (#AA000208) and a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory (lab code #200919-0) for asbestos analysis. Bulk samples were analyzed for asbestos content by polarized light microscopy (PLM) using United States Environmental Protection Agency (EPA) Method 600/R-93/116. A positive stop method was used – if one sample in a homogeneous group is positive then additional samples of the same material are not analyzed. Samples analyzed to contain greater than 1% asbestos are to be treated as ACM as defined by the EPA and Commonwealth of Massachusetts Department of Environmental Protection (MassDEP). The asbestos laboratory analytical report is included in Appendix B.

A large portion of all the building construction consisted of concrete, CMU block, metal framing and trusses, metal doors and window casings, and doors/window frames consisting of metal overlapping concrete. These observed areas did not indicate the potential presence of asbestos containing materials.

On March 14, 2024, during the overnight hours into March 15, 2024 indoor air samples were collected for asbestos fibers in atmosphere. Samples were collected in laboratory prepared samples disks at the laboratory requested flow rate of 2 liters per minute. Total sample volume ranged from 1090 total liters to 1,110 total liters. Air samples were analyzed using Phase Contrast Microscopy (PCM), NIOSH 7400 method, revision #3. The limit of detection is 7 fibers per square milli-meter (f/mm2). Sample results did not indicate the presence of asbestos fibers above minimum detection limits. The air sampling analytical report is presented in Appendix C.

On March 15, 2024, CDW Consultants, Inc. collected wipe samples at seven areas including: the Kitchen, Main Jail Lobby, Work Release, Mini-5, A1, A2, and FJD. The wipe samples were collected in air intake locations in the selected areas. The air intake is part of the overall heating and ventilation for the various buildings. The wipe samples are analyzed as bulk samples in accordance with polarized light microscopy (PLM) using United States Environmental Protection Agency (EPA) Method 600/R-93/116. The wipe samples did not indicate the presence of asbestos fibers. The wipe sample analytical report is presented in Appendix D.

4.2 Findings

Fuss and O'Neil October 2021

Guard Tower			
Sample ID	**Material**	**Location**	**Asbestos%**
03B-LD-100721	Interior Black Window Glazing	Tower Bathroom	2% Chrysotile
08A-LD-100721	Black Bay Window Glazing	3rd Level Guard Watch	2% Chrysotile
11B-LD-100721	Roof Patch	Roof of Tower	10% Chrysotile

CDW Consultants, Inc February 2024

Annex Building			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	Covering on Water Tank	Boiler Room	ND
2A,B,C	Green Cove Molding	Boiler Room	ND
3A,B,C	Tan Mastic on Cove Molding	Boiler Room	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

Administration Building			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C,D,E,F,G	Tan Glue	Under Carpet 2nd Floor	ND
2A,B,C,D,E	Gray Cove Molding	2nd Floor	ND
3A,B,C,D,E	Tan Mastic	2nd Floor	ND
4A,B,C,D,E	White Joint Compound	2nd Floor	ND
5A,B,C	Green Carpet Glue	1st Floor Invest Office	ND
6A,B,C,D,E,F,G,H,I	Drywall	1st/2nd Floor	ND
7A,B,C,D,E,F,G,H,I	2'x2' White Ceiling Tile	1st/2nd Floor	ND
8A,B,C,D,E,F,G,H,I	Gray Floor Tile	1st Floor Lobby/Hallway	ND
9A,B,C,D,E,F,G,H,I	Brown Floor Tile Mastic	1st Floor Lobby/Hallway	ND
10A,B,C	Carpet Mastic	1st Floor Classroom A	ND
11A,B,C	Blue Floor Tile	1st Floor Men's Bathroom	ND
12A,B,C	Tan Floor Tile Mastic	1st Floor Men's Bathroom	ND
13A,B,C,D,E	Black Cove Molding	1st Floor Hall/Lobby	ND
14A,B,C,D,E	Tan Mastic	1st Floor Hall/Lobby	ND
15A,B,C,D,E	White Joint Compound	1st Floor	ND
16A,B,C	Tan Cove Base	Mech Room	ND

ND = Not Detected

Chrysotile = Asbestos Mineral

FJD Building			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	Tan Pipe Cove	Mech Room	ND
2A,B,C	TSI Mud End	Mech Room	ND
3A,B,C	Red Joint Sealant	Mech Room	ND
4A,B,C	Black Tar Coating on HVAC	Mech Room	ND

ND = Not Detected

Chrysotile = Asbestos Mineral

Horse Barn			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	Gray Floor Tile	1st Floor Bath/Kitchen	ND
2A,B,C	Brown Mastic under Floor Tile	1st Floor Bath/Kitchen	ND
3A,B,C	Cove Mastic on Paper	1st Floor Kitchen	ND
4A,B,C	Gray Cove Molding	1st Floor Bath	ND
5A,B,C	Tan Mastic on Gray Cove Molding	1st Floor Bath	ND
6A,B,C	Squiggly Ceiling Tile	1st Floor	ND
7A,B,C	Dotted Ceiling Tile	Garage	ND
8A,B,C	Tan w/ Flowers Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	ND
9A,B,C	White Mastic under Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	ND
10A,B,C,D,E,F,G	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

Main Building			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	Gray Cove Molding	Front Lobby	ND
2A,B,C	Off-White Mastic	Front Lobby	ND
3A,B,C	Concrete Coating	Front Lobby	ND
4A,B,C,D,E	Plaster Wall	Front Lobby	ND
5A,B,C,D,E	Tan Plaster Covering	Above Ceiling Front Lobby	ND
6A,B,C	Paper TSI Wrap on Pipe	Above Ceiling Front Lobby	ND
7A,B,C	Glue on Fiberglass Wrap on Duct	Above Ceiling Front Lobby	ND
8A,B,C	Brown Caulking around Window Unit by Offices	Front Lobby	ND

Main Building			
Sample ID	**Material**	**Location**	**Asbestos%**
9A,B,C	Brown Window Glaze	Windows around Control Booth 1 in Front Lobby	Chrysotile 5%
10A,B,C	Brown Window Glaze	Fisher Conference Room 6"x6" Windows	Chrysotile 2%
11A,B,C,D,E	Tan Glue under Rug	Fisher Conference Room Front Lobby, Sheriff's Office	ND
12A,B,C	Yellow Sand Coating	WCSO Vault	ND
13A,B,C	White w/ gray Specks Floor Tile	Sheriff's Office	ND
14A,B,C	Black Mastic	Sheriff's Office	Chrysotile 3%
15A,B,C	Gray Caulk around Door Unit	Exit Door by Fisher Conference	ND
16A,B,C,D,E	Popcorn Finish Covering	Visiting Room	Chrysotile 2%
17A,B,C	White w/ Off-White Specks Floor Tile	Chapel	Chrysotile 2%
18A,B,C	Black Mastic	Chapel	Chrysotile 6%
19A,B,C	Popcorn Finish Covering	Chapel	ND
20A,B,C	Off-White / Gray Specks Floor Tile (Top Layer)	Chapel (Hallway)	ND
21A,B,C	Tan Mastic between Floor Tile	Chapel (Hallway)	ND
22A,B,C	Off-White Floor Tile (Bottom Layer)	Chapel (Hallway)	Chrysotile 4%
23A,B,C	Black Cove Molding	Chapel	ND
24A,B,C	Tan Mastic	Chapel	ND
25A,B,C	Vinyl 18"x32" Flooring	A-2 Booth	ND
26A,B,C	Black Window Glaze	A-2 Booth	ND
27A,B,C	Plaster Cove (Outer)	Storage Closet and by Gate 2	ND
28A,B,C	Plaster Cove (Inner)	Storage Closet and by Gate 2	ND
29A,B,C	TSI Mud End	By Exit Door 3	ND
30A,B,C	TSI	By Exit Door 3	ND
31A,B,C	Gray Window Caulk (6'x5" Windows)	Kitchen	ND
32A,B,C	Gray Window Caulk (6'x5" Windows)	Corridor One Cafe	ND

Main Building			
Sample ID	**Material**	**Location**	**Asbestos%**
33A,B,C	TSI Covering by Exterior Wall	Old Receiving Area	ND
34A,B,C	Plaster	Old Receiving Area	ND
35A,B,C	Brown Floor Tile	Classroom 5 Back of Offices	Chrysotile 3%
36A,B,C	Black Mastic	Classroom 5 Back of Offices	ND
37A,B,C	Glue on Rug	Programs Office (Social Workers)	ND
38A,B,C	White 12"x12" w/ Dark Specks	Programs Offices	Chrysotile 4%
39A,B,C	Tan Mastic	Programs Offices	Chrysotile 5%
40A,B,C,D,E	Gray Floor Tile	Old Infirmary	ND
41A,B,C,D,E	Tan Mastic	Old Infirmary	ND
42A,B,C,D,E	Off-White Floor Tile	Old Infirmary	Chrysotile 2%
43A,B,C,D,E	Black Mastic	Old Infirmary	Chrysotile 5%
44A,B,C	Black Cove Molding	Old Infirmary	ND
45A,B,C	Off-White Mastic	Old Infirmary	ND
46A,B,C	Black Window Glaze	Old Infirmary	Chrysotile 2%
47A,B,C	Gray Floor Tile	Gym Office	ND
48A,B,C	Tan Mastic	Gym Office	ND
49A,B,C	Gray Floor Tile	Main Control Booth	ND
50A,B,C	Tan Mastic	Main Control Booth	ND
51A,B,C	Drywall	Maintenance	ND
52A,B,C	Drywall Coating	Maintenance	ND
53A,B,C,D,E,F,G	White Sand Coating	Ceiling Pipes in Maxi B	ND
54A,B,C	Pipe Cover	Maxi B Tunnel	ND
55A,B,C	TSI Mud End	Maxi B Tunnel	ND
56A,B,C	Red Fireproof Sealant	Maxi B Tunnel	Chrysotile 2%
57A,B,C,D,E,F,G,H,I	White Dotted w/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, and Programs Offices	Chrysotile 2%

ND = Not Detected
Chrysotile = Asbestos Mineral

Mini 5 Building			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C,D,E	White Ceiling Covering	Hallways	ND
2A,B,C,D,E	Window Frame Caulk	Cells, Hallways, Common Room	ND
3A,B,C	Light Tan Floor Tile	Janitors Closet w/ Fridge	Chrysotile 6%

Mini 5 Building			
Sample ID	**Material**	**Location**	**Asbestos%**
4A,B,C	Black Mastic under Dark Tan Floor Tile	Janitors Closet w/ Fridge	Chrysotile 8%
5A,B,C	Dark Tan Floor Tile	Janitors Closet w/ Fridge	Chrysotile 3%
6A,B,C	Black Mastic under Dark Tan Floor Tile	Janitors Closet w/ Fridge	Chrysotile 5%
7A,B,C,D,E	White Textured Ceiling	On Pipes in Meeting Room/Hallways	ND
8A,B,C,D,E,F,G,H,I	Sheetrock	Cell Walls, Office Walls, Hallway Walls	ND
9A,B,C,D,E	Pipe Insulation	Center Pipe in Pit in Lobby	ND
10A,B,C,D,E	Pipe Covering	Center Pipe in Pit in Lobby	ND
11A,B,C,D,E	Pipe Insulation	Inner Side of Pit in Lobby	ND
12A,B,C,D,E	Pipe Covering	Inner Side of Pit in Lobby	ND
13A,B,C	TSI	Pipe in Hallway Towards Large common Room	ND
14A,B,C,	TSI Mud Ends	Pipe in Hallway Towards Large common Room	ND
15A,B,C,D,E	Joint Compound	Hallway	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

MODs Gym			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C,D,E,F,G	Gray Sub Floor	MODs Gym	ND
2A,B,C,D,E,F,G	Brown Floor Cover	MODs Gym	ND
3A,B,C,D,E	Joint Compound	MODs Gym Walls	ND
4A,B,C,D,E,F,G	Tan Mastic on Floor Cover	MODs Gym	ND
5A,B,C,D,E,F,G	Drywall	MODs Gym Walls	ND
6A,B,C	Black Cove Molding	MODs Gym	ND
7A,B,C	Off White Mastic	MODs Gym	ND
8A,B,C	Brown Cove Molding	MODs Gym Control Room	ND
9A,B,C	Tan Mastic	MODs Gym Control Room	ND
10A,B,C	Tan Floor Tile	MODs Gym Mech/Electrical Room	ND
11A,B,C	Black Mastic	MODs Gym Mech/Electrical Room	ND
12A,B,C	TSI Mud Ends	MODs Gym Mech/Electrical Room	ND
13A,B,C	TSI Pipe Cover	MODs Gym Mech/Electrical Room	ND

MODs			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C,D,E,F,G,H,I	White Door Caulk	Control Booth – Electrical Room	ND
2A,B,C,D,E,F,G,H,I	Gray Duct Sealant	Mech Rooms	ND
3A,B,C,D,E,F,G,H,I	TSI Pipe Cover	Mech Rooms	ND
4A,B,C,D,E,F,G,H,I	TSI Mud Ends	Mech Rooms	ND
5A,B,C,D,E,F,G,H,I	White Door Caulk	Mech Rooms	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

Sog House			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	Off-White w/ Tan Specks Floor Tile	1st Floor	ND
2A,B,C	Tan Mastic under Floor Tile	1st Floor	ND
3A,B,C,D,E	Gray Vinyl Flooring	1st Floor Kitchen/Offices/Bath rooms	ND
4A,B,C,D,E	White Textured Ceiling Cover	1st Floor	ND
5A,B,C	Light Gray Floor Tile	Basement	ND
6A,B,C	Tan Mastic under Floor Tile	Basement	ND
7A,B,C	Gray Floor Tile	Basement	ND
8A,B,C	Tan Mastic under Floor Tile	Basement	ND
9A,B,C	Drywall	Basement	ND
10A,B,C	Wall Coating	Basement	ND
11A,B,C	Drywall	2nd level	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

Training Center			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	Light Gray Floor Tile	Kitchen Area	ND
2A,B,C	Off-White Mastic under Floor Tile	Kitchen Area	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

Transpo Building			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	TSI on Valve	Transpo-Break Room	ND
2A,B,C	Black Cove Molding	Transpo-Main Locker Area, Break Room, Office	ND
3A,B,C	White Mastic	Transpo-Main Locker Area, Break Room, Office	ND
4A,B,C	White Painted Wall Coating	Bathroom/Storage Room	ND

Transpo Building			
Sample ID	**Material**	**Location**	**Asbestos%**
5A,B,C,D,E	Gray Floor Tile (Top Layer)	Transpo-Main Locker Area, Break Room, Office	ND
6A,B,C,D,E	Tan Mastic Between Two Layers of Floor Tile	Transpo-Main Locker Area, Break Room, Office	ND
7A,B,C,D,E	Tan Floor Tile (Bottom Layer)	Transpo-Main Locker Area, Break Room, Office	ND
8A,B,C,D,E	Brown Mastic Under Bottom Layer	Transpo-Main Locker Area, Break Room, Office	ND
9A,B,C	Drywall	(2) Interior Walls of Break Room	ND
10A,B,C	Gray Floor Tile	Garage-Office	ND
11A,B,C	Tan Mastic under Floor Tile	Garage-Office	ND
12A,B,C	Blue Painted Vinyl Floor Tile	Garage-Storage Area	ND
13A,B,C	Glue on Vinyl Floor Tile	Garage-Storage Area	Chrysotile 5%
14A,B,C	TSI Mud Ends on Large Diameter Pipes	Boiler Room	ND
15A,B,C,D,E	Gray Floor Coating	Boiler Room	ND
16A,B,C	Mesh TSI	Hallway between Boiler Room/Garage	ND
17A,B,C	Paper TSI	Hallway between Boiler Room/Garage	ND

ND = Not Detected
Chrysotile = Asbestos Mineral
TSI = Thermal System Insulation

Warehouse Staff Gym			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	Tan Cove Molding	Back Wall of Warehouse	ND
2A,B,C	Tan Mastic	Back Wall of Warehouse	ND
3A,B,C	Gray Cove molding	Around Closet in Back of Warehouse	ND
4A,B,C	Off-White Mastic	Around Closet in Back of Warehouse	ND

Warehouse Staff Gym			
Sample ID	**Material**	**Location**	**Asbestos%**
5A,B,C	Joint Compound	Back Wall/Offices/Back Closet (Warehouse)	ND
6A,B,C	Drywall	Back Wall/Offices/Back Closet (Warehouse)	ND
7A,B,C	Brown Floor Tile	Offices/Bathroom	ND
8A,B,C	Black Mastic	Offices/Bathroom	ND
9A,B,C	Light Gray Floor Tile	Gym Floor (Not Under Rubber Mats)	ND
10A,B,C	Tan Mastic	Gym Floor (Not Under Rubber Mats)	ND
11A,B,C	Black Cove Molding	Base of Gym Walls	ND
12A,B,C	Off-White Mastic	Base of Gym Walls	ND
13A,B,C	Joint Compound	Gym Walls	ND
14A,B,C,D,E	Drywall	Upper Portion of Gym Walls	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

Work Release			
Sample ID	**Material**	**Location**	**Asbestos%**
1A,B,C	White Pipe Cover	Boiler Room	ND
2A,B,C	Brown Pipe Cover	Boiler Room	ND
3A,B,C	Ceiling Sheetrock	Cells/Bathrooms	ND
4A,B,C	Light Gray Floor Tile	Control Room	Chrysotile 2%
5A,B,C	Black Mastic Under Light Gray Floor Tile	Control Room	Chrysotile 3%
6A,B,C	Black Window Caulk	Cells/Hallways	ND
7A,B,C	Black Window Caulk	Cafe	ND
8A,B,C	Off-White/Tan Floor Tile	Storage Room off of Cafe	Chrysotile 2%
9A,B,C	Black Mastic	Storage Room off of Cafe	Chrysotile 10%
10A,B,C,D,E,F,G	Squiggly w/ Dots Ceiling Tile	Hallways	ND

ND = Not Detected
Chrysotile = Asbestos Mineral

4.3 Air Sampling Results

Sample ID	Location	Sample Volume	Fibers/100 Fields	Fibers/CC
Kitchen	Staff Dining	1090 Liters	3.0	BDL (<0.002)
Lobby	NE Corner	1090 Liters	2.0	BDL (<0.002)
Work Release	Lobby Area	1090 Liters	1.0	BDL (<0.002)
Mini-5	Front Area	1110 Liters	1.0	BDL (<0.002)
A1	Cell 31	1110 Liters	0.0	BDL (<0.002)
A2	Day Room	1094 Liters	2.0	BDL (<0.002)
FJD	Day Room	1090 Liters	4.0	BDL (<0.002)

BDL= Below detection limits

4.4 Wipe Sample Results

Sample ID	Material	Location	Asbestos%
Kitchen	Air Sample	Intake Staff Dining	ND
Lobby	Air Sample	Intake Center Lobby	ND
Work Release	Air Sample	Lobby Area Intake	ND
Mini-5	Air Sample	Front Area	ND
A1	Air Sample	Intake Day Room	ND
A2	Air Sample	Intake Day Room	ND
FJD	Air Sample	Day Room Intake	ND

4.5 Positive Sample Result Summary

The following data table summarizes buildings with POSITIVE ACM results:

Main Building				
Sample ID	**Materials**	**Location**	**Approx Size**	**Condition**
9 A,B,C	Brown window glaze	Windows at Control Room Front Lobby	200 linear feet	Good
10 A,B,C	Brown window glaze	Fisher Conference Room	36 linear feet	Old, cracking, some glaze missing
14 A,B,C	Black Mastic	Sheriff's Office	20 square feet	Good
16 A,B,C,D,E	Popcorn finish covering	Visiting Room	5,300 square feet	Good
17 A,B,C	White w/off-white specked floor tile	Chapel	2,500 square feet	Good
18 A,B,C	Black Mastic	Chapel	2,500 square feet	Good

22 A,B,C	Off-White floor tile	Chapel Hallway	200 square feet	Good, Two layers of Floor Tile
35 A,B,C	Brown floor tile	Classroom Back Offices	150 square feet	Good
38 A,B,C	White 12x12 w/dark specks floor tile	Programs Office	400 square feet	Good
39 A,B,C	Tan Mastic	Programs Office	400 square feet	Good
42 A,B,C,D,E	Off-white floor tile	Old Infirmary	3,300 square feet	Good
43 A,B,C,D,E	Blask Mastic	Old Infirmary	3,300 square feet	Good
46 A,B,C	Black window glaze	Old Infirmary	100 linear feet	Good
56 A,B,C	Red fire proof sealant	Maxi-B tunnel	100 square feet	Good (sealant in patches)
57 A to I	White dotted w/ squiggles ceiling tile	Front Lobby, Sheriffs/Programs	9,000 square feet	Moderately Damaged
Presumed	Popcorn Finish	Chapel	13, 000 square feet	Good
Presumed	Popcorn Finish	Old Infirmary	1,000 square feet	Good

Mini-5				
Sample ID	Materials	Location	Approx Size	Condition
3 A,B,C	Light tan floor tile	Janitors Closet	100 square feet	Good, 2 layers (light tan over dark tan)
4 A,B,C	Black Mastic	Janitors Closet	100 square feet	Good, 2 layers (light tan over dark tan)
5 A,B,C	Dark tan floor tile	Janitors Closet	100 square feet	Good, 2 layers (light tan over dark tan)
6 A,B,C	Black Mastic	Janitors Closet	100 square feet	Good, 2 layers (light tan over dark tan)

Transportation				
Sample ID	**Materials**	**Location**	**Approx Size**	**Condition**
13 A,B,C	Glue/mastic on Vinyl floor tile	Garage storage area	200 square feet	Poor (many missing tiles)

Work Release				
Sample ID	**Materials**	**Location**	**Approx Size**	**Condition**
4 A,B,C	Light gray floor tile	Control Room	220 square feet	Moderate (damaged)
5 A,B,C	Black Mastic	Control Room	220 square feet	Good
8 A,B,C	Off-White/Tan floor tile	Storage Room adjacent to Café	100 square feet	Moderate (damaged)
9 A,B,C	Black Mastic	Storage Room adjacent to Cafe	100 square feet	Good

4.6 Recommendations

The facility shall correct (remediate) the damaged areas to comply with MADEP regulations 310 CMR 7.15 (3) (f and g). *(f) No person shall abandon or leave inoperable or out-of-service facility components that contain ACM, that are not in compliance with 310 CMR 7.15(3)(g), and are located above ground or have been exposed by excavation on site. Inoperable or out-of-service facility components containing ACM and located underground do not need to be removed unless they are disturbed or uncovered by excavation. (g) No person shall fail to maintain ACM that is located above ground, in a facility or that is uncovered by excavation in good condition and serving the intended purpose for which it was originally installed.*

The following table outlines areas to be remediated as outlined in 454 CMR 28.13 (5), 454 CMR 28.13 (c), and 310 CMR 7.15 (f and g).

Work Areas to Be Remediated				
Sample ID	**Materials**	**Location**	**Approx Size**	**Condition**
57 A to I	White dotted w/ squiggles ceiling tile	Front Lobby, Sheriffs/Programs	9,000 square feet	Moderately Damaged
13 A,B,C	Glue/Mastic on Vinyl Floor Tile	Garage Storage Area	200 Square feet	Poor
4 A,B,C	Light gray floor tile	Control Room	220 square feet	Moderate (damaged)
8 A,B,C	Off-White/Tan floor tile	Storage Room adjacent to Café	100 square feet	Moderate (damaged)
10 A,B,C	Brown window glaze	Fisher Conference Room	36 linear feet	Old, cracking, some glaze missing

Note: Lobby Area includes main lobby, adjoining hallways, sheriffs office and program offices.

Prior to disturbance, any ACM identified must be abated by a Massachusetts-licensed asbestos abatement contractor following all federal, state, and local regulations governing asbestos abatement. A copy of the asbestos Waste Shipment record must be received within 35 days of removal from the Site. Asbestos air quality sampling must be conducted under EPA regulations following asbestos abatement.

If additional materials are discovered that have not been sampled, those materials should be considered ACM until laboratory analysis determines otherwise. Penetrations through concrete exterior walls should be evaluated for potential ACM containing insulation by a Massachusetts licensed inspector. In addition, any ACMs that were determined to be in 'good' condition at the time of sampling for the Audit must be abated in the future if their condition changes to 'poor' or 'damaged.'

No exterior sampling was conducted. Should any disturbance of exterior areas occur the work area shall be inspected by a Massachusetts licensed inspector.

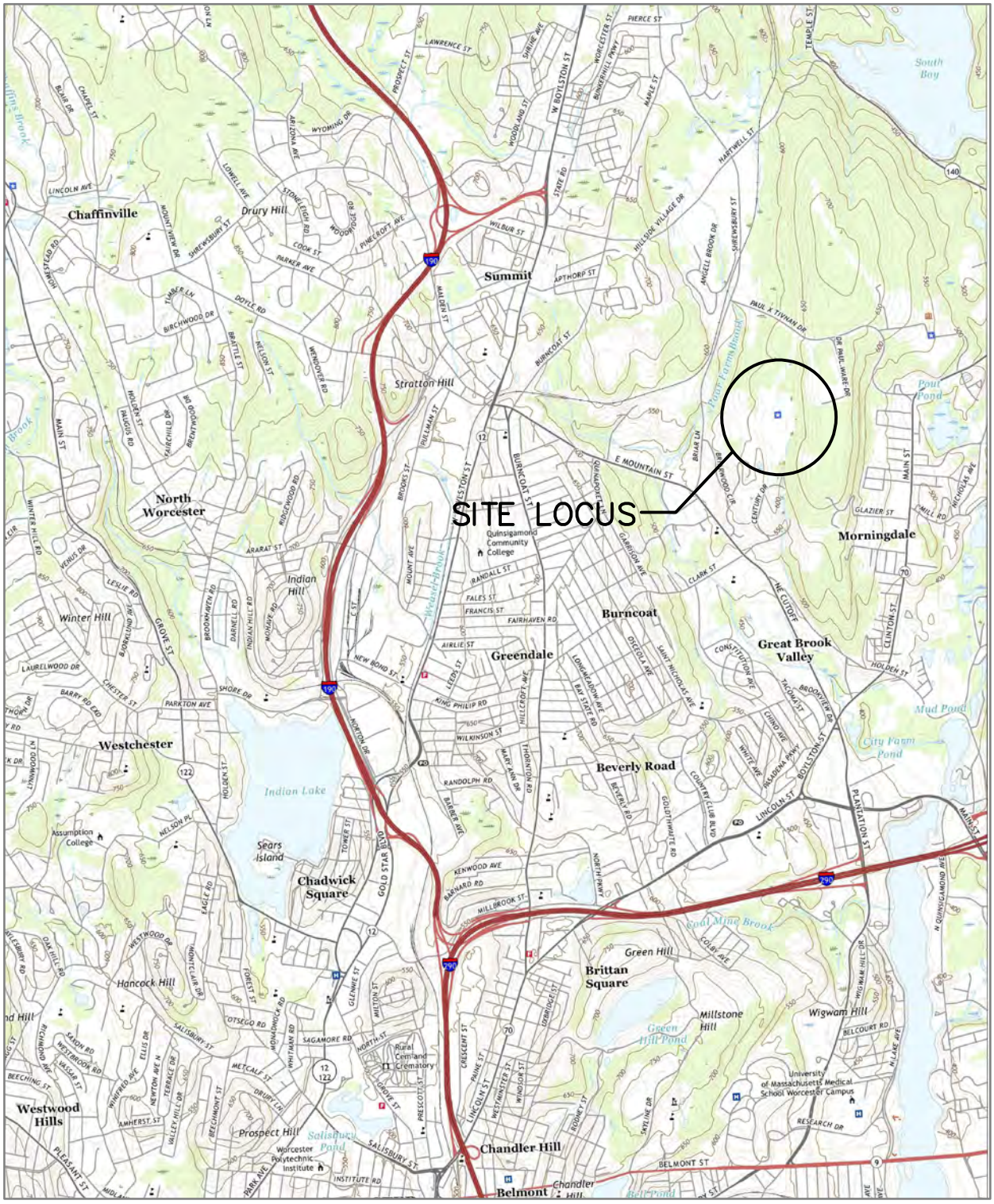
5.0 LIMITATIONS

The conclusions are limited to the information available at the time of the field survey and the scope of services, as defined. No subsurface soil or groundwater sampling and analysis was performed. Where access to portions of the Site or to structures on the site was unavailable or limited, CDW renders no opinion as to the presence of hazardous material or the presence of indirect evidence related to hazardous material in that portion of the site or structure. This report cannot be solely relied upon for renovation or demolition. The sampling performed forms the basis for conclusions expressed and areas inaccessible for testing limits those conclusions. No other conclusions, interpretations or recommendations are contained or implied in this report other than those expressed. While CDW followed industry standards during the inspection, we do not warrant that all suspect hazardous building materials were identified in or on the buildings and shall not be held liable related to future abatement costs related to hazardous materials that are either not discovered or not appropriately characterized. This is due in part to inherent problems with every building inspection, such as, but not limited to:

- Seemingly homogeneous materials that are not in fact homogeneous;
- Seemingly representative locations that are not in fact representative;
- Layered materials that are not uniformly present or are isolated;
- Materials that are present and accessible but were not considered to be hazardous;
- Materials that are present in an isolated and limited quantity; and
- Material that is present in locations that are unsafe or otherwise difficult to access.

Client acknowledges that CDW's inspection is limited, and all hazardous materials may only become apparent during future renovation or demolition. During future renovation/demolition work, it is likely that additional hazardous materials or materials suspected of being hazardous will be identified. Such materials should be assumed to be hazardous unless appropriate evaluation or sampling and analysis demonstrate otherwise. No other use of this report is warranted without the written consent of CDW Consultants, Inc.

FIGURES



CDW CONSULTANTS, INC.

FIGURE 1 - LOCUS MAP

WORCESTER COUNTY SHERIFF'S OFFICE
5 PAUL X TIVNAN DRIVE
WEST BOYLSTON, MA 01583

N

DATE: 07/10/2024

PROJ NO.: 2130.0
SCALE: NTS

APPENDIX A

Limited Hazardous Building Materials Inspection Report

Visitor & Reception Building (Building 9) & Tower
Worcester County Jail
West Boylston, Massachusetts

Civitects PC
Fall River, Massachusetts

October 2021

FUSS & O'NEILL

Fuss & O'Neill, Inc.
108 Myrtle Street, Suite 502
Quincy, MA 02171

Project No. 20190696.H30

FUSS & O'NEILL

October 29, 2021

Mr. Michael Keane, AIA
Principal
Civitects Architecture
66 Troy Street, 4th Floor
Fall River, MA

RE: Limited Hazardous Building Materials Inspection
Visitor & Reception Building (Building 9) & Tower
Worcester County Jail, West Boylston, MA
Fuss & O'Neill Project No. 20190696.H30

Dear Mr. Keane:

Enclosed is the limited hazardous building materials inspection summary report for the inspection conducted at the Visitor & Reception Building (Building 9) and the Tower located at Worcester County Jail in West Boylston, Massachusetts.

On October 7, 2021, a Fuss & O'Neill. Inc. state-certified Asbestos Inspector performed a limited asbestos inspection, a lead-based paint screening, and a fluorescent light ballast and mercury-containing equipment inventory prior to proposed selective demoition activities.

The information summarized in this report is solely for the abovementioned materials only. The work was performed in accordance with our written scope of services dated August 17, 2021.

If you should have any questions regarding the contents of the enclosed report, please do not hesitate to contact me at 617-282-4675, extension 4703. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Dustin A. Diedricksen
Associate / Department Manager

DD / rs

Enclosure

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California
Connecticut
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Vermont

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Limited Hazardous Building Materials Inspection Report Worcester County Jail Civitects Architecture

1 Introduction

On October 7, 2021, Fuss & O'Neill, Inc. (Fuss & O'Neill) representative, Mr. Lou Dias, performed a limited hazardous building materials inspection prior to proposed demolition activities to occur at the Visitor & Reception Building (Building 9) & the Tower located at Worcester County Jail in West Boylston, Massachusetts (the "Site").

1.1 Scope of Work

The work was performed for Civitects Architecture (the "Client") in accordance with our written scope of services dated August 17, 2021. This report is subject to the limitations presented in *Appendix A*. The scope of work included the following:

- Limited Asbestos-Containing Materials (ACM) Inspection;
- Lead-Based Paint (LBP) Screening; and
- Fluorescent Light Ballast and Mercury-Containing Equipment Inventory.

Fuss & O'Neill did not conduct subsurface investigations to identify concealed suspect materials throughout the subject property.

We excluded collection and analysis of suspect materials for polychlorinated biphenyls (PCBs) during this inspection. Sampling for PCBs is presently not mandated by the United States Environmental Protection Agency (EPA); however, significant liability risk for disposing of PCB-containing wastes exists. Recent knowledge of PCBs within these matrices has become more prevalent, especially with remediation contractors, waste haulers, and disposal facilities. Many property owners have become subject to large changes in schedule, scope, and costs as a result of failure to identify PCBs prior to renovation or demolition activities.

2 Limited Asbestos Inspection

A property owner or operator must ensure that a thorough asbestos inspection is performed prior to possible disturbance of suspect ACM during renovation or demolition activities. This is a requirement of the United States Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

On October 7, 2021, Mr. Dias of Fuss & O'Neill conducted the limited inspection of visible and accessible areas. Mr. Dias is a Commonwealth of Massachusetts Department of Labor Standards (MADLS)-certified Asbestos Inspector. Refer to *Appendix B* for copies of the Asbestos Inspector's state certification and EPA accreditation.

2.1 Methodology

The inspection was conducted by visually inspecting for suspect ACM and touching each of the suspect ACM. The suspect ACM were grouped into three EPA NESHAP categories: Friable; Category I Non-Friable, and Category II Non-Friable.

- Friable is defined as material that contains greater than one percent (> 1%) asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I Non-Friable refers to material that contains > 1% asbestos (i.e., packings, gaskets, resilient floor coverings, and asphalt roofing products) that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Category II Non-Friable refers to any non-friable material excluding Category I materials that contain > 1% asbestos that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM were also categorized into their applications including: Thermal System Insulation (TSI), Surfacing ACM, and Miscellaneous ACM. TSI includes those materials used to prevent heat loss/gain or water condensation on mechanical systems. Examples of TSI include, but are not limited to, pipe insulation, boiler insulation, duct insulation, mudded pipe fitting insulation, etc. Surfacing ACM includes those ACM that are sprayed-on, troweled-on, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous ACM include those not listed as TSI or Surfacing ACM, such as sheet flooring, floor tiles, ceiling tiles, caulking, mastics, construction adhesives, etc.

The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content, and separating suspect ACM into homogenous material types (similar in color, texture, and date of application). The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected for each homogeneous material, but the NESHAP regulation does recommend the use of sampling protocols included in EPA Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

The EPA AHERA regulation requires a specific number of samples be collected based on the material type and quantity present. This regulation includes the following protocol:

1. Surfacing Materials (e.g., plaster, spray-applied fireproofing, etc.) shall be collected in a randomly-distributed manner representing each homogenous area based on the overall quantity as follows:

    a. At least three (3) bulk samples collected from each homogenous area that is less than or equal to 1,000 square feet.
    b. At least five (5) bulk samples collected from each homogenous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
    c. At least seven (7) bulk samples collected from each homogenous area that is greater than 5,000 square feet.

2. Thermal System Insulation (e.g., pipe insulation, tank insulation, etc.) shall be collected in a randomly-distributed manner representing each homogenous area. At least three (3) bulk samples shall be collected of each homogenous material type. Also, at least one (1) bulk sample of any patching material applied to TSI, presuming the patched area is less than six linear or square feet, shall be collected.

3. Miscellaneous Materials (e.g., floor tile, mastic, cement board, caulking, glazing, etc.) should have at least two (2) bulk samples collected of each homogenous material type. Sample collection shall be conducted in a manner sufficient to determine the asbestos content of the homogenous material type as determined by the inspector.

Suspect ACM samples were collected, and proper chain-of-custody forms were prepared for transmission of collected samples to EMSL Analytical, Inc. (EMSL), for analysis. EMSL is a Commonwealth of Massachusetts-licensed and American Industrial Hygiene Association (AIHA)-accredited Asbestos Analytical Laboratory. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

If samples of suspect ACM could not be collected, these materials were assumed to contain asbestos and quantities were approximated.

2.2 Results

The EPA, the Occupational Safety and Health Administration (OSHA), and the MADLS define a material that contains > 1% asbestos (by PLM/DS analysis) as an ACM. The Massachusetts Department of Environmental Protection (MassDEP) further defines ACM as materials containing greater than or equal to (≥) 1% asbestos. MassDEP also defines an asbestos-containing waste material (ACWM) as:

- ACM removed during renovation or demolition activities;
- Materials contaminated by an ACM during renovation or demolition activities; or
- ACM on and/or in facility components that are inoperable or have been taken out of service.

The MassDEP further defines waste material containing any amount of asbestos as an ACWM, which must be managed and disposed of as such. Materials that are identified as "none detected" are specified as not containing asbestos.

Utilizing the EPA, OSHA, MADLS, and MassDEP protocols and criteria, the following material types were determined to be ACM:

- Window Glazing Compounds (multiple window types)
- Gray Roof Patch

Refer to Table 1, attached, for the complete list of ACM, non-ACM identified by sample identification, material type, sample location, and asbestos content as part of this inspection. Refer to Table 2, attached, for the identified ACM inventory.

Refer to *Appendix C* for the asbestos laboratory analytical report and chain-of-custody form.

If disturbed by renovation or demolition activities, LBP-coated building components should be segregated from the general demolition waste stream for sample collection and analysis by TCLP to determine proper off-site waste disposal. If disturbed and managed off-site, non-porous LBP-coated building materials (i.e., metals) may be segregated and recycled as scrap metal. Metal LBP-coated building components cannot be subject to grinding, sawing, drilling, sanding, or torch cutting.

The EPA Resource Conservation and Recovery Act (RCRA) and MassDEP regulate lead-containing waste disposal. If lead is determined to be present, representative composite samples of the anticipated waste stream must be collected and analyzed using the Toxicity Characteristic Leaching Procedure (TCLP). The results are compared to a threshold value of 5.0 milligrams per liter (mg/L). If TCLP sample analytical results exceed this value, the waste is characterized as hazardous lead waste. If the result is below the threshold value, the waste material is not considered hazardous and may be disposed of as construction and demolition debris.

4 Fluorescent Light Ballasts & Mercury-Containing Equipment

4.1 Fluorescent Light Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No PCBs" must be assumed to contain PCBs unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexyl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent lighting ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under RCRA and the Superfund Law as a hazardous waste. Therefore, Superfund liability exists for landfilling both PCB- and DEHP-containing light ballasts. These listed materials are considered hazardous waste under RCRA and require special handling and disposal considerations.

4.2 Mercury-Containing Equipment

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of liquid mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by EPA RCRA regulations.

4.3 Results

Fuss & O'Neill performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing ballasts in the building. The inspection involved visually inspecting labels on representative light ballasts to identify manufacture dates and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB- or DEHP-containing ballasts and were not quantified for disposal. An in-place inventory of the fluorescent lamps/tubes and other mercury-containing equipment was completed concurrently. Refer to Table 3, attached, for an inventory of fluorescent light ballast and mercury-containing equipment identified during the inspection.

4.4 Conclusions & Recommendations

PCB and DEHP-containing fluorescent light ballasts and mercury-containing equipment were identified in the building during this inspection.

Fluorescent light ballasts marked as "No PCBs" with date labels indicating manufacture prior to 1991 are presumed to contain DEHP. DEHP-containing ballasts must be segregated for proper packaging, transporting, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing ballasts are slightly varied, and disposal costs are slightly less, when compared to PCB-containing light ballasts.

According to the EPA, mercury-containing equipment is characterized as a hazardous waste and mercury lamps/tubes are characterized as a Universal Waste. The mercury-containing equipment and fluorescent lamps/tubes identified in the proposed renovation areas must be recycled, reclaimed, or disposed as hazardous waste or Universal Waste prior to disturbance.

Report prepared by Project Assistant, Rachel Szalankiewicz.

Reviewed by:

Dustin A. Diedricksen
Associate/Department Manager

Tables

FUSS & O'NEILL

Table 1
Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary

Visitor & Reception Building (Building 9) & Tower
West Boylston, MA

Civitects
October 2021
Fuss & O'Neill Reference No. 20190696.H30

Sample Number	Material Type	NESHAP Category	Sample Location	Result
01A-LD-100721	White Skim Coat	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Walls	ND
01B-LD-100721	White Skim Coat	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Walls	ND
01C-LD-100721	White Skim Coat	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Ceiling	ND
01D-LD-100721	White Skim Coat	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Ceiling	ND
01E-LD-100721	White Skim Coat	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Wall	ND
02A-LD-100721	Gray Rough Coat Plaster on Metal Lath	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Walls	ND
02B-LD-100721	Gray Rough Coat Plaster on Metal Lath	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Walls	ND
02C-LD-100721	Gray Rough Coat Plaster on Metal Lath	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Ceiling	ND
02D-LD-100721	Gray Rough Coat Plaster on Metal Lath	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Ceiling	ND
02E-LD-100721	Gray Rough Coat Plaster on Metal Lath	Non-ACM	Interior of Tower, 2nd Level (Bathroom) Wall	ND
03A-LD-100721	Off-White Interior Window Caulking	Non-ACM	Tower Bathroom Windows	ND
03B-LD-100721	Off-White Interior Window Caulking	Non-ACM	Tower Bathroom Windows	ND
04A-LD-100721	Black Window Glazing Compound	Cat 2 NF	Tower Bathroom Windows (Interior)	2% Chrysotile
04B-LD-100721	Black Window Glazing Compound	Cat 2 NF	Tower Bathroom Windows (Interior)	Pos Stop
05A-LD-100721	Tan Wall Adhesive	Non-ACM	3rd Level Tower Guard Watch	ND
05B-LD-100721	Tan Wall Adhesive	Non-ACM	3rd Level Tower Guard Watch	ND
06A-LD-100721	White Plaster Skim Coat	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
06B-LD-100721	White Plaster Skim Coat	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
06C-LD-100721	White Plaster Skim Coat	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
06D-LD-100721	White Plaster Skim Coat	Non-ACM	3rd Level Tower Guard Watch (Ceiling)	ND
06E-LD-100721	White Plaster Skim Coat	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
07A-LD-100721	Gray Rough Coat on Metal Lath	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
07B-LD-100721	Gray Rough Coat on Metal Lath	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
07C-LD-100721	Gray Rough Coat on Metal Lath	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
07D-LD-100721	Gray Rough Coat on Metal Lath	Non-ACM	3rd Level Tower Guard Watch (Wall)	ND
07E-LD-100721	Gray Rough Coat on Metal Lath	Non-ACM	3rd Level Tower Guard Watch (Ceiling)	ND

FUSS & O'NEILL

Table 1
Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary

Sample Number	Material Type	NESHAP Category	Sample Location	Result
08A-LD-100721	Black Bay Window Glazing Compound	Cat 2 NF	3rd Level Tower Guard Watch	2% Chrysotile
08B-LD-100721	Black Bay Window Glazing Compound	Cat 2 NF	3rd Level Tower Guard Watch	Pos Stop
09A-LD-100721	Black Mastic on Iso Board	Non-ACM	Roof of Tower	ND
09B-LD-100721	Black Mastic on Iso Board	Non-ACM	Roof of Tower	ND
10A-LD-100721	Black Mastic on Concrete	Non-ACM	Roof of Tower	ND
10B-LD-100721	Black Mastic on Concrete	Non-ACM	Roof of Tower	ND
11A-LD-100721	Gray Roof Patch	Cat 1 NF	Roof of Tower	10% Chrysotile
11B-LD-100721	Gray Roof Patch	Cat 1 NF	Roof of Tower	Pos Stop
12A-LD-100721	Caulking on Hand Rail Base (Gray)	Non-ACM	Roof of Tower	ND
12B-LD-100721	Caulking on Hand Rail Base (Gray)	Non-ACM	Roof of Tower	ND
13A-LD-100721	White Tower Skim Coat	Non-ACM	Exterior of Tower	ND
13B-LD-100721	White Tower Skim Coat	Non-ACM	Exterior of Tower	ND
13C-LD-100721	White Tower Skim Coat	Non-ACM	Exterior of Tower	ND
13D-LD-100721	White Tower Skim Coat	Non-ACM	Exterior of Tower	ND
13E-LD-100721	White Tower Skim Coat	Non-ACM	Exterior of Tower	ND
14A-LD-100721	Gray Interior Window Frame Caulking	Non-ACM	1st Level Interior	ND
14B-LD-100721	Gray Interior Window Frame Caulking	Non-ACM	1st Level Interior	ND
15A-LD-100721	Black Interior Window Glazing Compound	Cat 2 NF	1st Level Interior	2% Chrysotile
15B-LD-100721	Black Interior Window Glazing Compound	Cat 2 NF	1st Level Interior	Pos Stop
16A-LD-100721	Gray Window Frame Caulking	Non-ACM	Exterior of Tower	ND
16B-LD-100721	Gray Window Frame Caulking	Non-ACM	Exterior of Tower	ND
47A-LD-100721	Exterior Door Frame Caulking (Off-White)	Non-ACM	Exterior of Tower	ND
47B-LD-100721	Exterior Door Frame Caulking (Off-White)	Non-ACM	Exterior of Tower	ND
17A-LD-100721	White Control Joint Caulking	Non-ACM	Exterior of Building 9	ND
17B-LD-100721	White Control Joint Caulking	Non-ACM	Exterior of Building 9	ND
18A-LD-100721	Gray Window Frame Caulking	Non-ACM	Exterior of Building 9	ND
18B-LD-100721	Gray Window Frame Caulking	Non-ACM	Exterior of Building 9	ND
19A-LD-100721	Gray Cementitious Skim Coat	Non-ACM	Exterior of Building 9	ND
19B-LD-100721	Gray Cementitious Skim Coat	Non-ACM	Exterior of Building 9	ND
20A-LD-100721	Mint Exterior Caulking Around Staircase	Non-ACM	Exterior of Building 9	ND

FUSS & O'NEILL

Table 1
Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary

Sample Number	Material Type	NESHAP Category	Sample Location	Result
20B-LD-100721	Mint Exterior Caulking Around Staircase	Non-ACM	Exterior of Building 9	ND
21A-LD-100721	Gray Floor Leveling Material	Non-ACM	Interior of Building 9 (Visiting)	ND
21B-LD-100721	Gray Floor Leveling Material	Non-ACM	Interior of Building 9 (Visiting)	ND
22A-LD-100721	Yellow Floor Tile Adhesive	Non-ACM	Interior of Building 9 (Visiting)	ND
22B-LD-100721	Yellow Floor Tile Adhesive	Non-ACM	Interior of Building 9 (Visiting)	ND
23A-LD-100721	Black 4" Baseboard	Non-ACM	Interior of Building 9 (Visiting)	ND
23B-LD-100721	Black 4" Baseboard	Non-ACM	Interior of Building 9 (Visiting)	ND
24A-LD-100721	Yellow Baseboard Adhesive	Non-ACM	Interior of Building 9 (Visiting)	ND
24B-LD-100721	Yellow Baseboard Adhesive	Non-ACM	Interior of Building 9 (Visiting)	ND
25A-LD-100721	Gray Gypsum Board	Non-ACM	Interior of Building 9 (Visiting)	ND
25B-LD-100721	Gray Gypsum Board	Non-ACM	Interior of Building 9 (Visiting)	ND
26A-LD-100721	White Joint Compound	Non-ACM	Interior of Building 9 (Visiting)	ND
26B-LD-100721	White Joint Compound	Non-ACM	Interior of Building 9 (Visiting)	ND
27A-LD-100721	White Wall Panel Adhesive	Non-ACM	Interior of Building 9 (Visiting)	ND
27B-LD-100721	White Wall Panel Adhesive	Non-ACM	Interior of Building 9 (Visiting)	ND
28A-LD-100721	Tan Mottled Floor Tile (12" x 12")	Non-ACM	Interior of Building 9 (Visiting)	ND
28B-LD-100721	Tan Mottled Floor Tile (12" x 12")	Non-ACM	Interior of Building 9 (Visiting)	ND
29A-LD-100721	Gray Mottled Floor Tile (12" x 12")	Non-ACM	Interior of Building 9 (Visiting)	ND
29B-LD-100721	Gray Mottled Floor Tile (12" x 12")	Non-ACM	Interior of Building 9 (Receiving)	ND
30A-LD-100721	Off-White Gypsum Ceiling Tile	Non-ACM	Interior of Building 9 (Visiting Offices)	ND
30B-LD-100721	Off-White Gypsum Ceiling Tile	Non-ACM	Interior of Building 9 (Receiving)	ND
31A-LD-100721	Dark Gray Window Glazing Compound, Bay Security Office Windows	Non-ACM	Interior of Building 9 (Visiting Offices)	ND
31B-LD-100721	Dark Gray Window Glazing Compound, Bay Security Office Windows	Non-ACM	Interior of Building 9 (Visiting Offices)	ND
32A-LD-100721	Yellow Wall Adhesive	Non-ACM	Interior Building 9 (Ip Area)	ND
32B-LD-100721	Yellow Wall Adhesive	Non-ACM	Interior Building 9 (Ip Area)	ND
33A-LD-100721	Tan Ceramic Wall Tile Thin-Set Mortar	Non-ACM	Interior Building 9 (Ip Area Bathroom)	ND
33B-LD-100721	Tan Ceramic Wall Tile Thin-Set Mortar	Non-ACM	Interior Building 9 (Receiving)	ND
34A-LD-100721	White Ceramic Wall Tile Grout	Non-ACM	Interior Building 9 (Ip Area Bathroom)	ND
34B-LD-100721	White Ceramic Wall Tile Grout	Non-ACM	Interior Building 9 (Receiving)	ND
35A-LD-100721	Gray Ceramic Floor Tile Thin-Set Mortar	Non-ACM	Interior Building 9 (Ip Area Bathroom)	ND

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Table 1
Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary

Sample Number	Material Type	NESHAP Category	Sample Location	Result
35B-LD-100721	Gray Ceramic Floor Tile Thin-Set Mortar	Non-ACM	Interior Building 9 (Receiving)	ND
36A-LD-100721	Gray Ceramic Floor Tile Grout	Non-ACM	Interior Building 9 (Ip Area Bathroom)	ND
36B-LD-100721	Gray Ceramic Floor Tile Grout	Non-ACM	Interior Building 9 (Ip Area Bathroom)	ND
37A-LD-100721	Gray Pipe-Thread Sealant	Non-ACM	Interior Building 9 (Visiting)	ND
37B-LD-100721	Gray Pipe-Thread Sealant	Non-ACM	Interior Building 9 (Receiving)	ND
38A-LD-100721	White Bathroom Sink Caulking	Non-ACM	Interior Building 9 (Receiving)	ND
38B-LD-100721	White Bathroom Sink Caulking	Non-ACM	Interior Building 9 (Receiving)	ND
39A-LD-100721	Gray Cementitious Flooring Material	Non-ACM	Interior Building 9 (Receiving)	ND
39B-LD-100721	Gray Cementitious Flooring Material	Non-ACM	Interior Building 9 (Receiving)	ND
40A-LD-100721	Security Door Black Window Glazing Compound	Cat 2 NF	Interior Building 9 (Receiving)	2% Chrysotile
40B-LD-100721	Security Door Black Window Glazing Compound	Cat 2 NF	Interior Building 9 (Receiving)	Pos Stop
41A-LD-100721	Tan Roof Sealant (HVAC Sealant)	Non-ACM	Building 9 Roof	ND
41B-LD-100721	Tan Roof Sealant (HVAC Sealant)	Non-ACM	Building 9 Roof	ND
42A-LD-100721	Black Lap-Seam Sealant	Non-ACM	Building 9 Roof	ND
42B-LD-100721	Black Lap-Seam Sealant	Non-ACM	Building 9 Roof	ND
43A-LD-100721	Gray Roof Sealant (HVAC)	Non-ACM	Building 9 Roof	ND
43B-LD-100721	Gray Roof Sealant (HVAC)	Non-ACM	Building 9 Roof	ND
44A-LD-100721	Off-White Gypsum Roofing Material	Non-ACM	Building 9 Roof	ND
44B-LD-100721	Off-White Gypsum Roofing Material	Non-ACM	Building 9 Roof	ND
45A-LD-100721	Yellow Carpet Glue	Non-ACM	Interior Building 9 (Visiting)	ND
45B-LD-100721	Yellow Carpet Glue	Non-ACM	Interior Building 9 (Visiting)	ND
46A-LD-100721	Yellow Glue on Exterior	Non-ACM	Exterior of Building 9	ND
46B-LD-100721	Yellow Glue on Exterior	Non-ACM	Exterior of Building 9	ND
48A-LD-100721	White Cementitious Wall Patch Material	Non-ACM	Exterior of Building 9	ND
48B-LD-100721	White Cementitious Wall Patch Material	Non-ACM	Exterior of Building 9	ND

Cat 1 NF = Category I Non-Friable Material
Cat 2 NF = Category II Non-Friable Material
Pos Stop = Positive Stop
ND = None Detected
ACM = Asbestos-Containing Material

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Table 2
Asbestos-Containing Materials Summary

Visitor & Reception Building (Building 9) & Tower
West Boylston, MA

Civitects
October 2021
Fuss & O'Neill Reference No. 20190696.H30

Asbestos-Containing Material (ACM) Type	Locations(s)	Asbestos Content	Estimated Total Quantity	Comments
Black Window Glazing Compound	Tower Bathroom	2% Chrysotile	6 EA	Quantity to be confirmed
Black Bay Window Glazing Compound	Tower, 3rd Level Guard Watch	2% Chrysotile	3 EA	
Gray Roof Patch	Tower Roof	10% Chrysotile	10 SF	
Black Interior Window Glazing Compound	Tower, 1st Level	2% Chrysotile	4 EA	
Security Door Black Window Glazing Compound	Building 9	2% Chrysotile	10 EA	Quantity to be confirmed

EA = Each, SF = Square Feet

Table 3
Fluorescent Light Ballast & Mercury-Containing Equipment Inventory Summary

Type	Estimated Quantity
Presumed DEHP/PCB-Containing Ballasts	< 10 (mostly LED lighting)
Thermostatic Controllers & Mercury Switches	< 5

Appendix A

Limitations

APPENDIX A

Worcester County Jail
West Boylston, Massachusetts

1. This environmental report has been prepared for the exclusive use of the Client, and is subject to, and is issued in connection with, the general terms and conditions of the original Agreement (August 17, 2021) and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill, shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
2. Fuss & O'Neill has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM that must be managed prior to renovation or demolition activities that may disturb these materials at the subject property(ies). Fuss & O'Neill has not performed an independent review of the reliability of this laboratory data.
3. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surfaces that were not included in the scope of work of this inspection. Fuss & O'Neill cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this inspection.
4. The findings, observations, and conclusions presented in this report are limited by the scope of services outlined in our original Agreement, which reflects schedule and budgetary constraints imposed by the Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
5. The conclusions presented in this report are based solely upon information gathered by Fuss & O'Neill to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to Fuss & O'Neill's attention. Based upon an evaluation and assessment of relevant information, Fuss & O'Neill may modify the report and its conclusions.

Appendix B

Fuss & O'Neill Asbestos Inspector State Certification & EPA Accreditation

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Michael Flanagan
Director

Asbestos Inspector

LUIZ C. DIAS, JR.

Eff. Date 01/13/21
Exp. Date 01/13/22
AI900440
Member of C.O.N.E.S.
BOSR **BOS 10/5/21**

22

This is to certify that

Lou C. Dias Jr.

1188 Merrimack Avenue, Dracut, MA 01826
MA DLS Asbestos Inspector License# AI900440

INSTITUTE FOR ENVIRONMENTAL EDUCATION

has completed requisite training by Video Conference, and has passed an examination for reaccreditation as:

Asbestos Inspector Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
Zoom Video Conference
Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

October 5, 2021
Course Dates

21-3598-106-207949
Certificate Number

October 05, 2021
Examination Date

October 05, 2022
Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION

Appendix C

Asbestos Laboratory Analytical Report & Chain-of-Custody Form

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132107714
Customer ID:	ENVI54
Customer PO:	201906960.H30
Project ID:	

Attention:	Dustin Diedricksen	**Phone:**	(617) 778-3750
	Fuss & O'Neill, Inc.	**Fax:**	
	146 Hartford Road	**Received Date:**	10/08/2021 3:30 PM
	Manchester, CT 06040	**Analysis Date:**	10/15/2021
		Collected Date:	10/07/2021

Project: 201906960.H30 - Worcester County Jail; Visitor & Reception Building 9 & Tower; 5 Paul X Tivnan Drive; West Boylston, MA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A-LD-100721 *132107714-0001*	Interior of Tower, 2nd Level (Bathroom) Walls - White Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01B-LD-100721 *132107714-0002*	Interior of Tower, 2nd Level (Bathroom) Walls - White Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01C-LD-100721 *132107714-0003*	Interior of Tower, 2nd Level (Bathroom) Ceiling - White Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01D-LD-100721 *132107714-0004*	Interior of Tower, 2nd Level (Bathroom) Ceiling - White Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01E-LD-100721 *132107714-0005*	Interior of Tower, 2nd Level (Bathroom) Wall - White Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02A-LD-100721 *132107714-0006*	Interior of Tower, 2nd Level (Bathroom) Walls - Gray Rough Coat Plaster on Metal Lath	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B-LD-100721 *132107714-0007*	Interior of Tower, 2nd Level (Bathroom) Walls - Gray Rough Coat Plaster on Metal Lath	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02C-LD-100721 *132107714-0008*	Interior of Tower, 2nd Level (Bathroom) Ceiling - Gray Rough Coat Plaster on Metal Lath	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02D-LD-100721 *132107714-0009*	Interior of Tower, 2nd Level (Bathroom) Ceiling - Gray Rough Coat Plaster on Metal Lath	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02E-LD-100721 *132107714-0010*	Interior of Tower, 2nd Level (Bathroom) Wall - Gray Rough Coat Plaster on Metal Lath	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03A-LD-100721 *132107714-0011*	Tower Bathroom Windows - Off-White Interior Window Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 10/15/2021 18:57:54

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5 Constitution Way, Unit A Woburn, MA 01801
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http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132107714
Customer ID: ENVI54
Customer PO: 201906960.H30
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
03B-LD-100721 *132107714-0012*	Tower Bathroom Windows - Off-White Interior Window Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04A-LD-100721 *132107714-0013*	Tower Bathroom Windows (Interior) - Black Window Glazing	Black Non-Fibrous Homogeneous	2% Cellulose	96% Non-fibrous (Other)	2% Chrysotile
04B-LD-100721 *132107714-0014*	Tower Bathroom Windows (Interior) - Black Window Glazing				Positive Stop (Not Analyzed)
05A-LD-100721 *132107714-0015*	3rd Level Tower Guard Watch - Tan Wall Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05B-LD-100721 *132107714-0016*	3rd Level Tower Guard Watch - Tan Wall Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06A-LD-100721 *132107714-0017*	3rd Level Tower Guard Watch (Wall) - White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06B-LD-100721 *132107714-0018*	3rd Level Tower Guard Watch (Wall) - White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06C-LD-100721 *132107714-0019*	3rd Level Tower Guard Watch (Wall) - White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06D-LD-100721 *132107714-0020*	3rd Level Tower Guard Watch (Ceiling) - White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06E-LD-100721 *132107714-0021*	3rd Level Tower Guard Watch (Wall) - White Plaster Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07A-LD-100721 *132107714-0022*	3rd Level Tower Guard Watch (Wall) - Gray Rough Coat on Metal Lath	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07B-LD-100721 *132107714-0023*	3rd Level Tower Guard Watch (Wall) - Gray Rough Coat on Metal Lath	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07C-LD-100721 *132107714-0024*	3rd Level Tower Guard Watch (Wall) - Gray Rough Coat on Metal Lath	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07D-LD-100721 *132107714-0025*	3rd Level Tower Guard Watch (Wall) - Gray Rough Coat on Metal Lath	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07E-LD-100721 *132107714-0026*	3rd Level Tower Guard Watch (Ceiling) - Gray Rough Coat on Metal Lath	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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5 Constitution Way, Unit A Woburn, MA 01801
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http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132107714
Customer ID: ENVI54
Customer PO: 201906960.H30
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
08A-LD-100721 *132107714-0027*	3rd Level Tower Guard Watch - Black Bay Window Glazing	Black Non-Fibrous Homogeneous	2% Cellulose	96% Non-fibrous (Other)	2% Chrysotile
08B-LD-100721 *132107714-0028*	3rd Level Tower Guard Watch - Black Bay Window Glazing				Positive Stop (Not Analyzed)
09A-LD-100721 *132107714-0029*	Roof of Tower - Black Mastic on ISO Board	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09B-LD-100721 *132107714-0030*	Roof of Tower - Black Mastic on ISO Board	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10A-LD-100721 *132107714-0031*	Roof of Tower - Black Mastic on Concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10B-LD-100721 *132107714-0032*	Roof of Tower - Black Mastic on Concrete	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11A-LD-100721 *132107714-0033*	Roof of Tower - Gray Roof Patch	Black Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
11B-LD-100721 *132107714-0034*	Roof of Tower - Gray Roof Patch				Positive Stop (Not Analyzed)
12A-LD-100721 *132107714-0035*	Roof of Tower - Caulking on Hand Rail Base (Gray)	Gray Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
12B-LD-100721 *132107714-0036*	Roof of Tower - Caulking on Hand Rail Base (Gray)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13A-LD-100721 *132107714-0037*	Exterior of Tower - White Tower Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13B-LD-100721 *132107714-0038*	Exterior of Tower - White Tower Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13C-LD-100721 *132107714-0039*	Exterior of Tower - White Tower Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13D-LD-100721 *132107714-0040*	Exterior of Tower - White Tower Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13E-LD-100721 *132107714-0041*	Exterior of Tower - White Tower Skim Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14A-LD-100721 *132107714-0042*	1st Level Interior - Gray Interior Window Frame Caulking	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14B-LD-100721 *132107714-0043*	1st Level Interior - Gray Interior Window Frame Caulking	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15A-LD-100721 *132107714-0044*	1st Level Interior - Black Interior Window Glazing	Black Non-Fibrous Homogeneous	2% Cellulose	96% Non-fibrous (Other)	2% Chrysotile
15B-LD-100721 *132107714-0045*	1st Level Interior - Black Interior Window Glazing				Positive Stop (Not Analyzed)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16A-LD-100721 *132107714-0046*	Exterior of Tower - Gray Window Frame Caulking	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16B-LD-100721 *132107714-0047*	Exterior of Tower - Gray Window Frame Caulking	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47A-LD-100721 *132107714-0048*	Exterior of Tower - Exterior Door Frame Caulking (Off-White)	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47B-LD-100721 *132107714-0049*	Exterior of Tower - Exterior Door Frame Caulking (Off-White)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17A-LD-100721 *132107714-0050*	Exterior of Building 9 - White Control Joint Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17B-LD-100721 *132107714-0051*	Exterior of Building 9 - White Control Joint Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18A-LD-100721 *132107714-0052*	Exterior of Building 9 - Gray Window Frame Caulking	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18B-LD-100721 *132107714-0053*	Exterior of Building 9 - Gray Window Frame Caulking	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19A-LD-100721 *132107714-0054*	Exterior of Building 9 - Gray Cementitious Skim Coat	Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
19B-LD-100721 *132107714-0055*	Exterior of Building 9 - Gray Cementitious Skim Coat	Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
20A-LD-100721 *132107714-0056*	Exterior of Building 9 - Mint Exterior Caulking Around Staircase	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20B-LD-100721 *132107714-0057*	Exterior of Building 9 - Mint Exterior Caulking Around Staircase	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21A-LD-100721 *132107714-0058*	Interior of Building 9 (Visiting) - Gray Floor Leveling Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21B-LD-100721 *132107714-0059*	Interior of Building 9 (Visiting) - Gray Floor Leveling Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22A-LD-100721 *132107714-0060*	Interior of Building 9 (Visiting) - Yellow Floor Tile Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22B-LD-100721 *132107714-0061*	Interior of Building 9 (Visiting) - Yellow Floor Tile Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23A-LD-100721 *132107714-0062*	Interior of Building 9 (Visiting) - Black 4" Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23B-LD-100721 *132107714-0063*	Interior of Building 9 (Visiting) - Black 4" Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24A-LD-100721 *132107714-0064*	Interior of Building 9 (Visiting) - Yellow Cove Base Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
24B-LD-100721 *132107714-0065*	Interior of Building 9 (Visiting) - Yellow Cove Base Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25A-LD-100721 *132107714-0066*	Interior of Building 9 (Visiting) - Gray Gypsum Board	Gray/Tan Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
25B-LD-100721 *132107714-0067*	Interior of Building 9 (Visiting) - Gray Gypsum Board	Gray/Tan Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
26A-LD-100721 *132107714-0068*	Interior of Building 9 (Visiting) - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26B-LD-100721 *132107714-0069*	Interior of Building 9 (Visiting) - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27A-LD-100721 *132107714-0070*	Interior of Building 9 (Visiting) - White Wall Panel Adhesive	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27B-LD-100721 *132107714-0071*	Interior of Building 9 (Visiting) - White Wall Panel Adhesive	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28A-LD-100721 *132107714-0072*	Interior of Building 9 (Visiting) - Tan Mottled Floor Tile (12x12)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28B-LD-100721 *132107714-0073*	Interior of Building 9 (Visiting) - Tan Mottled Floor Tile (12x12)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29A-LD-100721 *132107714-0074*	Interior of Building 9 (Visiting) - Gray Mottled Floor Tile (12x12)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29B-LD-100721 *132107714-0075*	Interior of Building 9 (Receiving) - Gray Mottled Floor Tile (12x12)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30A-LD-100721 *132107714-0076*	Interior of Building 9 (Visiting Offices) - Off-White Gypsum Ceiling Tile	Tan/White Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
30B-LD-100721 *132107714-0077*	Interior of Building 9 (Receiving) - Off-White Gypsum Ceiling Tile	Tan/White Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
31A-LD-100721 *132107714-0078*	Interior of Building 9 (Visiting Offices) - Dark Gray Window Glazing, Bay Security Office Windows	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31B-LD-100721 *132107714-0079*	Interior of Building 9 (Visiting Offices) - Dark Gray Window Glazing, Bay Security Office Windows	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32A-LD-100721 *132107714-0080*	Interior Building 9 (IP Area) - Yellow Wall Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 132107714
Customer ID: ENVI54
Customer PO: 201906960.H30
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
32B-LD-100721 *132107714-0081*	Interior Building 9 (IP Area) - Yellow Wall Adhesive	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33A-LD-100721 *132107714-0082*	Interior Building 9 (IP Area Bathroom) - Tan Ceramic Wall Tile Thinset	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33B-LD-100721 *132107714-0083*	Interior Building 9 (Receiving) - Tan Ceramic Wall Tile Thinset	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34A-LD-100721 *132107714-0084*	Interior Building 9 (IP Area Bathroom) - White Ceramic Wall Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34B-LD-100721 *132107714-0085*	Interior Building 9 (Receiving) - White Ceramic Wall Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35A-LD-100721 *132107714-0086*	Interior Building 9 (IP Area Bathroom) - Gray Ceramic Floor Tile Thinset	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35B-LD-100721 *132107714-0087*	Interior Building 9 (Receiving) - Gray Ceramic Floor Tile Thinset	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
36A-LD-100721 *132107714-0088*	Interior Building 9 (IP Area Bathroom) - Gray Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
36B-LD-100721 *132107714-0089*	Interior Building 9 (IP Area Bathroom) - Gray Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37A-LD-100721 *132107714-0090*	Interior Building 9 (Visiting) - Gray Pipe Thread Sealant	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37B-LD-100721 *132107714-0091*	Interior Building 9 (Receiving) - Gray Pipe Thread Sealant	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38A-LD-100721 *132107714-0092*	Interior Building 9 (Receiving) - White Bathroom Sink Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38B-LD-100721 *132107714-0093*	Interior Building 9 (Receiving) - White Bathroom Sink Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39A-LD-100721 *132107714-0094*	Interior Building 9 (Receiving) - Gray Cementitious Flooring Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39B-LD-100721 *132107714-0095*	Interior Building 9 (Receiving) - Gray Cementitious Flooring Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 132107714
Customer ID: ENVI54
Customer PO: 201906960.H30
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
40A-LD-100721 *132107714-0096*	Interior Building 9 (Receiving) - Security Door Black Window Glazing	Black Non-Fibrous Homogeneous	2% Cellulose	96% Non-fibrous (Other)	2% Chrysotile
40B-LD-100721 *132107714-0097*	Interior Building 9 (Receiving) - Security Door Black Window Glazing				Positive Stop (Not Analyzed)
41A-LD-100721 *132107714-0098*	Building 9 Roof - Tan Roof Sealant (HVAC Sealant)	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41B-LD-100721 *132107714-0099*	Building 9 Roof - Tan Roof Sealant (HVAC Sealant)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42A-LD-100721 *132107714-0100*	Building 9 Roof - Black Lap Seam Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42B-LD-100721 *132107714-0101*	Building 9 Roof - Black Lap Seam Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43A-LD-100721 *132107714-0102*	Building 9 Roof - Gray Roof Sealant (HVAC)	Gray/Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
43B-LD-100721 *132107714-0103*	Building 9 Roof - Gray Roof Sealant (HVAC)	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
44A-LD-100721 *132107714-0104*	Building 9 Roof - Off-White Gypsum Roofing Material	Beige Fibrous Homogeneous	3% Glass	97% Non-fibrous (Other)	None Detected
44B-LD-100721 *132107714-0105*	Building 9 Roof - Off-White Gypsum Roofing Material	White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
45A-LD-100721 *132107714-0106*	Interior Building 9 (Visiting) - Yellow Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45B-LD-100721 *132107714-0107*	Interior Building 9 (Visiting) - Yellow Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46A-LD-100721 *132107714-0108*	Exterior of Building 9 - Yellow Glue on Exterior	White/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46B-LD-100721 *132107714-0109*	Exterior of Building 9 - Yellow Glue on Exterior	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48A-LD-100721 *132107714-0110*	Exterior of Building 9 - White Cementitious Wall Patch Material	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48B-LD-100721 *132107714-0111*	Exterior of Building 9 - White Cementitious Wall Patch Material	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	132107714
Customer ID:	ENVI54
Customer PO:	201906960.H30
Project ID:	

Analyst(s)

Elizabeth Stutts (58)
John McCarthy (48)

Steve Grise, Laboratory Manager
or Other Approved Signatory

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Asbestos Bulk Sample Chain-of-Custody Form

Sheet 1 of 10

Project Name: Worcester County Jail - Civitects **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor reception bldg 9 + tower **Project Manager:** D. Diedrickson

Site Address: 5 Paul X. Tivnan Dr., West Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
01A-LD-100721	White skim coat	Interior of tower 2nd level (Bath room) walls	
01B	↓	↓ walls	
01C	↓	↓ Ceiling	
01D	↓	↓ Ceiling	
01E	↓	↓ wall	
02A-LD-100721	Gray rough coat plaster on metal lath	Interior of tower 2nd level (Bathroom) walls	
02B	↓	↓ walls	
02C	↓	↓ Ceiling	
02D	↓	↓ ceiling	
02E	↓	↓ wall	
03A-LD-100721	Off white interior window caulking	Tower Bathroom windows	
03B	↓	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

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Samples Collected by: Lou Dias **Date:** 10/7/21

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Sheet 2 of 16

Project Name: Worcester County Jail **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor reception bldg + tower **Project Manager:** D. Diedricksen

Site Address: 5 Tivnan Rd, W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
04A-LD-100721	Black window glazing	Tower Bathroom windows (Int)	
04B	↓	↓	
05A-LD-100721	Tan wall adhesive	3rd level tower guard watch	300SF
05B	↓	↓	
06A-LD-100721	White plaster skimcoat	3rd level tower guard watch (wall)	
06B	↓	↓	wall
06C	↓	↓	wall
06D	↓	↓	ceiling
06E	↓	↓	wall
07A-LD-100721	Gray rough coat on metal lath	3rd level tower guard watch (wall)	
07B	↓	↓	wall
07C	↓	↓	wall

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

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Samples Collected by: Lou Dias **Date:** 10/7/21

Samples Sent by: _____ **Date:** _____ **Time:** _____

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Asbestos Bulk Sample Chain-of-Custody Form

Sheet 3 of 10

Project Name: Worcester County Jail **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor reception bldg 9 + tower **Project Manager:** D. Diedricksen

Site Address: 5 Tivnan Rd., W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
07D-LD-100721	Gray rough coat on metal lath	3rd level tower guard watch (wall)	
07E	↓	↓ ceiling	
08A-LD-100721	Black bay window glazing	3rd level tower guard watch	3 ea
08B	↓	↓	
09A-LD-100721	Black mastic on iso board	Roof of tower	10 by 10
09B	↓	↓	
10A-LD-100721	Black mastic on concrete	Roof of tower	10 by 10
10B	↓	↓	
11A-LD-100721	Gray roof patch	Roof of tower	10 SF
11B	↓	↓	
12A-LD-100721	Caulking on hand rail (gray) base	Roof of tower	4 LF
12B	↓	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

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Samples Collected by: Lou Diaz **Date:** 10/7/21

Samples Sent by: _____ **Date:** _____ **Time:** _____

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Asbestos Bulk Sample Chain-of-Custody Form

Sheet 4 of 10

Project Name: Worcester County Jail **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor reception bldg + tower **Project Manager:** D. Diedricksen

Site Address: 5 Tivnan Rd, W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
13A-LD-100721	white tower skim coat	exterior of tower	
13B	↓	↓	
13C			
13D			
13E	↓	↓	
14A-LD-100721	Gray interior window frame caulking	1st level interior	4EA
14B	↓	↓	
15A-LD-100721	Black interior window glazing	1st level interior	4EA
15B	↓	↓	
16A-LD-100721	Gray window frame caulking	exterior of tower	~~15LF~~ 4EA
16B	↓	↓	
17A-LD-100721	exterior door frame caulking (off white)	exterior of tower	15LF
17B	↓		

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

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Samples Collected by: Lou Dias **Date:** 10/7/21

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Asbestos Bulk Sample Chain-of-Custody Form

Sheet 5 of 10

Project Name: Worcester County Jail **Project No.:** 20190696.1130 **Task:**

Building Name/Number: Visitor + reception bldg 9 + tower **Project Manager:** D. Diedrickson

Site Address: 5 Tivnan Rd, W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
17A-LD-100721	White control joint caulking	exterior of building 9	
17B ↓	↓	↓	
18A-LD-100721	Gray window frame caulking	exterior of building 9	
18B ↓	↓	↓	
19A-LD-100721	Gray cementitious skimcoat	exterior of building 9	
19B ↓	↓	↓	
20A-LD-100721	Mint exterior caulking around staircase	exterior of building 9	10 LF
20B ↓	↓	↓	
21A-LD-100721	Gray floor leveling material	interior of building 9 (visiting)	
21B ↓	↓	↓	
22A-LD-100721	Yellow floor tile adhesive	interior of building 9 (visiting)	
22B ↓	↓	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

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Samples Collected by: Lou Dias **Date:** 10/7/21

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Asbestos Bulk Sample Chain-of-Custody Form

Project Name: Worcester County Jail **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor reception bldg 9 & tower **Project Manager:** D. Diedrickson

Site Address: 5 Tivnan Rd., W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
23A-LD-100721	Black 4in cove base	interior Bldg (visiting)	
23B ↓	↓	↓	
24A-LD-100721	Yellow cove base adhesive	interior bldg 9 (visiting)	
24B ↓	↓	↓	
25A-LD-100721	Gray gypsum board	interior bldg 9 (visiting)	
25B ↓	↓	↓	
26A-LD-100721	White Joint Compound	interior bldg 9 (visiting)	
26B ↓	↓	↓	
27A-LD-100721	White wall panel adhesive	interior bldg 9 (visiting)	
27B ↓	↓	↓	
28A-LD-100721	Tan mottled floor tile 12 by 12	interior bldg 9 (visiting)	
28B ↓	↓	↓	

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Samples Collected by: Lou Dias **Date:** 10/7/21

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Sheet 7 of 10

Project Name: Worcester County Jail **Project No.:** 20A0696.H30 **Task:**

Building Name/Number: Visitor Reception bldg 9 + tower **Project Manager:** D. Diedricksen

Site Address: 5 Tivnan Rd, W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
29A-LD-100721	Gray mottled floor tile (2x2)	interior bldg 9 (visiting)	
29B ↓	↓	↓ (receiving)	
30A-LD-100721	Off white 2x4 gypsum ceiling tile	interior bldg 9 (visiting offices)	
30B ↓	↓	↓ (receiving)	
31A-LD-100721	Dark gray window glazing bay security office windows	interior bldg 9 (visiting offices)	
31B ↓	↓	↓	
32A-LD-100721	Yellow wall adhesive	interior bldg 9 (IP Area)	
32B ↓	↓	↓	
33A-LD-100721	Ceramic Tan wall tile thinset [redacted]	interior bldg 9 (IP Area Bathroom)	
33B ↓	↓	↓ (receiving)	
34A-LD-100721	Ceramic wall tile grout white	interior bldg 9 (IP Area Bathroom)	
34B ↓	↓	↓ (receiving)	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

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Samples Collected by: Lou Diaz **Date:** 10/7/21

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Sheet 8 of 10

Project Name: Worcester County Jail **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor + reception bldg 9 + tower **Project Manager:** D. Diedrickson

Site Address: 5 Tivnan Rd., W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
35A-LD-100721	Ceramic Gray Floortile thinset	interior bldg 9 (IP Area Bathroom)	
35B ↓	↓	↓ (receiving)	
36A-LD-100721	Ceramic Gray Floortile grout	interior bldg 9 (IP Area Bathroom)	
36B ↓	↓	↓	
37A-LD-100721	Gray pipe thread sealant	interior bldg 9 (~~IP Area~~ Visiting)	
37B ↓	↓	↓ (receiving)	
38A-LD-100721	White Bathroom sink caulking	interior bldg 9 (receiving)	
38B-LD-↓	↓	↓	
39A-LD-100721	Gray cementitious flooring material	interior bldg 9 (receiving)	
39B-LD-100721	↓	↓	
40A-LD-100721	Security door black window glazing	interior bldg 9 (receiving)	
40B-LD-100721	↓	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

Please call Fuss & O'Neill at (617) 282-4675 if analyses will not be completed for requested turnaround time listed above.

Email Results to: _____@fando.com **Do Not Mail Hard Copy Report** **FAX Results to: 888-838-1160.**

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a [ ] turnaround time. Analyze a **MAXIMUM** of [ ] samples by **TEM in noted order.**

Samples Collected by: Lou Dias **Date:** 10/7/21

Samples Sent by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ Lab Drop Off ☐ Other _____

REC'D EMSL-BOSTON OCT 06 2021

OrderID: 132107714

FUSS & O'NEILL

132107714

EMSL Customer No. ENVI54

www.fando.com

108 Myrtle Street, Suite 502, Quincy, MA 02171

Phone (617) 282-4675

Asbestos Bulk Sample Chain-of-Custody Form

Sheet 9 of 10

Project Name: Worcester County Jail **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor reception bldg + tower **Project Manager:** D. Diedricksen

Site Address: 5 Tivnan Rd, W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
41A-LD-100721	Tan roof sealant (Hvac box)	bldg 9 Roof	7ea
41B ↓	↓	↓	
42A-LD-100721	Black lap seam sealant	bldg 9 Roof	throughout
42B- ↓	↓	↓	
43A-LD-100721	Gray roof sealant (Hvac)	bldg 9 Roof	7ea
43B ↓	↓	↓	
44A-LD-100721	Off-white gypsum roofing material	bldg 9 Roof	throughout
44B- ↓	↓	↓	
45A-LD-100721	Yellow carpet glue	interior of bldg 9 (visiting)	
45B ↓	↓	↓	
46A-LD100721	Yellow glue on exterior	exterior of bldg 9	
46B ↓	↓	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

Please call Fuss & O'Neill at (617) 282-4675 if analyses will not be completed for requested turnaround time listed above.

Email Results to: _____@fando.com **Do Not Mail Hard Copy Report** **FAX Results to: 888-838-1160.**

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a [/] turnaround time. Analyze a **MAXIMUM** of [/] samples by **TEM in noted order.**

Samples Collected by: Lou Dias **Date:** 10/7/21

Samples Sent by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ Lab Drop Off ☐ Other _____

REC'D EMSL-BOSTON OCT 08 2021

OrderID: 132107714

FUSS & O'NEILL

EMSL Customer No. ENVI54

132107714

www.fando.com

108 Myrtle Street, Suite 502, Quincy, MA 02171

Phone (617) 282-4675

Asbestos Bulk Sample Chain-of-Custody Form

Sheet 10 of 10

Project Name: Worcester County Jail **Project No.:** 20190696.H30 **Task:**

Building Name/Number: Visitor + reception bldg 9 + tower **Project Manager:** D. Diedrickson

Site Address: 5 Tunga Dr. W. Boylston, MA **Total # of Samples:** 111

Sample ID (#-Initials-Date)	Material Type (Size, Color, Description, Material)	Sample Location	Comments/ Quantities
#BA-LD-100721	White cementitious wall patch material	exterior of bldg 9	2SF
#BB ↓	↓	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time: 1 week

Please call Fuss & O'Neill at (617) 282-4675 if analyses will not be completed for requested turnaround time listed above.

Email Results to: _____@fando.com **Do Not Mail Hard Copy Report** **FAX Results to: 888-838-1160.**

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are **ALL** negative by PLM, analyze the sample denoted with a star (★) by **TEM NOB** on a [ ] turnaround time. Analyze a **MAXIMUM** of [ ] samples by **TEM in noted order.**

Samples Collected by: Lou Dias **Date:** 10/7/21

Samples Sent by: _____ **Date:** _____ **Time:** _____

Shipped To: ☒ EMSL ☐ Other _____

Method of Shipment: ☒ Fed Ex ☐ Lab Drop Off ☐ Other _____

REC'D EMSL BOSTON OCT 08 2021

Limited Hazardous Building Materials Inspection Report

Building 8 Envelope & ADA Upgrades Project
Worcester County Jail
West Boylston, Massachusetts

Civitects PC
Fall River, Massachusetts

May 2021

Fuss & O'Neill, Inc.
108 Myrtle Street, Suite 502
Quincy, MA 02171

Project No. 20190696.H20

FUSS & O'NEILL

May 5, 2021

Mr. Michael Keane, AIA
Principal
Civitects PC
66 Troy Street, 4th Floor
Fall River, MA

RE: Limited Hazardous Building Materials Inspection
Building 8 Envelope & ADA Upgrades Project
Worcester County Jail, West Boylston, MA
Fuss & O'Neill Project No. 20190696.H20

Dear Mr. Keane:

Enclosed is the limited hazardous building materials inspection summary report for the inspection conducted for the Envelope & ADA Upgrades Project to occur at Building 8 located at the Worcester County Jail complex in West Boylston, Massachusetts.

On April 29, 2021, a Fuss & O'Neill. Inc. state-certified Asbestos Inspector performed a limited asbestos inspection, a lead-based paint determination, and a fluorescent light ballast and mercury-containing equipment inventory prior to proposed renovation acitivities.

The information summarized in this report is solely for the abovementioned materials only. The work was performed in accordance with our written scope of services dated March 3, 2021.

If you should have any questions regarding the contents of the enclosed report, please do not hesitate to contact me at 617-282-4675, extension 4706. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Robert C. Mallett
Project Manager

RCM/rs

Enclosure

\\private\DFS\ProjectData\P2019\0696\H20\Deliverables\Report\DD_rcm_WCJ_Building 8_HazmatRpt_20210505.docx

108 Myrtle Street
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FUSS & O'NEILL

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Building 8 - Worcester County Jail
Civitects PC

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1 Introduction

On April 16, 2021, Fuss & O'Neill, Inc. (Fuss & O'Neill) representative, Mr. Paul Bateman, performed a limited hazardous building materials inspection prior to proposed envelope & ADA upgrades to occur at Building 8 located at the Worcester County Jail complex in West Boylston, Massachusetts (the "Site").

1.1 Scope of Work

The work was performed for Civitects PC (the "Client") in accordance with our written scope of services dated March 3, 2021. This report is subject to the limitations presented in *Appendix A*. The scope of work included the following:

- Limited Asbestos-Containing Materials (ACM) Inspection;
- Lead-Based Paint (LBP) Determination; and
- Fluorescent Light Ballast and Mercury-Containing Equipment Inventory.

This inspection was limited to visible and accessible areas at the Site building, only.

The roof was inaccessible at the time of this inspection, but will not be impacted by the proposed renovation scope.

Fuss & O'Neill did not conduct subsurface investigations to identify concealed suspect materials throughout the subject property.

We excluded collection and analysis of suspect materials for polychlorinated biphenyl (PCB)-containing source building materials during this inspection due to the reported construction age of the Site building (after 1980), which is after the EPA recommended cutoff date.

2 Limited Asbestos Inspection

A property owner or operator must ensure that a thorough asbestos inspection is performed prior to possible disturbance of suspect ACM during renovation or demolition activities. This is a requirement of the United States Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

On April 16, 2021, Mr. Bateman of Fuss & O'Neill conducted the limited inspection of visible and accessible areas. Mr. Bateman is a Commonwealth of Massachusetts Department of Labor Standards (MADLS)-certified Asbestos Inspector. Refer to *Appendix B* for copies of the Asbestos Inspector's state certification and EPA accreditation.

2.1 Methodology

The inspection was conducted by visually inspecting for suspect ACM and touching each of the suspect ACM. The suspect ACM were grouped into three EPA NESHAP categories: Friable; Category I Non-Friable, and Category II Non-Friable.

- Friable is defined as material that contains greater than one percent (> 1%) asbestos that, when dry, **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I Non-Friable refers to material that contains > 1% asbestos (i.e., packings, gaskets, resilient floor coverings, and asphalt roofing products) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- Category II Non-Friable refers to any non-friable material excluding Category I materials that contain > 1% asbestos that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM were also categorized into their applications including: Thermal System Insulation (TSI), Surfacing ACM, and Miscellaneous ACM. TSI includes those materials used to prevent heat loss/gain or water condensation on mechanical systems. Examples of TSI include, but are not limited to, pipe insulation, boiler insulation, duct insulation, mudded pipe fitting insulation, etc. Surfacing ACM includes those ACM that are sprayed-on, troweled-on, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous ACM include those not listed as TSI or Surfacing ACM, such as sheet flooring, floor tiles, ceiling tiles, caulking, mastics, construction adhesives, etc.

The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content, and separating suspect ACM into homogenous material types (similar in color, texture, and date of application). The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected for each homogeneous material, but the NESHAP regulation does recommend the use of sampling protocols included in EPA Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

The EPA AHERA regulation requires a specific number of samples be collected based on the material type and quantity present. This regulation includes the following protocol:

1. Surfacing Materials (e.g., plaster, spray-applied fireproofing, etc.) shall be collected in a randomly-distributed manner representing each homogenous area based on the overall quantity as follows:

    a. At least three (3) bulk samples collected from each homogenous area that is less than or equal to 1,000 square feet.
    b. At least five (5) bulk samples collected from each homogenous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
    c. At least seven (7) bulk samples collected from each homogenous area that is greater than 5,000 square feet.

2. Thermal System Insulation (e.g., pipe insulation, tank insulation, etc.) shall be collected in a randomly-distributed manner representing each homogenous area. At least three (3) bulk samples shall be collected of each homogenous material type. Also, at least one (1) bulk sample of any patching material applied to TSI, presuming the patched area is less than six linear or square feet, shall be collected.

3. Miscellaneous Materials (e.g., floor tile, mastic, cement board, caulking, glazing, etc.) should have at least two (2) bulk samples collected of each homogenous material type. Sample collection shall be conducted in a manner sufficient to determine the asbestos content of the homogenous material type as determined by the inspector.

Suspect ACM samples were collected, and proper chain-of-custody forms were prepared for transmission of collected samples to EMSL Analytical, Inc. (EMSL), for analysis. EMSL is a Commonwealth of Massachusetts-licensed and American Industrial Hygiene Association (AIHA)-accredited Asbestos Analytical Laboratory. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

2.2 Results

The EPA, the Occupational Safety and Health Administration (OSHA), and the MADLS define a material that contains > 1% asbestos (by PLM/DS analysis) as an ACM. The Massachusetts Department of Environmental Protection (MassDEP) further defines ACM as materials containing greater than or equal to (≥) 1% asbestos. MassDEP also defines an asbestos-containing waste material (ACWM) as:

- ACM removed during renovation or demolition activities;
- Materials contaminated by an ACM during renovation or demolition activities; or
- ACM on and/or in facility components that are inoperable or have been taken out of service.

The MassDEP further defines waste material containing any amount of asbestos as an ACWM, which must be managed and disposed of as such. Materials that are identified as "none detected" are specified as not containing asbestos.

Utilizing the EPA, OSHA, MADLS, and MassDEP protocols and criteria, all of the sampled materials were determined to be non-ACM.

Refer to **Table 1**, attached, for the complete list of non-ACM identified by sample identification, material type, sample location, and asbestos content as part of this inspection.

Refer to *Appendix C* for the asbestos laboratory analytical report and chain-of-custody form.

2.3 Conclusions & Recommendations

Based on visual observations, sample collection, and laboratory analysis, ACM were not identified at the Site.

If suspect materials are encountered during renovation activities that are not identified in this report as being non-ACM, they shall be assumed to be ACM until laboratory analysis indicates otherwise.

3 Lead-Based Paint Determination

Fuss & O'Neill performed a LBP determination associated with painted building components at the Site that may be disturbed during renovation activities. Fuss & O'Neill used an X-ray fluorescence (XRF) spectrum analyzer to perform the LBP screening. The screening was conducted in accordance with generally-accepted industry standards for non-residential (i.e., not child-occupied) buildings.

3.1 Methodology

A Radiation Monitoring Device Model LPA-1 (Serial Number 1157) was utilized for the LBP determination. The instrument was calibrated according to the manufacturer's Performance Characteristic Sheet (PCS) prior to each use.

For the purpose of this LBP determination, representative, coated building components were tested for LBP. Individual repainting efforts are not always discernable in such a limited program. LBP issues involving properties that are not residential are only regulated to a limited degree for worker protection relating to LBP-disturbing work activities and waste disposal.

Worker protection is regulated by OSHA regulations, as well as MADLS regulations. These regulations include air monitoring of workers to determine exposure levels when disturbing lead-containing paint. A LBP determination cannot determine a safe level of lead, but is intended to provide guidance for implementing industry standards for lead in paint at identified locations. Contractors may better determine worker exposure to airborne lead by understanding the different concentrations of LBP on representative components and surfaces. Air monitoring can then be performed during activities that disturb paint on representative surfaces.

The EPA Resource Conservation and Recovery Act (RCRA) and MassDEP regulate lead-containing waste disposal. If lead is determined to be present, representative composite samples of the anticipated waste stream must be collected and analyzed using the Toxicity Characteristic Leaching Procedure (TCLP). The results are compared to a threshold value of 5.0 milligrams per liter (mg/L). If TCLP sample analytical results exceed this value, the waste is characterized as hazardous lead waste. If the result is below the threshold value, the waste material is not considered hazardous and may be disposed of as construction and demolition debris.

A level of paint exceeding 1.0 milligram of lead per square centimeter (mg/cm^2) of surface area is considered toxic or dangerous by EPA and the Massachusetts Department of Public Health (MADPH) child-occupied residential standards. For the purpose of this screening, the level of 1.0 mg/cm^2 has been utilized as a guide to segregate coated building materials from general demolition debris for disposal purposes.

3.2 Lead-Based Paint Determination Results

The LBP determination indicated consistent painting trends associated with representative building components that may be impacted by potential renovation activities. None of the tested building components were determined to contain levels of lead $\geq$ 1.0 mg/cm^2.

Refer to *Appendix D* for the Lead Determination Report.

3.3 Discussion

OSHA published a Lead in Construction Standard (OSHA Lead Standard) Title 29 CFR, Part 1926.62 in May of 1993. This Standard sets no limit for the content of lead in paint below which the OSHA standards do not apply. The OSHA Lead Standards are task-based and are also based on airborne exposures and blood lead levels.

The results of this LBP determination are intended to provide guidance to contractors for occupational lead exposure controls. Building components coated with lead levels above industry standards may cause exposures to lead above OSHA standards during proposed demolition/renovation activities. The results of this determination are also intended to provide insight into waste disposal requirements, in accordance with EPA RCRA regulations. At the Client's request, a TCLP sample to characterize the expected waste that may result from possible selective demolition/renovation activities was not collected as part of this inspection.

3.4 Conclusions & Recommendations

Based on our LBP screening results, LBP was not identified on coated building components located at the Site.

Contractors must be made aware that OSHA has not established a level of lead in a material below which OSHA Title 29 CFR, Part 1926.62 does not apply. Contractors shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers during any renovation and/or demolition activities that will impact LBP.

The Site is presently characterized as a commercial property, which is not subject to the MADPH Childhood Lead Poisoning Prevention Program (CLPPP) Regulation 105 CMR 460.000. The Site may be renovated using procedures required in accordance with OSHA Title 29 CFR, Part 1926.62 and MADLS Regulation 454 CMR 22.11. In addition, the Site building is not considered a "child-occupied facility" and therefore, it is not subject to lead safe renovation requirements.

Note that the information contained in this report concerning the presence or absence of lead in paint, does not constitute a comprehensive lead inspection in accordance with MADPH CLPPP regulations. The screened painted surfaces represent only a portion of those surfaces that would be screened to determine whether the premises are in compliance with the aforementioned regulations, which are specific to a child-occupied residence only, and not applicable to buildings of this type and current use.

4 Fluorescent Light Ballasts & Mercury-Containing Equipment

4.1 Fluorescent Light Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No PCBs" must be assumed to contain PCBs unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexyl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent lighting ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under RCRA and the Superfund Law as a hazardous waste. Therefore, Superfund liability exists for landfilling both PCB- and DEHP-containing light ballasts. These listed materials are considered hazardous waste under RCRA and require special handling and disposal considerations.

4.2 Mercury-Containing Equipment

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a vial or bulb of liquid mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by EPA RCRA regulations.

4.3 Results

Fuss & O'Neill performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing ballasts at the Site. The inspection involved visually inspecting labels on representative light ballasts to identify manufacture dates and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB- or DEHP-containing ballasts and were not quantified for disposal. An in-place inventory of the fluorescent lamps/tubes and other mercury-containing equipment was completed concurrently.

During this inspection, 150 DEHP-containing fluorescent light ballasts and 300 four-foot, mercury-containing light tubes were identified at the Site.

4.4 Conclusions & Recommendations

Suspect DEHP-containing fluorescent light ballasts and mercury-containing equipment were identified at the Site during this inspection.

Fluorescent light ballasts marked as "No PCBs" with date labels indicating manufacture prior to 1991 are presumed to contain DEHP. DEHP-containing ballasts must be segregated for proper packaging, transporting, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing ballasts are slightly varied, and disposal costs are slightly less, when compared to PCB-containing light ballasts.

According to the EPA, mercury-containing equipment is characterized as a hazardous waste and mercury lamps/tubes are characterized as a Universal Waste. The mercury-containing equipment and fluorescent lamps/tubes identified in the proposed renovation areas must be recycled, reclaimed, or disposed of as hazardous waste or Universal Waste prior to disturbance.

This report is not intended to be utilized as a bidding or a project specification document. This report is designed to aid the Client with locating hazardous building materials.

Reviewed by:

Robert C. Mallett
Project Manager

Dustin A. Diedricksen
Associate/Department Manager

Tables

FUSS & O'NEILL

Table 1
Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary

Building 8 - Worcester County Jail
West Boylston, MA

Civitects PC
May 2021
Fuss & O'Neill Reference No. 20190696.H20

Sample Number	Material Type	NESHAP Category	Sample Location	Result
0416-PB-01A	Gray Exterior Door Caulking	Non-ACM	Exterior Doors	ND
0416-PB-01B	Gray Exterior Door Caulking	Non-ACM	Exterior Doors	ND
0416-PB-02A	White Sheetrock	Non-ACM	Entrance Vestibule	ND
0416-PB-02B	White Sheetrock	Non-ACM	Bathroom	ND
0416-PB-02C	White Sheetrock	Non-ACM	Laundry Room	ND
0416-PB-03A	White Joint Compound	Non-ACM	Entrance Vestibule	ND
0416-PB-03B	White Joint Compound	Non-ACM	Bathroom	ND
0416-PB-03C	White Joint Compound	Non-ACM	Laundry Room	ND
0416-PB-04A	4" Black Cove Base	Non-ACM	Hallways	ND
0416-PB-04B	4" Black Cove Base	Non-ACM	Hallways	ND
0416-PB-05A	Tan Mastic Associated with 4" Black Cove Base	Non-ACM	Hallways	ND
0416-PB-05B	Tan Mastic Associated with 4" Black Cove Base	Non-ACM	Hallways	ND
0416-PB-06A	Tan Glue behind Fiberglass Wall Panels	Non-ACM	Bathroom	ND
0416-PB-06B	Tan Glue behind Fiberglass Wall Panels	Non-ACM	Bathroom	ND
0416-PB-07A	Gray/Tan Interior Door Caulking	Non-ACM	Rear Exit Doors	ND
0416-PB-07B	Gray/Tan Interior Door Caulking	Non-ACM	Rear Exit Doors	ND
0416-PB-08A	Tan/Brown 4" Cove Base	Non-ACM	Classrooms A, B, & C	ND
0416-PB-08B	Tan/Brown 4" Cove Base	Non-ACM	Classrooms A, B, & C	ND
0416-PB-09A	Tan Glue Associated with Tan/Brown 4" Cove Base	Non-ACM	Classrooms A, B, & C	ND
0416-PB-09B	Tan Glue Associated with Tan/Brown 4" Cove Base	Non-ACM	Classrooms A, B, & C	ND
0416-PB-10A	Tan Interior Window Caulking	Non-ACM	Front Interior Windows	ND
0416-PB-10B	Tan Interior Window Caulking	Non-ACM	Front Interior Windows	ND
0416-PB-11A	Tan Wall-Base Caulking	Non-ACM	Laundry Room	ND
0416-PB-11B	Tan Wall-Base Caulking	Non-ACM	Laundry Room	ND
0416-PB-12A	Black Foam/Glue on HVAC	Non-ACM	Exterior HVAC Equipment	ND
0416-PB-12B	Black Foam/Glue on HVAC	Non-ACM	Exterior HVAC Equipment	ND
0416-PB-13A	12" x 12" Tan Mottled Floor Tile	Non-ACM	IT Department Offices	ND
0416-PB-13B	12" x 12" Tan Mottled Floor Tile	Non-ACM	IT Department Offices	ND
0416-PB-14A	Yellow Glue Associated with 12" x 12" Tan Mottled Floor Tile	Non-ACM	IT Department Offices	ND

FUSS & O'NEILL

Table 1
Suspect Asbestos-Containing Materials Laboratory Analytical Data Summary

Sample Number	Material Type	NESHAP Category	Sample Location	Result
0416-PB-14B	Yellow Glue Associated with 12" x 12" Tan Mottled Floor Tile	Non-ACM	IT Department Offices	ND
0416-PB-15A	6" Black Cove Base	Non-ACM	IT Department Offices	ND
0416-PB-15B	6" Black Cove Base	Non-ACM	IT Department Offices	ND
0416-PB-16A	Tan Glue Associated with 6" Black Cove Base	Non-ACM	IT Department Offices	ND
0416-PB-16B	Tan Glue Associated with 6" Black Cove Base	Non-ACM	IT Department Offices	ND
0416-PB-17A	Olive Duct Sealant	Non-ACM	2nd Floor Storage	ND
0416-PB-17B	Olive Duct Sealant	Non-ACM	2nd Floor Storage	ND
0416-PB-18A	Tan Caulking on Floor Seam/Joint	Non-ACM	1st Floor Stairwell	ND
0416-PB-18B	Tan Caulking on Floor Seam/Joint	Non-ACM	1st Floor Stairwell	ND
0416-PB-19A	Black Interior Window Glazing Compound	Non-ACM	Interior Sidelight Window	ND
0416-PB-19B	Black Interior Window Glazing Compound	Non-ACM	Interior Sidelight Window	ND
0416-PB-20A	Dark Gray Exterior Window Caulking	Non-ACM	Exterior Windows	ND
0416-PB-20B	Dark Gray Exterior Window Caulking	Non-ACM	Exterior Windows	ND
0416-PB-21A	Light Gray Exterior Wall-Seam Caulking	Non-ACM	Exterior Wall Panel Seams	ND
0416-PB-21B	Light Gray Exterior Wall-Seam Caulking	Non-ACM	Exterior Wall Panel Seams	ND

ND = None Detected
ACM = Asbestos-Containing Material

Appendix A

Limitations

FUSS & O'NEILL

APPENDIX A

Building 8, Worcester County Jail
West Boylston, Massachusetts

1. This environmental report has been prepared for the exclusive use of the Client, and is subject to, and is issued in connection with, the general terms and conditions of the original Agreement (March 3, 2021) and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill, shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
2. Fuss & O'Neill has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM that must be managed prior to renovation or demolition activities that may disturb these materials at the subject property(ies). Fuss & O'Neill has not performed an independent review of the reliability of this laboratory data.
3. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surfaces that were not included in the scope of work of this inspection. Fuss & O'Neill cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work. Only visible and accessible areas were included in the scope of work for this inspection.
4. The findings, observations, and conclusions presented in this report are limited by the scope of services outlined in our original Agreement, which reflects schedule and budgetary constraints imposed by the Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
5. The conclusions presented in this report are based solely upon information gathered by Fuss & O'Neill to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to Fuss & O'Neill's attention. Based upon an evaluation and assessment of relevant information, Fuss & O'Neill may modify the report and its conclusions.

Appendix B

Asbestos Inspector State Certification & EPA Accreditation

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Michael Flanagan
Director

Asbestos Inspector

PAUL ANTHONY BATEMAN

Eff. Date 01/19/21
Exp. Date 01/19/22
AI070789
Member of C.O.N.E.S.
BOSR BOS 9/1/21

22

CERT#: A-509-V691

CHEMSCOPE TRAINING DIVISION

ASBESTOS INSPECTOR REFRESHER
4-HOUR TRAINING CERTIFICATE

Paul Bateman

146 Hartford Road, Manchester CT

Has attended a 4-hour annual refresher course on the subject discipline on

9/1/2020 and has passed a written examination.

"The person receiving this certificate has completed the requisite training for asbestos accreditation as an inspector under TSCA Title II"

Course topics include a review and update on asbestos health hazards, functions of inspectors and management planners, building systems, planning, inspecting for asbestos, sampling and analysis, respiratory protection, government regulations and preparing the inspection report.

This training course has been accredited by the State of Connecticut.

Examination Score: 96%
Exam Date: 9/1/2020
Expiration Date: 9/1/2021

Daniel Sullivan
Training Manager

Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
Phone: 203.865.5605
www.chem-scope.com

Litho in U.S.A.

Appendix C

Asbestos Laboratory Analytical Report & Chain-of-Custody Form

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132102819
Customer ID: ENVI54
Customer PO: 20190696.H20
Project ID:

Attention: Robert Mallett
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Phone: (860) 646-2469
Fax:
Received Date: 04/19/2021 8:30 AM
Analysis Date: 04/24/2021
Collected Date: 04/16/2021

Project: 20190696.H20 - Worcester County Sheriff's Dept. Admin Building; 5 Paul Tivnan Drive; West Boylston, MA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
0416-PB-01A *132102819-0001*	Exterior Doors - Gray Exterior Door Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-01B *132102819-0002*	Exterior Doors - Gray Exterior Door Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-02A *132102819-0003*	Entrance Vestibule - Sheetrock	Tan/White Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
0416-PB-02B *132102819-0004*	Bathroom - Sheetrock	White Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
0416-PB-02C *132102819-0005*	Laundry Room - Sheetrock	Tan/Pink Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
0416-PB-03A *132102819-0006*	Entrance Vestibule - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-03B *132102819-0007*	Bathroom - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-03C *132102819-0008*	Laundry Room - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-04A *132102819-0009*	Hallways - 4" Black Base Cove	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-04B *132102819-0010*	Hallways - 4" Black Base Cove	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-05A *132102819-0011*	Hallways - Assoc. Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-05B *132102819-0012*	Hallways - Assoc. Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-06A *132102819-0013*	Bathroom - Tan Glue Behind Fiberglass Wall Panels	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-06B *132102819-0014*	Bathroom - Tan Glue Behind Fiberglass Wall Panels	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-07A *132102819-0015*	Rear Exit Doors - Gray/Tan Interior Door Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-07B *132102819-0016*	Rear Exit Doors - Gray/Tan Interior Door Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/24/2021 12:57:03

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EMSL Order:	132102819
Customer ID:	ENVI54
Customer PO:	20190696.H20
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
0416-PB-08A *132102819-0017*	Classrooms A, B, C - Tan 4" Brown Base Cove	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-08B *132102819-0018*	Classrooms A, B, C - Tan 4" Brown Base Cove	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-09A *132102819-0019*	Classrooms A, B, C - Assoc. Tan Glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-09B *132102819-0020*	Classrooms A, B, C - Assoc. Tan Glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-10A *132102819-0021*	Front Interior Windows - Tan Interior Window Caulking	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-10B *132102819-0022*	Front Interior Windows - Tan Interior Window Caulking	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-11A *132102819-0023*	Laundry Room - Tan Wall Base Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-11B *132102819-0024*	Laundry Room - Tan Wall Base Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-12A *132102819-0025*	Exterior HVAC Equipment - Black Foam/Glue on HVAC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-12B *132102819-0026*	Exterior HVAC Equipment - Black Foam/Glue on HVAC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-13A *132102819-0027*	IT Department Offices - Tan 12" Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-13B *132102819-0028*	IT Department Offices - Tan 12" Mottled Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-14A *132102819-0029*	IT Department Offices - Yellow Glue Assoc. w/ Tan 12" Floor Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-14B *132102819-0030*	IT Department Offices - Yellow Glue Assoc. w/ Tan 12" Floor Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-15A *132102819-0031*	IT Department Offices - 6" Black Base Coave	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-15B *132102819-0032*	IT Department Offices - 6" Black Base Coave	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-16A *132102819-0033*	IT Department Offices - Tan Glue w/ Black Base Cove	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-16B *132102819-0034*	IT Department Offices - Tan Glue w/ Black Base Cove	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 04/24/2021 12:57:03

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EMSL Order: 132102819
Customer ID: ENVI54
Customer PO: 20190696.H20
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
0416-PB-17A *132102819-0035*	2nd Floor Storage - Olive Duct Sealant	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-17B *132102819-0036*	2nd Floor Storage - Olive Duct Sealant	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-18A *132102819-0037*	1st Floor Stairwell - Tan Caulk on Floor Seam/Joint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-18B *132102819-0038*	1st Floor Stairwell - Tan Caulk on Floor Seam/Joint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-19A *132102819-0039*	Interior Sidelight Window - Interior Black Window Glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-19B *132102819-0040*	Interior Sidelight Window - Interior Black Window Glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-20A *132102819-0041*	Exterior Windows - Exterior Dark Gray Window Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-20B *132102819-0042*	Exterior Windows - Exterior Dark Gray Window Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-21A *132102819-0043*	Exterior Wall Panel Seams - Exterior Light Gray Wall Seam Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
0416-PB-21B *132102819-0044*	Exterior Wall Panel Seams - Exterior Light Gray Wall Seam Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Kevin Pine (44)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/24/2021 12:57:03

OrderID: 132102819

FUSS & O'NEILL

132102819

Fuss & O'Neill EMSL Customer No. ENVI54

www.fando.com

108 Myrtle Street, Suite 502, Quincy, MA 012171 Phone (617) 282-4675 Fax (617) 481-5885

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Sheet 1 of 4

Project Name: Civitents PC Project No. 20190696.H20

Site Address: 5 Paul Tivnan Dr, West Boylston MA Project Manager: Robb Mallett

Building Name/Number: Worcester County Sheriffs Dept Admin Bldg Total # of Samples:

Sample ID (01A-Initials-Date)	Material Type	Sample Location	Comments/ Quantities
4.16PB01A	Gray Exterior Door	Exterior Doors	9Ea 300LF
B	caulking	↓	↓
02A	Sheetrock	Entrance Vestibule	
B	↓	Bathroom	
C	↓	Laundry room	
03A	Joint Compound	↓ SAME AS 02A-C	
B	↓	↓	
C	↓	↓	
04A	4" Black base cove	Hallways	
B	↓	↓	
05A	Associated tan mastic	↓	
B	↓	↓	
06A	Tan glue behind fiberglass	Bathroom	
B	wall panels	↓	

Analysis Method: ☒ PLM ☐ AA TEM ☐ Other No TEM Turnaround Time One week

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested t/a/t at (617) 282-4675.

Email Results to: LabResults@fando.com and rmallett @fando.com
Do Not Mail Hard Copy Report

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are all negative by PLM, analyze only the "A" sample (as noted by star [★] above) by **TEM NOB, on a** None **t/a/t. Analyze a maximum of** 0 **samples by TEM.**

Samples Collected by: Paul Bateman 4/16/20 **Date:** 4/16/21

Samples Sent by: Paul Bateman/PaulB 4/16/20 **Date:** **Time:**

Shipped To: ☒ EMSL ☐ Other

Method of Shipment: ☐ Fed Ex ☐ Lab Drop Off ☐ Other

REC'D (44) 8:30 EMSL-BOSTON APR 19 2021

EMSL Fx 7959 6455 4580

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OrderID: 132102819

FUSS & O'NEILL 132102819 Fuss & O'Neill EMSL Customer No. ENVI54

www.fando.com

108 Myrtle Street, Suite 502, Quincy, MA 012171 Phone (617) 282-4675 Fax (617) 481-5885

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Sheet 2 of 4

Project Name: Civiletti PC Project No. 20190696.H20

Site Address: 5 Paul Tivnan Dr, West Boylston MA Project Manager: Robb Mallett

Building Name/Number: Worcester County Sheriff's Dept Admin Bldg Total # of Samples:

Sample ID (01A-Initials-Date)	Material Type	Sample Location	Comments/ Quantities
4-16-PB 07A	Gray/Tan interior	Rear exit Doors	300 LF
B	Door caulking	↓	↓
08A	Tan 4" Base Cove	Classrooms A, B, C	
B	Brown ↓	↓	
09A	Associated Tan glue	↓	
B	↓	↓	
10A	Tan interior window	Front interior windows	300 LF
B	caulking	↓	20 Ea
11A	Tan wall base	Laundry room	300 LF
B	caulking	↓	
12A	Black foam/glue	Exterior HVAC Equipment	
B	on HVAC	↓	
13A	Tan 12" Mottled	IT Department office	
B	floor tile	↓	

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time Day Work

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested t/a/t at (617) 282-4675.

Email Results to: LabResults@fando.com **and** rmallett @fando.com
Do Not Mail Hard Copy Report

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are all negative by PLM, analyze only the "A" sample (as noted by star [★] above) by **TEM NOB, on a** No **t/a/t. Analyze a maximum of** 0 **samples by TEM.**

Samples Collected by: Paul Bateman / 4/16/20 **Date:** 4/16/21

Samples Sent by: Paul Bateman / Paul Bateman **Date:** 4/16/20 **Time:**

Shipped To: ☒ EMSL ☐ Other _____

REC'D @ 8:30 EMSL-BOSTON APR 19 2021

Method of Shipment: ☐ Fed Ex ☐ Lab Drop Off ☐ Other _____

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OrderID: 132102819

FUSS & O'NEILL

132102819

Fuss & O'Neill EMSL Customer No. ENVI54

www.fando.com

108 Myrtle Street, Suite 502, Quincy, MA 012171 Phone (617) 282-4675 Fax (617) 481-5885

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Sheet 3 of 4

Project Name: Civitech PC Project No. 20190696.H20

Site Address: 5 Paul Tivnan Dr, West Boylston MA Project Manager: Robb Mallett

Building Name/Number: Worcester County Sheriff's Dept Admin Bldg Total # of Samples:

Sample ID (01A-Initials-Date)	Material Type	Sample Location	Comments/ Quantities
4.16 PB 14A	Yellow glue associated	IT Department	
B	with Tan 12" floor tile	office	
15A	6" Black base cove		
B	↓		
16A	Tan glue with black	↓	
B	base cove		
17A	Olive Duct Sealant	2nd Floor storage	300 LF
B	↓	↓	
18A	Tan caulk on floor	1st FL Staircell	100 LF
B	Seam/Joint	↓	
19A	Interior black window	Interior Sidelight	20 LF
B	glazing	window	
20A	Exterior Dark gray	Exterior windows	20 Ea =
B	Window Caulking	↓	300 LF

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time One week

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested t/a/t at (617) 282-4675.

Email Results to: LabResults@fando.com **and** rmallet **@fando.com**
Do Not Mail Hard Copy Report

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not point count. If NOB group samples are all negative by PLM, analyze only the "A" sample (as noted by star [★] above) by **TEM NOB, on a** [ ] **t/a/t. Analyze a maximum of** [ ] **samples by TEM.**

Samples Collected by: Paul Bateman / 4/16/20 **Date:** 4/16/21

Samples Sent by: Paul Bateman / Paul Bateman **Date:** 4/16/20 **Time:**

Shipped To: ☒ EMSL ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ Lab Drop Off ☐ Other _____

REC'D (SS) 8:30 EMSL-BOSTON APR 19 2021

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OrderID: 132102819

FUSS & O'NEILL

132102819

Fuss & O'Neill EMSL Customer No. ENVI54

www.fando.com

108 Myrtle Street, Suite 502, Quincy, MA 012171 Phone (617) 282-4675 Fax (617) 481-5885

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

Sheet 4 of 4

Project Name: Civitects PC Project No. 20190696.H2U

Site Address: 5 Paul Tivnan Dr, West Boylston MA Project Manager: Robb Mullett

Building Name/Number: Worcester County Sheriff's Dept Admin Bldg Total # of Samples: _____

Sample ID (01A-Initials-Date)	Material Type	Sample Location	Comments/ Quantities
4-16 PB 21A	Exterior light gray	Exterior wall	3,000 LF
B	Wall seam Caulking	panel seams	↓
~~2A~~			
~~B~~			

Analysis Method: ☒ PLM ☐ TEM ☐ Other _____ Turnaround Time One week

Based on the turnaround time indicated above, analyses are due to EnviroScience on or before this date: _____. Please call EnviroScience if analyses will not be completed for requested t/a/t at (617) 282-4675.

Email Results to: LabResults@fando.com **and** rmallet **@fando.com**
Do Not Mail Hard Copy Report

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do not ~~point count~~. If NOB group samples are all ~~negative~~ by PLM, analyze only the "A" sample (as noted by star [★] above) by **TEM NOB, on a** [ ] **t/a/t. Analyze a maximum of** [ ] **samples by TEM.**

Samples Collected by: Paul Bateman / 4/16/20 **Date:** 4/16/21

Samples Sent by: Paul Bateman / Port Jet **Date:** 4/16/20 **Time:** _____

Shipped To: ☒ EMSL ☐ Other _____

Method of Shipment: ☐ Fed Ex ☐ Lab Drop Off ☐ Other _____

REC'D 8:30 EMSL BOSTON APR 19 2021

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Appendix D

Lead Determination Report

FUSS & O'NEILL
108 Myrtle Street, Suite 502, Quincy, MA 02171
t 617.282.4675; 800.286.2469; f 617.481.5885
www.fando.com

Lead Inspection / Risk Assessment

St.# 5 Street Name Paul J. Tivnan Street Type DR Unit
City West Boylston, MA Zip Code 01583

Owner Name: Worcester County Jail - Commonwealth of MA
Owner Address:
Contact Information: Scott Cymbala Civitects PC
Client Name (if different from owner):
Client Address: 66 Troy ST 4th FL Fall River MA

Number of Rooms in Unit:
Property Type:
- ☐ Single Family
- ☐ Multi Family # of Units:
- ☐ Condominium # of Units:
- ☐ Day Care ☐ Other: Common

Laundry in Basement? ☐ Yes ☑ No
Finished Space in Basement? ☐ Yes ☑ No

Possible Pb Water Service Line
☐ Yes ☐ No ☑ Not Tested
Testing Method Used
Na_2S Expiration Date: / /
X-Ray Fluorescence
Model: RMD Serial # 1157

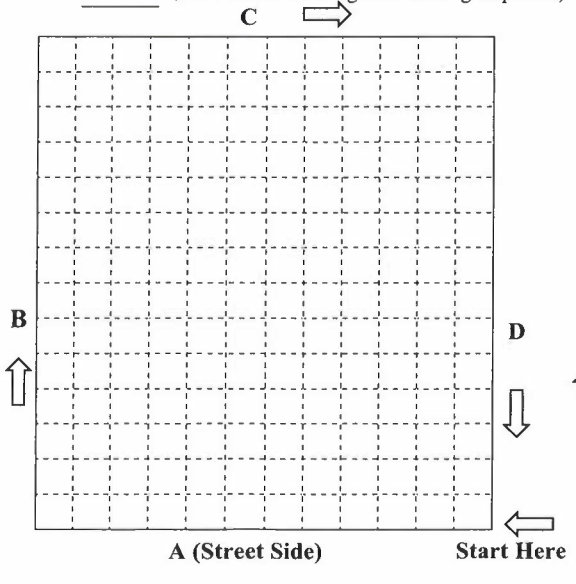
☐ Demarcation Lines
☐ Submitted for Compliance Evaluation

Key	Lead Column
COV	Covered
DC	Drop Ceiling
MET	Metal
MR	Metal Rep. Window
NA	Not Accessible
NC	No Coating
Tile	Tile (testing suggested)
VB	Vinyl Baseboard
VR	Vinyl Rep. Window

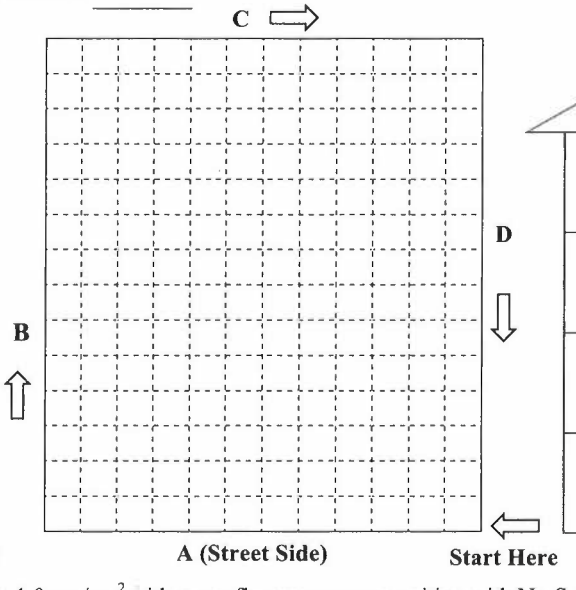
Key	Delead/IC Method Column	Key	Delead/IC Method Column
COV	Covered	REM	Removed
DIP	Dipped	REP	Replaced
ENC	Encapsulated	SCR	Scraped
INT	Intact	SFR	Storm Frame Removed
MI	Made Intact	SLD	Sealed
PRE	Prepared for Enc.	STP	Stripped
⊘	Component Does Not Exist	VR/MR	Vinyl/Metal Rep Window

Comments / Notes:

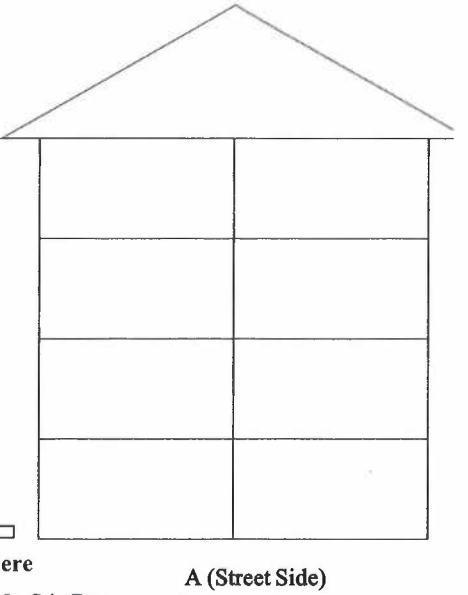
Floor# _____ (level within building of unit being inspected)



Floor# _____



Property Diagram / Unit Labels



Pb (lead) equal to or greater than 1.0 mg/cm² with x-ray fluorescence or positive with Na_2S is **Dangerous.**

XRF Calibration Recorded in Log Book ☑ ✓ - Check off when complete
Address Verified through USPS ☑ ✓ - Check off when complete
Research on Lead Related History for Address ☑ ✓ - Check off when complete
www.state.ma.us/dph/clppp or 800-532-9571

Inspector's Name (print)	License #	Signature	Date
Paul Bateman	3571	Paul Bateman	4/16/21

Address: 5 Paul Tivnan Dr Apt# _____ City West Boylston

INSPECTION HISTORY

Determination		Inspector Name / Lic# / Signature
04/16/21	Y / (N)	Paul Bukman, Lic# 3571 — Signature Paul By
Lead Hazards?		

Comprehensive Initial Inspection / Lead Hazards?	Y / N	Inspector Name: _____, Lic# _____ Signature _____
Comp Initial w/Partial PCAD / Lead Hazards?	Y / N	Inspector Name: _____, Lic# _____ Signature _____
Addendum (add-on to Initial Inspection) / Lead Hazards?	Y / N	Inspector Name: _____, Lic# _____ Signature _____
Addendum as Full Inspection / Lead Hazards?	Y / N	Inspector Name: _____, Lic# _____ Signature _____
Walk Through for Ed/Consultation		Inspector Name: _____, Lic# _____ Signature _____

REINSPECTION HISTORY

Visual Portion of Reocc. Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Visual Portion of Reocc. Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Dust Taken for Reocc. Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Dust Taken for Reocc. Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Visual Portion of Final Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Visual Portion of Final Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Dust Taken for Final Reinsp. (No Reocc)	P / F	Inspector Name: _____, Lic# _____ Signature _____
Dust Taken for Final Reinsp. (No Reocc)	P / F	Inspector Name: _____, Lic# _____ Signature _____

INTERIM CONTROL

Visual Risk Assessment / Urgent Pb. Hazards?	Y / N	R.A. Name: _____, Lic# _____ Signature _____
Dust Taken for Risk Assessment / Urgent Pb. Hazards?	Y / N	R.A. Name: _____, Lic# _____ Signature _____
Visual Portion of Reinspection for Interim Control	P / F	R.A. Name: _____, Lic# _____ Signature _____
Dust Taken for Risk Assessment Reinsp.	P / F	R.A. Name: _____, Lic# _____ Signature _____
Visual Portion of Reinspection for Interim Control	P / F	R.A. Name: _____, Lic# _____ Signature _____
Dust Taken for Risk Assessment Reinsp.	P / F	R.A. Name: _____, Lic# _____ Signature _____
Risk Assessment Recertification / Urgent Pb. Hazards?	Y / N	R.A. Name: _____, Lic# _____ Signature _____
Dust Taken for RA Recertification	P / F	R.A. Name: _____, Lic# _____ Signature _____

POST COMPLIANCE ASSESSMENT DETERMINATIONS

PCAD / Lead Hazards?	Y / N	Inspector Name: _____, Lic# _____ Signature _____
Full Inspection Acting as PCAD / Lead Hazards?	Y / N	Inspector Name: _____, Lic# _____ Signature _____
Visual Portion of PCAD Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Dust Taken for PCAD Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____
Dust Taken for PCAD Reinspection	P / F	Inspector Name: _____, Lic# _____ Signature _____

REOCCUPANCY CERTIFICATE HISTORY

Certificate of Reoccupancy Only after High/Mod Risk (# rooms rule)	Inspector Name:_____, Lic#_____ Signature_____
Certificate of Reoccupancy Only after High/Mod Risk (# rooms rule)	Inspector Name:_____, Lic#_____ Signature_____
Certificate of Reoccupancy Only after High/Mod Risk (# rooms rule)	Inspector Name:_____, Lic#_____ Signature_____

COMPLIANCE HISTORY

Letter of Full Initial Compliance No prior history/ No signs of UD	Inspector Name:_____, Lic#_____ Signature_____
Letter of Interim Control No prior Comp. Expires in 1 yr.	Inspector Name:_____, Lic#_____ Signature_____
Recertification of Interim Control Expires 2 yrs from original Interim Control	Inspector Name:_____, Lic#_____ Signature_____
Letter of Full Deleading Compliance Dust wipes if No Reocc.	Inspector Name:_____, Lic#_____ Signature_____
Certificate of Maintained Compliance No Work = No Dust Work = 7 Dust	Inspector Name:_____, Lic#_____ Signature_____
Certificate of Restored Compliance Dust wipes and auth. people	Inspector Name:_____, Lic#_____ Signature_____

COMPLIANCE HISTORY (CONT.)

Certificate of Maintained Compliance No Work= No Dust Work = 7 Dust	Inspector Name:_____, Lic#_____ Signature_____
Certificate of Restored Compliance Dust wipes and auth. people	Inspector Name:_____, Lic#_____ Signature_____
Certificate of Maintained Compliance No Work = No Dust Work = 7 Dust	Inspector Name:_____, Lic#_____ Signature_____
Certificate of Restored Compliance Dust wipes and auth. people	Inspector Name:_____, Lic#_____ Signature_____

OTHER HISTORY: WAIVERS/UD

Approved CLPPP Waiver Attach to Comp Docs		Inspector Name:_____, Lic#_____ Signature_____
Approved CLPPP Waiver Attach to Comp Docs		Inspector Name:_____, Lic#_____ Signature_____
UD / DES Visual Reinspection No LOC Issued	P F	Inspector Name:_____, Lic#_____ Signature_____
UD / DES Dust Taken No LOC Issued	P F	Inspector Name:_____, Lic#_____ Signature_____
UD / DES Dust Taken No LOC Issued	P F	Inspector Name:_____, Lic#_____ Signature_____
UD / DES Final Reinspection No LOC Issued	P F	Inspector Name:_____, Lic#_____ Signature_____

EXPLANATION OF LEAD INSPECTION / RISK ASSESSMENT REPORT FORM COLUMNS

This page provides general information needed to understand the lead inspection/risk assessment report. However, you should speak with the inspector/risk assessor before you start to do any work on your home.

SIDE Refers to A, B, C, or D side of the building or room. See the diagram on the cover sheet. The "A" side of the building or room is the side facing the street that gives the property its address (usually, it is the front of the building). Keeping your back to this street, from the "A" side move clockwise to the "B" side on your left, the "C" side opposite you, and the "D" side to the right. Numbering is from left to right.

LOCATION/ SURFACE Refers to the building component(s) being tested. Some surfaces may be made up of more than one part. For example, "Baseboard" may refer to four separate pieces of wood (one on each wall), but is still considered one surface.

LEAD The actual lead result. Each surface tested must have a result recorded in the "Lead" column.

- A number shows that the surface was tested with an XRF analyzer. A number equal to or greater than 1.0 mg/cm^2 is a dangerous level of lead.
- A "pos" or "neg" shows that the surface was tested with sodium sulfide. "Pos" means that there is a dangerous level of lead.
- "N/A" means that the inspector was not able to test the surface. The inspector must assume the surface contains lead and require it to be deleaded. Speak to the inspector about possible alternative testing options.
- "MET" or "MR" means that a metal surface was not tested. Metal handrails, metal window sills, and metal railing caps need to be deleaded if they test equal to or greater than 1.0 mg/cm^2, or are marked "MET" or "N/A". All other metal surfaces must be intact.
- For key to abbreviations like "COV", "VB", "VR" or "MR", "NC", "Tile", "DC", see the cover page.

TYPE OF HAZARD Not all lead paint must be deleaded. This column tells you IF and WHY a surface needs deleading. The deleading standards below may not apply for Interim Controls. Speak to your risk assessor for more information.

- "M/I" circled means that the surface is a moveable/impacted part of a window and must be deleaded in its entirety.
- "SF" circled indicates that there is a storm frame present which requires the blind stop and exterior sill be deleaded as interior moveable / impacted surfaces.
- "A/M" circled means that the surface is "accessible mouthable" and must be deleaded to a minimum of five feet high, four inches in from the edge or corner.
- "F" circled means that the surface is a "friction" surface and must be deleaded at all points of potential friction.
- "L" circled means that the surface is loose and must, at a minimum, be made intact. Loose leaded floors must be sealed with paint or similar coating and pass a dust wipe.
- If more than one choice is circled, the rules for deleading may change depending upon what method of deleading you choose. Speak to the inspector for more information.
- "N/A" means the inspector was unable to determine if the surface was a lead hazard. The person doing the deleading must check this surface and follow all the rules for deleading. Speak to the inspector for more information.
- If nothing is circled in the column, then it is likely the surface does not need deleading. Speak to the inspector for more information. Remember, this does not mean the entire surface is lead free, it just does not require deleading in its current condition.

URG HAZ? This column is completed during a risk assessment, which is an evaluation of a home's suitability for Interim Control. **Only a licensed risk assessor can do a risk assessment.** If "Y" is circled, then this surface is considered an "Urgent Lead Hazard" and deleading is required to qualify for Interim Control.

IC DATE The date the licensed risk assessor determines the surface meets the standards for Interim Control.

IC METH The deleading method or structural repair done to qualify the surface for Interim Control. Refer to the deleading codes key on the cover page.

DELEAD DATE The date that the lead inspector reinspects the surface and finds that it is in compliance.

DELEAD METH The method used to bring a surface into full compliance. Refer to codes in the Key on the report's cover page.

EXCLUDED SURFACES The amount of loose paint on a surface as measured by the lead inspector. "N/A" means that the inspector was not able to measure the loose paint, but has determined it is more than the cut-off for moderate risk making intact.

RULED OUT BOX Encapsulants only work well if the paint is in good condition. If the inspector sees that there are adhesion problems with eligible surfaces in a room, he/she will rule out encapsulation as a deleading method.

Paul Bateman 3571 Paul Bateman 04/16/21 Page 5 Of 8

Inspector (print) Lic # Signature Date

Risk Assessor (print) Lic # Signature Date 1/1 Work.

Address of Property: 5 Paul Tivnan Dr Apt. # City: Boylston

HALLWAY: Interior # ___ or Common Hallway: Front Rear Floor #___

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
A B C D	Up Walls	0.2	L N/A	Y				
A B C D	Low Walls	0.0	L N/A	Y				
A B C D	Baseboards	N.C	L N/A	Y				
A B C D	Chair Rail	.	L N/A	Y				
A B C D	Radiator	.	L N/A	Y				
	Floor	N.C	L ☐ (dust) N/A	Y				
	Ceiling	0.1	L N/A	Y				
A B	Door	0.2	L N/A	Y				
C D	Door Edge	0.3	F L N/A	Y				
1 2	Door Casing	0.2	L N/A	Y				
3 4	Door Jamb	0.1	F L N/A	Y				
	Threshold	N.C	L N/A	Y				
A B	Door	0.2	L N/A	Y				
C D	Door Edge	0.1	F L N/A	Y				
1 2	Door Casing	0.3	L N/A	Y				
3 4	Door Jamb	0.0	F L N/A	Y				
	Threshold	.	L N/A	Y				
A B	Door	0.2	L N/A	Y				
C D	Door Edge	0.1	F L N/A	Y				
1 2	Door Casing	0.3	L N/A	Y				
3 4	Door Jamb	0.2	F L N/A	Y				
	Threshold	.	L N/A	Y				
A B	Door	.	L N/A	Y				
C D	Door Edge	.	F L N/A	Y				
1 2	Door Casing	.	L N/A	Y				
3 4	Door Jamb	.	F L N/A	Y				
	Closet Door	.	L N/A	Y				
A	Cl Door Edge	.	F L N/A	Y				
B	Cl Casing	.	L N/A	Y				
C	Closet Jamb	.	F L N/A	Y				
D	Closet Walls	.	L N/A	Y				
	Cl Baseboard	.	L N/A	Y				
1	Closet Pole	.	L N/A	Y				
2	Closet Shelf	.	L N/A	Y				
3	Cl Supports	.	L N/A	Y				
4	Closet Floor	.	L ☐ (dust) N/A	Y				
	Closet Ceiling	.	L N/A	Y				

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
	Closet Door	.	L N/A	Y				
A	Cl Door Edge	.	F L N/A	Y				
B	Cl Casing	.	L N/A	Y				
C	Closet Jamb	.	F L N/A	Y				
D	Closet Walls	.	L N/A	Y				
	Cl Baseboard	.	L N/A	Y				
1	Closet Pole	.	L N/A	Y				
2	Closet Shelf	.	L N/A	Y				
3	Cl Supports	.	L N/A	Y				
4	Closet Floor	.	L ☐ (dust) N/A	Y				
	Closet Ceiling	.	L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A B C D	Win Above 5'	.	L N/A	Y				
	Ceiling Molding	.	L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				

EXCLUDED SURFACES: Surfaces listed in these boxes can only be made intact by a Deleader (MORE THAN 288 SQ. IN.)

SIDE	LOCATION	MEASURE: LOOSE PAINT	IC DATE	IC METHOD

COMMENTS / STRUCTURAL DEFECTS:

☐ Check the box if this ROOM is RULED OUT for encapsulation because there are 3 or more A/M surfaces with adhesion problems

Paul Bukmor 3571 [signature] 4/15/21 Page 6 Of 8

Inspector (print) Lic # Signature Date

Risk Assessor (print) Lic # Signature Date

Address of Property: 5 Paul Tivnan Dr. Apt. # City: Beverly

ROOM # 1ST FL Elevator Lobby

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
A B C D	Up Walls	0.2	L N/A	Y				
A B C D	Low Walls	0.0	L N/A	Y				
A B C D	Baseboards	N.C	L N/A	Y				
A B C D	Chair Rail	.	L N/A	Y				
A B C D	Radiator		L N/A	Y				
	Floor	N.C	L ☐ (dust) N/A	Y				
	Ceiling	0.2	L N/A	Y				
A B	Door	0.2	L N/A	Y				
C D	Door Edge	0.1	F L N/A	Y				
1 2	Door Casing	0.3	L N/A	Y				
3 4	Door Jamb	0.2	F L N/A	Y				
	Threshold	N.C	L N/A	Y				
A B	Door	0.2	L N/A	Y				
C D	Door Edge	.	F L N/A	Y				
1 2	Door Casing	0.1	L N/A	Y				
3 4	Door Jamb	0.2	F L N/A	Y				
	Threshold		L N/A	Y				
A B	Door	0.2	L N/A	Y				
C D	Door Edge	0.2	F L N/A	Y				
1 2	Door Casing	0.2	L N/A	Y				
3 4	Door Jamb	0.3	F L N/A	Y				
	Threshold		L N/A	Y				
	Closet Door	.	L N/A	Y				
A	Cl Door Edge	.	F L N/A	Y				
B	Cl Casing	.	L N/A	Y				
C	Closet Jamb	.	F L N/A	Y				
D	Closet Walls	.	L N/A	Y				
	Cl Baseboard	.	L N/A	Y				
1	Closet Pole	.	L N/A	Y				
2	Closet Shelf	.	L N/A	Y				
3	Cl Supports	.	L N/A	Y				
4	Closet Floor	.	L ☐ (dust) N/A	Y				
	Closet Ceiling		L N/A	Y				

COMMENTS / STRUCTURAL DEFECTS:

EXCLUDED SURFACES: Surfaces listed in these boxes can only be made intact by a Deleader (MORE THAN 288 SQ. IN.)

SIDE	LOCATION	MEASURE: LOOSE PAINT	IC DATE	IC METHOD

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
A	Window Sill	0.2	M/I A/M L N/A	Y				
B	Win Apron		L N/A	Y				
C	Win Casing	0.2	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	0.2	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A B	Fireplace	.	L N/A	Y				
C D	Mantle	.	L N/A	Y				
A B C D	Win Above 5'	.	L N/A	Y				
	Ceiling Molding	.	L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				

☐ Check the box if this ROOM is RULED OUT for encapsulation because there are 3 or more A/M surfaces with adhesion problems

Paul Bateman 3571 [signature] 4/16/21

Inspector (print) Lic # Signature Date

Risk Assessor (print) Lic # Signature Date

Address of Property: 5 Paul Turner Dr Apt. # City: West Boylston

ROOM # Corner Bd

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
(A) B C D	Up Walls	0.2	L N/A	Y				
A (B) C D	Low Walls	0.1	L N/A	Y				
A B C D	Baseboards	N/A	L N/A	Y				
A B C D	Chair Rail	.	L N/A	Y				
A B C D	Radiator	.	L N/A	Y				
	Floor	(W)	L ☐ (dust) N/A	Y				
	Ceiling	0.2	L N/A	Y				
A (B)	Door	0.2	L N/A	Y				
C D	Door Edge	0.1	F L N/A	Y				
1 2	Door Casing	0.2	L N/A	Y				
3 4	Door Jamb	0.2	F L N/A	Y				
	Threshold	.	L N/A	Y				
A B	Door	0.2	L N/A	Y				
C (D)	Door Edge	0.2	F L N/A	Y				
1 2	Door Casing	0.0	L N/A	Y				
3 4	Door Jamb	0.2	F L N/A	Y				
	Threshold	.	L N/A	Y				
A B	Door	.	L N/A	Y				
C D	Door Edge	.	F L N/A	Y				
1 2	Door Casing	.	L N/A	Y				
3 4	Door Jamb	.	F L N/A	Y				
	Threshold	.	L N/A	Y				
	Closet Door	.	L N/A	Y				
A	Cl Door Edge	.	F L N/A	Y				
B	Cl Casing	.	L N/A	Y				
C	Closet Jamb	.	F L N/A	Y				
D	Closet Walls	.	L N/A	Y				
	Cl Baseboard	.	L N/A	Y				
1	Closet Pole	.	L N/A	Y				
2	Closet Shelf	.	L N/A	Y				
3	Cl Supports	.	L N/A	Y				
4	Closet Floor	.	L ☐ (dust) N/A	Y				
	Closet Ceiling	.	L N/A	Y				

COMMENTS / STRUCTURAL DEFECTS:

EXCLUDED SURFACES: Surfaces listed in these boxes can only be made intact by a Deleader (MORE THAN 288 SQ. IN.)

SIDE	LOCATION	MEASURE: LOOSE PAINT	IC DATE	IC METHOD

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
A	Window Sill	0.2	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
(C)	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	0.3	M/I L N/A	Y				
2	Exterior Sill	0.2	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	0.2	M/I L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A B	Fireplace	.	L N/A	Y				
C D	Mantle	.	L N/A	Y				
A B C D	Win Above 5'	.	L N/A	Y				
	Ceiling Molding	.	L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				

☐ Check the box if this ROOM is RULED OUT for encapsulation because there are 3 or more A/M surfaces with adhesion problems

Inspector (print): Paul Bateman Lic #: 3571 Signature: [signature] Date: 4/16/24

Risk Assessor (print): ___ Lic #: ___ Signature: ___ Date: ___

Address of Property: 5 Paul Tivnan Dr Apt. #: ___ City: West Boylston

ROOM #: 2nd Fl. Hall

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
(A) B (C) D	Up Walls	0.2	L N/A	Y				
A B (C) D	Low Walls	0.2	L N/A	Y				
A B C D	Baseboards	.	L N/A	Y				
A B C D	Chair Rail	.	L N/A	Y				
A B C D	Radiator	.	L N/A	Y				
	Floor	N.L	L ☐ (dust) N/A	Y				
	Ceiling	N.L	L N/A	Y				
(A) B	Door	0.2	L N/A	Y				
C D	Door Edge	.	F L N/A	Y				
1 2	Door Casing	0.1	L N/A	Y				
3 4	Door Jamb	0.2	F L N/A	Y				
	Threshold	.	L N/A	Y				
A B	Door	0.2	L N/A	Y				
C (D)	Door Edge	.	F L N/A	Y				
1 2	Door Casing	0.3	L N/A	Y				
3 4	Door Jamb	0.2	F L N/A	Y				
	Threshold	.	L N/A	Y				
A B	Door	.	L N/A	Y				
C D	Door Edge	.	F L N/A	Y				
1 2	Door Casing	.	L N/A	Y				
3 4	Door Jamb	.	F L N/A	Y				
	Threshold	.	L N/A	Y				
	Closet Door	.	L N/A	Y				
A	Cl Door Edge	.	F L N/A	Y				
B	Cl Casing	.	L N/A	Y				
C	Closet Jamb	.	F L N/A	Y				
D	Closet Walls	.	L N/A	Y				
	Cl Baseboard	.	L N/A	Y				
1	Closet Pole	.	L N/A	Y				
2	Closet Shelf	.	L N/A	Y				
3	Cl Supports	.	L N/A	Y				
4	Closet Floor	.	L ☐ (dust) N/A	Y				
	Closet Ceiling	.	L N/A	Y				

SIDE	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A	Window Sill	.	M/I A/M L N/A	Y				
B	Win Apron	.	L N/A	Y				
C	Win Casing	.	L N/A	Y				
D	Header Stop	.	M/I L N/A	Y				
	Int Stops	.	M/I L N/A	Y				
1	Win Int Sash	.	M/I L N/A	Y				
2	Exterior Sill	.	M/I SF L N/A	Y				
3	Part Bead	.	M/I L N/A	Y				
4	Blind Stop	.	M/I SF L N/A	Y				
	Win Ext Sash	.	M/I L N/A	Y				
A B	Fireplace	.	L N/A	Y				
C D	Mantle	.	L N/A	Y				
A B C D	Win Above 5'	.	L N/A	Y				
	Ceiling Molding	.	L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				
		.	F M/I A/M L N/A	Y				

COMMENTS / STRUCTURAL DEFECTS:

EXCLUDED SURFACES: Surfaces listed in these boxes can only be made intact by a Deleader (MORE THAN 288 SQ. IN.)

SIDE	LOCATION	MEASURE: LOOSE PAINT	IC DATE	IC METHOD

☐ Check the box if this ROOM is RULED OUT for encapsulation because there are 3 or more A/M surfaces with adhesion problems

Paul Bateman 3571 Paul Bateman 4/16/21 Page ___ Of ___

Inspector (print) Lic # Signature Date

Risk Assessor (print) Lic# Signature Date 1/1/no

Address of Property: 5 Paul Jivison Dr Apt. # City: Boylston

EXTERIOR A Side

SIDE A	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
A	Siding	02	L N/A	Y				
	Corner Boards	.	L N/A	Y				
	Lower Trim		L N/A	Y				
	Upper Trim	N.A	L N/A	Y				
	Win Above 5'	.	L N/A	Y				
	Porch Above 5'	.	L N/A	Y				
A 1 2 3 4	Storm Door	.	L N/A	Y				
	Strm Door Edge		F L N/A	Y				
	Door	02	L N/A	Y				
	Door Edge	02	F L N/A	Y				
	Door Casing	02	L N/A	Y				
	Door Jamb	03	F L N/A	Y				
	Threshold	N.C	L N/A	Y				
	Kickplate	.	L N/A	Y				
A 1 2 3 4	Storm Door	.	L N/A	Y				
	Strm Door Edge	.	F L N/A	Y				
	Door	01	L N/A	Y				
	Door Edge	02	F L N/A	Y				
	Door Casing	03	L N/A	Y				
	Door Jamb	01	F L N/A	Y				
	Threshold	N.C	L N/A	Y				
	Kickplate		L N/A	Y				
A 1 2 3 4	Door	.	L N/A	Y				
	Door Edge	.	F L N/A	Y				
	Door Casing	.	L N/A	Y				
	Door Jamb	.	F L N/A	Y				
	Threshold	.	L N/A	Y				
	Kickplate	.	L N/A	Y				
A # 1	Window Sill	02	A/M L N/A	Y				
	Win Casing	02	L N/A	Y				
	Window Sash	02	L N/A	Y				
A #	Window Sill	.	A/M L N/A	Y				
	Win Casing	.	L N/A	Y				
	Window Sash	.	L N/A	Y				

SIDE A	LOCATION/ SURFACE	LEAD	TYPE OF HAZARD	URG HAZ?	IC DATE	IC METH	DELEAD DATE	DELEAD METH
A #	Window Sill	.	A/M L N/A	Y				
	Win Casing	.	L N/A	Y				
	Window Sash	.	L N/A	Y				
A #	Cellar Win Sill		A/M L N/A	Y				
	Cel Win Frame	.	L N/A	Y				
	Cel Win Sash	.	L N/A	Y				
	Screen Frame	.	L N/A	Y				
A #	Cellar Win Sill	.	A/M L N/A	Y				
	Cel Win Frame	.	L N/A	Y				
	Cel Win Sash	.	L N/A	Y				
	Screen Frame	.	L N/A	Y				
A #	Cellar Win Sill		A/M L N/A	Y				
	Cel Win Frame		L N/A	Y				
	Cel Win Sash	.	L N/A	Y				
	Screen Frame	.	L N/A	Y				
A	Foundation	N.C	L N/A	Y				
	Bulkhead	.	L N/A	Y				
	Fences	.	L N/A	Y				
	Shutters	.	L N/A	Y				
A	Newel post	.	L N/A	Y				
	Railing Cap	.	A/M L N/A	Y				
	Handrail	.	A/M L N/A	Y				
	Balusters	.	L N/A	Y				
	Lower Rail	.	L N/A	Y				
	Treads	.	F L N/A	Y				
	Risers	.	L N/A	Y				
	Tread edge	.	L N/A	Y				
	Landing floor	.	L N/A	Y				
	Stringer	.	L N/A	Y				
	Lattice	.	L N/A	Y				
A	Drain Pipes	.	L N/A	Y				
	Elec Conduit	.	L N/A	Y				
	Oil Fill Pipe	.	L N/A	Y				
	Overhang Trim	N.A	L N/A	Y				
A	Lamp Post	.	L N/A	Y				
A		.	F M/I A/M L N/A	Y				
A		.	F M/I A/M L N/A	Y				

COMMENTS / STRUCTURAL DEFECTS:

EXCLUDED SURFACES: Surfaces listed in these boxes can only be made intact by a Deleader (MORE THAN 2880 SQ. IN.)

SIDE	LOCATION	MEASURE: LOOSE PAINT	IC DATE	IC METHOD
A				
A				
A				
A				

Soil Test Results (Must be less than 400 ppm for play area / 1200 ppm for bare soil)

LOCATION	AREA MEASUREMENT (Square Feet)	RESULT (PPM)	REMED DATE	REMED METH
Play Area				
Bare Soil				

Comments:

APPENDIX B

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113610

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO- Admin. Building

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO- Admin. Building

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A 1249878	Glue Tan	Under Carpet 2nd Floor	yellow	Non-Fibrous 100	None Detected
1B 1249879	Glue Tan	Under Carpet 2nd Floor	yellow	Non-Fibrous 100	None Detected
1C 1249880	Glue Tan	Under Carpet 2nd Floor	yellow	Non-Fibrous 100	None Detected
1D 1249881	Tan Glue	Under Carpet 2nd Floor	yellow	Non-Fibrous 100	None Detected
1E 1249882	Tan Glue	Under Carpet 2nd Floor	yellow	Non-Fibrous 100	None Detected
1F 1249883	Tan Glue	Under Carpet 2nd Floor	yellow	Non-Fibrous 100	None Detected
1G 1249884	Tan Glue	Under Carpet 2nd Floor	yellow	Non-Fibrous 100	None Detected
2A 1249885	Gray Cove Moulding	2nd Floor	gray	Non-Fibrous 100	None Detected
2B 1249886	Gray Cove Moulding	2nd Floor	gray	Non-Fibrous 100	None Detected
2C 1249887	Gray Cove Moulding	2nd Floor	gray	Non-Fibrous 100	None Detected
2D 1249888	Gray Cove Moulding	2nd Floor	gray	Non-Fibrous 100	None Detected
2E 1249889	Gray Cove Moulding	2nd Floor	gray	Non-Fibrous 100	None Detected
3A 1249890	Tan Mastic	2nd Floor	tan	Non-Fibrous 100	None Detected
3B 1249891	Tan Mastic	2nd Floor	tan	Non-Fibrous 100	None Detected
3C 1249892	Tan Mastic	2nd Floor	tan	Non-Fibrous 100	None Detected
3D 1249893	Tan Mastic	2nd Floor	tan	Non-Fibrous 100	None Detected
3E 1249894	Tan Mastic	2nd Floor	tan	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 27 March 2024

Analyzed by: Valerie Jaouette **Batch:** 113610

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO- Admin. Building

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
4A 1249895	White Joint Compound	2nd Floor	white	Non-Fibrous 100	None Detected
4B 1249896	White Joint Compound	2nd Floor	white	Non-Fibrous 100	None Detected
4C 1249897	White Joint Compound	2nd Floor	white	Non-Fibrous 100	None Detected
4D 1249898	White Joint Compound	2nd Floor	white	Non-Fibrous 100	None Detected
4E 1249899	White Joint Compound	2nd Floor	white	Non-Fibrous 100	None Detected
5A 1249900	Green Carpet Glue	1st Floor Invest Office	multi	Non-Fibrous 100	None Detected
5B 1249901	Green Carpet Glue	1st Floor Invest Office	multi	Non-Fibrous 100	None Detected
5C 1249902	Green Carpet Glue	1st Floor Invest Office	multi	Non-Fibrous 100	None Detected
6A 1249903	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6B 1249904	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6C 1249905	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6D 1249906	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6E 1249907	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6F 1249908	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6G 1249909	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6H 1249910	Drywall	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
6I 1249911	Drywall	2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected

Sampled: February 28, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 27 March 2024

Analyzed by: Valerie Jaouette **Batch:** 113610

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO- Admin. Building

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
7A 1249912	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7B 1249913	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7C 1249914	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7D 1249915	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7E 1249916	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7F 1249917	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7G 1249918	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7H 1249919	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
7I 1249920	2x2 White Ceiling Tile	1st/2nd Floor	gray	Cellulose 5 Non-Fibrous 95	None Detected
8A 1249921	Floor Tile Gray	1st Floor/Hall Lobby	gray	Non-Fibrous 100	None Detected
8B 1249922	Floor Tile Gray	1st Floor/Hall Lobby	gray	Non-Fibrous 100	None Detected
8C 1249923	Floor Tile Gray	1st Floor/Hall Lobby	gray	Non-Fibrous 100	None Detected
8D 1249924	Floor Tile Gray	1st Floor/Hall Lobby	gray	Non-Fibrous 100	None Detected
8E 1249925	Floor Tile Gray	1st Floor/Hall Lobby	gray	Non-Fibrous 100	None Detected
8F 1249926	Floor Tile Gray	1st Floor Lobby Hallway	gray	Non-Fibrous 100	None Detected
8G 1249927	Floor Tile Gray	1st Floor Lobby Hallway	gray	Non-Fibrous 100	None Detected
8H 1249928	Floor Tile Gray	1st Floor Lobby Hallway	gray	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 27 March 2024

Analyzed by: Valerie Jaouette **Batch:** 113610

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO- Admin. Building

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
8I 1249929	Floor Tile Gray	1st Floor Lobby Hallway	gray	Non-Fibrous 100	None Detected
9A 1249930	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9B 1249931	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9C 1249932	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9D 1249933	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9E 1249934	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9F 1249935	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9G 1249936	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9H 1249937	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Cellulose 3 Non-Fibrous 97	None Detected
9I 1249938	Tile Mastic Brown	1st Floor Hallway/Lobby	multi	Non-Fibrous 100	None Detected
10A 1249939	Carpet Mastic	Classroom A	yellow	Non-Fibrous 100	None Detected
10B 1249940	Carpet Mastic	Classroom A	yellow	Non-Fibrous 100	None Detected
10C 1249941	Carpet Mastic	1st Floor Classroom A	yellow	Non-Fibrous 100	None Detected
11A 1249942	Blue Floor Tile	1st Floor Mens Bathroom	blue	Non-Fibrous 100	None Detected
11B 1249943	Blue Floor Tile	1st Floor Mens Bathroom	blue	Non-Fibrous 100	None Detected
11C 1249944	Blue Floor Tile	1st Floor Mens Bathroom	blue	Cellulose 2 Non-Fibrous 98	None Detected
12A 1249945	Tan Floor Tile Mastic	1st Floor Mens Bathroom	yellow	Cellulose 2 Non-Fibrous 98	None Detected

Sampled: February 28, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 27 March 2024

Analyzed by: Valerie Jaouette **Batch:** 113610

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO- Admin. Building

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
12B 1249946	Tan Floor Tile Mastic	1st Floor Mens Bathroom	yellow	Cellulose 2 Non-Fibrous 98	None Detected
12C 1249947	Tan Floor Tile Mastic	1st Floor Mens Bathroom	yellow	Non-Fibrous 100	None Detected
13A 1249948	Black Cove Moulding	1st Floor Hall/Lobby	multi	Non-Fibrous 100	None Detected
13B 1249949	Black Cove Moulding	1st Floor Hall/Lobby	multi	Non-Fibrous 100	None Detected
13C 1249950	Black Cove Moulding	1st Floor Hall/Lobby	multi	Non-Fibrous 100	None Detected
13D 1249951	Black Cove Moulding	1st Floor Hall/Lobby	multi	Non-Fibrous 100	None Detected
13E 1249952	Black Cove Moulding	1st Floor Hall/Lobby	multi	Non-Fibrous 100	None Detected
14A 1249953	Tan Mastic	1st Floor Hall/Lobby	tan	Non-Fibrous 100	None Detected
14B 1249954	Tan Mastic	1st Floor Hall/Lobby	tan	Non-Fibrous 100	None Detected
14C 1249955	Tan Mastic	1st Floor Hall/Lobby	tan	Non-Fibrous 100	None Detected
14D 1249956	Tan Mastic	1st Floor Hall/Lobby	tan	Non-Fibrous 100	None Detected
14E 1249957	Tan Mastic	1st Floor Hall/Lobby	tan	Non-Fibrous 100	None Detected
15A 1249958	Joint Compound White	1st Floor	white	Non-Fibrous 100	None Detected
15B 1249959	Joint Compound White	1st Floor	white	Non-Fibrous 100	None Detected
15C 1249960	Joint Compound White	1st Floor	white	Non-Fibrous 100	None Detected
15D 1249961	Joint Compound White	1st Floor	white	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 27 March 2024

Analyzed by: Valerie Jaquette **Batch:** 113610

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO- Admin. Building

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
15E / 1249962	Joint Compound White	1st Floor	white	Fiberglass 30 Cellulose 40 Non-Fibrous 30	None Detected
16A / 1249963	No Sample	No Sample		Fiberglass 30 Cellulose 40 Non-Fibrous 30	None Detected
16B / 1249964	Tan Cove Base	Mech Rm	yellow		Not Analyzed
16C / 1249965	Tan Cove Base	Mech Rm	yellow		Not Analyzed

Sampled: February 28, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 27 March 2024

Analyzed by: Valerie Jaworski **Batch:** 113610

Worcester County Sheriff office

Client: CDW Consultants, Inc.
Address: 4 California Dr, Framingham
Project Site & #: WCSO
Phone / email address: 978-877-1542
~~Alan Sandquist@cdwconsultants.com~~
Contact: Alan Sandquist
Relinquish by/date: Mitchell Lock 3/18/24
Received by/date: AL 3/18/24
# of Samples Received: 88

CHAIN OF CUSTODY
EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/22/24

BATCH# 113610 Rev 01/24

Page 1 of 18

Turnaround Time		Sample Method	
	Less 3 Hrs	X	Bulk
	Same Day		Soil
	Next Day		Wipe
	Two Day		Point Count
X	Three Day		NOB

Stop on 1st Positive? (Yes)/No
Analyzed By: Valerie Daouette
Date: 3/19/24

Temp in Celsius = 22

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1249878	1A	Material: Glue TAN Location: UNDER CARPET 2nd Floor	0	Y	N	GR	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
79	1B	Material: 〃 Location: 〃	0	Y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
80	1C	Material: 〃 Location: 〃	0	Y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: II	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
81	1D	Material Tan Glue Location Under carpet 2nd Floor	0	y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
82	1E	Material " Location "	0	y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
83	1F	Material " Location "	0	y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
84	1G	Material " Location "	0	y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
85	2A	Material Grey Cove Moulding Location 2nd Floor	0	Gy	y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: II	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
86	2B	Material: Gray Cove molding Location: 2nd Floor	0	Gy	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
87	2C	Material: " Location: "	0	Gy	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
88	2D	Material: " Location: "	0	Gy	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
89	2E	Material: " Location: "	0	Gy	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
90	3A	Material: Tan mastic Location: 2nd Floor	0	T	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
91	3B	Material: TAN MASTIC Location: 2ND FLOOR	O	T	N	GN	N	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
92	3C	Material: " Location: "	O	T	N	GN	N	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
93	3D	Material: " Location: "	O	T	N	GN	N	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
94	3E	Material: " Location: "	O	T	N	GN	N	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
95	4A	Material: WHITE JOINT COMPOUND Location: 2ND FLOOR	O	W	Y	GN	Y	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
96	4B	Material: White Joint Compound Location: 2nd Floor	0	W	Y	GN	Y	Chrysotile															100
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
97	4C	Material: 〃 Location: 〃	0	W	Y	GN	Y	Chrysotile															100
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
98	4D	Material: 〃 Location: 〃	0	W	Y	GN	Y	Chrysotile															100
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
99	4E	Material: 〃 Location: 〃	0	W	Y	GN	Y	Chrysotile															100
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
00	5A	Material: Green Carpet Glue Location: ~~Roof~~ 1st Floor Invest office	0	M	N	GN	N	Chrysotile															100
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊢	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
01	5B	Material Green Colored Glue Location 1st Floor Hallway	0	M	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
02	5C	Material 〃 Location 〃	0	M	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
03	6A	Material Dry Wall Location 1st/ 2nd Floor	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite												R				
								Tremolite																
								Anthophyllite																
								Actinolite												5				95
04	6B	Material 〃 Location 〃	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite												R				
								Tremolite																
								Anthophyllite																
								Actinolite												5				95
05	6C	Material 〃 Location 〃	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite												R				
								Tremolite																
								Anthophyllite																
								Actinolite												5				95

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: II	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
06	6D	Material: Wall Location: 1st/2nd Floor	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite											5					95
								Actinolite																
07	6E	Material: " Location: "	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite											5					95
								Actinolite																
08	6F	Material: " Location: "	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite											5					95
								Actinolite																
05	6G	Material: " Location: "	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite											5					95
								Actinolite																
10	6H	Material: " Location: "	0	Gy	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite											5					95
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊢	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
11	6I	Material: Drywall Location: 2nd Floor	0	Gy	N	GN/F	y	Chrysotile											R					
								Amosite																
								Crocidolite																
								Tremolite											5					95
								Anthophyllite																
								Actinolite																
12	7A	Material: 2x2 White Ceiling Tile Location: 1st/2nd Floor	0	Gy	N	GN/F	y	Chrysotile											R					
								Amosite																
								Crocidolite																
								Tremolite											5					95
								Anthophyllite																
								Actinolite																
13	7B	Material: 〃 Location: 〃	0	Gy	N	GN/F	y	Chrysotile											R					
								Amosite																
								Crocidolite																
								Tremolite											5					95
								Anthophyllite																
								Actinolite																
14	7C	Material: 〃 Location: 〃	0	Gy	N	GN/F	y	Chrysotile											R					
								Amosite																
								Crocidolite																
								Tremolite											5					95
								Anthophyllite																
								Actinolite																
15	7D	Material: 〃 Location: 〃	0	Gy	N	GN/F	y	Chrysotile											R					
								Amosite																
								Crocidolite																
								Tremolite											5					95
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
16	7E	Material 2x2 white ceiling tiles						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location 1st 2nd Floor						Tremolite															
			0	Gy	N	G/F	y	Anthophyllite															
								Actinolite											5				95
17	7F	Material "						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location "						Tremolite															
			0	Gy	N	G/F	y	Anthophyllite															
								Actinolite											5				95
18	7G	Material "						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location "						Tremolite															
			0	Gy	N	G/F	y	Anthophyllite															
								Actinolite											5				95
19	7H	Material "						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location "						Tremolite															
			0	Gy	N	G/F	y	Anthophyllite															
								Actinolite											5				95
20	7I	Material						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location						Tremolite															
			0	Gy	N	G/F	y	Anthophyllite															
								Actinolite											5				95

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
21	84	Material Floor Tile Mastic Location 1st Floor / Room Lobby	0	Gy	Y	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
22	83	Material " Location "	0	Gy	Y	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
23	82	Material " Location "	0	Gy	Y	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
24	81	Material " Location "	0	Gy	Y	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
25	80	Material " Location "	0	Gy	Y	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
26	E F	Material F Floor T. Le Gray Location 1st Floor Lobby Hallway	0	Gy	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
27	E G	Material " Location "	0	Gy	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
28	E H	Material " Location "	0	Gy	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
29	E I	Material " Location "	0	Gy	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
30	E J	Material T. Le Mastic & brown Location 1st Floor Hallway / Lobby	0	M	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite												R 3				97

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
31	9B	Material T. La Mastic Brown Location 1st Floor Lobby / Halls	0	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											3				97
32	9C	Material " Location "	0	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											3				97
33	9D	Material " Location "	0	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											3				97
34	9E	Material " Location "	0	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											3				97
35	9F	Material " Location "	0	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											3				97

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
36	9G	Material T, L mastic Base Location 1st Floor Lobby/ Hallway	0	M	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite																
								Actinolite											3					97
37	9H	Material 11 Location 11	0	M	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite																
								Actinolite											3					97
38	9I	Material 11 Location 11	0	M	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite																
								Anthophyllite																
								Actinolite											3					97
35	10A	Material Carpet mastic Location Classroom A	0	Y	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
40	10B	Material 11 Location 11	0	Y	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
41	10C	Material: CARPET MASTIC Location: 1ST FLOOR CLASSROOM A	0	Y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
42	11A	Material: BLK FLOOR TILE Location: 1ST FLOOR MENS BATHROOM	0	BL	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
43	11B	Material: GY Location: 11	0	BL	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
44	11C	Material: 11 Location: 11	0	BL	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
45	12A	Material: MASTIC TAN FLOOR TILE Location: 1ST FLOOR MENS BATHROOM	0	Y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite												R			
								Tremolite															
								Anthophyllite															
								Actinolite												2			98

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
46	12B	Material: Tan Mastic floor tile Location: 1st Floor Mens Bathroom	0	Y	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 2				98
47	12C	Material: " Location: "	0	Y	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 2				98
48	13A	Material: Black Cove molding Location: 1st Floor ~~[illegible]~~ Hall/Lobby	0	M	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
49	13B	Material: " Location: "	0	M	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
50	13C	Material: " Location: "	0	M	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
S1	13D	Material Black Cove molding Location 1st Floor Hall / Lobby	O	M	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
S2	13E	Material " Location "	O	M	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
S3	14A	Material ~~Tan~~ Tan Mastic Location 1st Floor Hall / Lobby	O	T	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
S4	14B	Material " Location "	O	T	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
S5	14C	Material " Location "	O	T	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊢	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
56	14D	Material Tan mastic Location 1st Floor Hall/Lobby	0	T	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
57	14E	Material 〃 Location 〃	0	T	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
58	15A	Material Joint compound white Location 1st Floor	0	W	Y	GN	Y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
59	15B	Material 〃 Location 〃	0	W	Y	GN	Y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
60	15C	Material 〃 Location 〃	0	W	Y	GN	Y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
61	15D	Material White Joint Compound Location 1st Floor	0	W	y	GN	y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
62	15E	Material " Location "	0	W	y	GN	y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
63	16A	Material Tile Levement Location Bath Rm						Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
64	16B	Material " Location "	0	y	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
1244965	16C	Material " Location "	0	y	N	GN/F	y	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

No Sample

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113105

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WSCO (Annex)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WSCO (Annex)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1242752	Covering on Water Tank	Boiler Room	white	Fiberglass 10 Cellulose 30 Non-Fibrous 60	None Detected
1B / 1242753	Covering on Water Tank	Boiler Room	white	Fiberglass 10 Cellulose 30 Non-Fibrous 60	None Detected
1C / 1242754	Covering on Water Tank	Boiler Room	white	Fiberglass 10 Cellulose 30 Non-Fibrous 60	None Detected
2A / 1242755	Green Cove Molding	Boiler Room	gray	Non-Fibrous 100	None Detected
2B / 1242756	Green Cove Molding	Boiler Room	gray	Non-Fibrous 100	None Detected
2C / 1242757	Green Cove Molding	Boiler Room	gray	Non-Fibrous 100	None Detected
3A / 1242758	Tan Mastic on Cove Molding	Boiler Room	tan	Non-Fibrous 100	None Detected
3B / 1242759	Tan Mastic on Cove Molding	Boiler Room	tan	Non-Fibrous 100	None Detected
3C / 1242760	Tan Mastic on Cove Molding	Boiler Room	tan	Non-Fibrous 100	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 07, 2024

Friday 08 March 2024

Analyzed by: 

Batch: 113105

Client: CDW Consultants Inc.
Address: 4 California Ave, Framingham, MA
Project Site & #: WCSO (ANNEX) / #2130.00
Phone / email address:
bdana@cdwconsultants.com
Contact: Bryant Dana
Relinquish by/date:
Receivec by/date: 3/5/24
# of Samples Received: 9

CHAIN OF CUSTODY
EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/27/24

BATCH# 113103 Rev 01/24

Page 1 of 3.

Turnaround Time		Sample Method	
☐	Less 3 Hrs	☒	Bulk
☐	Same Day	☐	Soil
☐	Next Day	☐	Wipe
☐	Two Day	☐	Point Count
☒	Three Day	☐	NOB

Stop on 1st Positive? (Yes/No)
Analyzed By:
Date: 3/7/24

Temp in Celsius = 23

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
2413762	1A	Material Covering on water tank Location Boiler Room	Chrysotile																				
			Amosite																				
			Crocidolite														I		TR				
			Tremolite																				
			Anthophyllite														ND		30				60
			Actinolite																				
63	1B	Material Location	Chrysotile																				
			Amosite																				
			Crocidolite														I		TR				
			Tremolite																				
			Anthophyllite														ND		30				60
			Actinolite																				
64	1C	Material Location	Chrysotile																				
			Amosite																				
			Crocidolite														I		TR				
			Tremolite																				
			Anthophyllite														ND		30				60
			Actinolite																				

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
56	2A	Material Green Cove Molding Location Boiler Room						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
58	2B	Material ″ ″ Location ″ ″						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
57	2C	Material ″ ″ Location ″ ″						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
58	3A	Material Tan mastic on Cove Molding Location Boiler Room						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
59	3B	Material ″ ″ Location ″ ″						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
60	3C	Material " "	0% [illegible]					Chrysotile															✓
								Amosite															
								Crocidolite															
		Location " "						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113107

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (FJD)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

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- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (FJD)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1242822	Tan Pipe Cove	Mech Room	tan	Fiberglass 10 Cellulose 75 Non-Fibrous 15	None Detected
1B / 1242823	Tan Pipe Cove	Mech Room	tan	Fiberglass 10 Cellulose 75 Non-Fibrous 15	None Detected
1C / 1242824	Tan Pipe Cove	Mech Room	tan	Fiberglass 10 Cellulose 75 Non-Fibrous 15	None Detected
2A / 1242825	TSI Mud End	Mech Room	white	Fiberglass 20 Non-Fibrous 80	None Detected
2B / 1242826	TSI Mud End	Mech Room	white	Fiberglass 20 Non-Fibrous 80	None Detected
2C / 1242827	TSI Mud End	Mech Room	white	Fiberglass 20 Non-Fibrous 80	None Detected
3A / 1242828	Red Joint Sealant	Mech Room	red	Non-Fibrous 100	None Detected
3B / 1242829	Red Joint Sealant	Mech Room	red	Non-Fibrous 100	None Detected
3C / 1242830	Red Joint Sealant	Mech Room	red	Non-Fibrous 100	None Detected
4A / 1242831	Black Tar Coating on HVAC	Mech Room	black	Non-Fibrous 100	None Detected
4B / 1242832	Black Tar Coating on HVAC	Mech Room	black	Non-Fibrous 100	None Detected
4C / 1242833	Black Tar Coating on HVAC	Mech Room	black	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 04, 2024 **Analyzed:** March 07, 2024

Friday 08 March 2024

Analyzed by: 

Batch: 113107

CHAIN OF CUSTODY

EPA/600/R-93/116

Client: CDW Consultants Inc.
Address: 4 California Ave, Framingham, MA.
Project Site & #: WCSO(FJD)/#2130.00
Phone / email address: bdarna@cdwconsultants.com
Contact: Bryant Darna
Relinquish by/date:
Received by/date: [signature] 3/5/24
# of Samples Received: 12

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/28/24

BATCH# 113107

Rev 01/24

Page 1 of 3.

Turnaround Time	Sample Method
☐ Less 3 Hrs	☒ Bulk
☐ Same Day	☐ Soil
☐ Next Day	☐ Wipe
☐ Two Day	☐ Point Count
☒ Three Day	☐ NOB

Stop on 1st Positive? (Yes) No

Analyzed By: [signature]
Date: 3/7/24

Temp in Celsius = 23

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
12412822	1A	Material Tan Pipe Cover Location Mech Room	0	t	y	f	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 6		R 75				15
83	1B	Material " " Location " "	0	t	y	f	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 6		R 75				15
84	1C	Material " " Location " "	0	t	y	f	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 6		R 75				15

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Temp in Celcius = ____	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
				% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
88	2A	Material TSI MUD END Location Mech Room		0	W	H	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1 2						8
82	2B	Material ~ Location ~		0	W	H	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1 2						8
87	2C	Material ~ Location ~		0	W	H	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1 2						9
28	3A	Material Red Joint Sealant Location Mech Room		0	R	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
85	3B	Material ~ Location ~		0	R	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
3	3C	Material Location	0	R	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
4	4A	Material Black Tar Coating on HVAC Location Mech Room	0	BK	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
5	4B	Material Location	0	BK	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
6	4C	Material Location	0	BK	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113127

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Horse Barn)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
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- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Horse Barn)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1243274	Gray Floor Tile	1st Floor Bath/Kitchen	gray	Non-Fibrous 100	None Detected
1B / 1243275	Gray Floor Tile	1st Floor Bath/Kitchen	gray	Non-Fibrous 100	None Detected
1C / 1243276	Gray Floor Tile	1st Floor Bath/Kitchen	gray	Non-Fibrous 100	None Detected
2A / 1243277	Brown Mastic under Floor TIle	1st Floor Bath/Kitchen	yellow	Cellulose 5 Non-Fibrous 95	None Detected
2B / 1243278	Brown Mastic under Floor TIle	1st Floor Bath/Kitchen	yellow	Cellulose 5 Non-Fibrous 95	None Detected
2C / 1243279	Brown Mastic under Floor TIle	1st Floor Bath/Kitchen	yellow	Cellulose 5 Non-Fibrous 95	None Detected
3A / 1243280	Cove Mastic on Paper	1st Floor Kitchen	tan	Non-Fibrous 100	None Detected
3B / 1243281	Cove Mastic on Paper	1st Floor Kitchen	tan	Non-Fibrous 100	None Detected
3C / 1243282	Cove Mastic on Paper	1st Floor Kitchen	tan	Non-Fibrous 100	None Detected
4A / 1243283	Gray Cove Molding	1st Floor Bath	gray	Non-Fibrous 100	None Detected
4B / 1243284	Gray Cove Molding	1st Floor Bath	gray	Non-Fibrous 100	None Detected
4C / 1243285	Gray Cove Molding	1st Floor Bath	gray	Non-Fibrous 100	None Detected
5A / 1243286	Tan Mastic on Gray Cove Molding	1st Floor Bath	tan	Non-Fibrous 100	None Detected
5B / 1243287	Tan Mastic on Gray Cove Molding	1st Floor Bath	tan	Non-Fibrous 100	None Detected
5C / 1243288	Tan Mastic on Gray Cove Molding	1st Floor Bath	tan	Non-Fibrous 100	None Detected
6A / 1243289	Squiggly Ceiling Tile	1st Floor	gray	Fiberglass 30 Mineral Wool 30 Cellulose 30 Non-Fibrous 10	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 07, 2024

Friday 08 March 2024

Analyzed by: Valerie Jaouette **Batch:** 113127

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Horse Barn)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
6B 1243290	Squiggly Ceiling Tile	1st Floor	gray	Fiberglass 30 Mineral Wool 30 Cellulose 30 Non-Fibrous 10	None Detected
6C 1243291	Squiggly Ceiling Tile	1st Floor	gray	Fiberglass 30 Mineral Wool 30 Cellulose 30 Non-Fibrous 10	None Detected
7A 1243292	Dotted Ceiling Tile	Garage	gray	Fiberglass 30 Mineral Wool 30 Cellulose 30 Non-Fibrous 10	None Detected
7B 1243293	Dotted Ceiling Tile	Garage	gray	Fiberglass 30 Mineral Wool 30 Cellulose 30 Non-Fibrous 10	None Detected
7C 1243294	Dotted Ceiling Tile	Garage	gray	Fiberglass 30 Mineral Wool 30 Cellulose 30 Non-Fibrous 10	None Detected
8A 1243295	Tan w/ Flowers Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	tan	Non-Fibrous 100	None Detected
8B 1243296	Tan w/ Flowers Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	tan	Non-Fibrous 100	None Detected
8C 1243297	Tan w/ Flowers Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	tan	Non-Fibrous 100	None Detected
9A 1243298	White Mastic under Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	clear	Non-Fibrous 100	None Detected
9B 1243299	White Mastic under Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	clear	Non-Fibrous 100	None Detected
9C 1243300	White Mastic under Floor Tile	Water Heater Closet (2nd Floor/1st Floor Bath)	clear	Non-Fibrous 100	None Detected
10A 1243301	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	gray	Fiberglass 2 Cellulose 5 Non-Fibrous 93	None Detected
10B 1243302	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	gray	Fiberglass 2 Cellulose 5 Non-Fibrous 93	None Detected
10C 1243303	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	gray	Fiberglass 2 Cellulose 5 Non-Fibrous 93	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 07, 2024

Friday 08 March 2024

Analyzed by: Valerie Jaquette **Batch:** 113127

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Horse Barn)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
10D / 1243304	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	gray	Fiberglass 2 Cellulose 5 Non-Fibrous 93	None Detected
10E / 1243305	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	gray	Fiberglass 2 Cellulose 5 Non-Fibrous 93	None Detected
10F / 1243306	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	gray	Fiberglass 2 Cellulose 5 Non-Fibrous 93	None Detected
10G / 1243307	Drywall	Kitchen/Bath/Foyer/Stairs to 2nd Level/Offices	gray	Fiberglass 2 Cellulose 5 Non-Fibrous 93	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 07, 2024

Friday 08 March 2024

Analyzed by: Valerie Jaworski **Batch:** 113127

Client: CDW Consultants Inc.
Address: 4 California Ave, Framingham, MA
Project Site & #: WCSO (Horse Barn) / #2130.00
Phone / email address:
bdana@cdwconsultants.com
Contact: Bryant Dana
Relinquish by/date:
Received by/date: 3/5/24
# of Samples Received: 34

CHAIN OF CUSTODY
EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/27/24

BATCH# 13127 Rev 01/24

Page 1 of 8.

Turnaround Time		Sample Method	
☐	Less 3 Hrs	☒	Bulk
☐	Same Day	☐	Soil
☐	Next Day	☐	Wipe
☐	Two Day	☐	Point Count
☒	Three Day	☐	NOB

Stop on 1st Positive? (Yes) No
Analyzed By: Valerie Jaworski
Date: 3/7/24

Temp in Celsius = 22

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1243274	1A	Material: Gray Floor tile Location: 1st Floor Bath / Kitchen	0	Gy	y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
75	1B	Material: " Location: "	0	Gy	y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
76	1C	Material: " Location: "	0	Gy	y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
77	2A	Material Brown mastic under Floor tile Location 1st Floor Bath / Kitchen	0	Y	N	GN	N	Chrysotile												R				
								Amosite																
								Crocidolite																
								Tremolite												5				95
								Anthophyllite																
								Actinolite																
78	2B	Material Location	0	Y	N	GN	N	Chrysotile												R				
								Amosite																
								Crocidolite																
								Tremolite												5				95
								Anthophyllite																
								Actinolite																
79	2C	Material Location	0	Y	N	GN	N	Chrysotile												R				
								Amosite																
								Crocidolite																
								Tremolite												5				95
								Anthophyllite																
								Actinolite																
80	3A	Material Cove Mastic on Paper Location 1st Floor Kitchen	0	T	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																100
								Actinolite																
81	3B	Material Location	0	T	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																100
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊢	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
82	3C	Material ~ ~ Location ~ ~	0	T	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
83	4A	Material Gray Cove Molding Location 1st Floor Bath	0	Gy	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
84	4B	Material ~ ~ Location ~ ~	0	Gy	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
85	4C	Material ~ ~ Location ~ ~	0	Gy	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
86	5A	Material Tan Mastic on Gray Cove Molding Location 1st Floor Bath	0	T	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊢	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
87	5B	Material Location	O	T	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
88	5C	Material Location	O	T	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
89	6A	Material Squiggly Ceiling tile Location 1st Floor	O	Gy	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 30	rl 30	R 30				10
90	6B	Material Location	O	Gy	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 30	rl 30	R 30				60
91	6C	Material Location	O	Gy	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 30	rl 30	R 30				10

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
42	7A	Material Dotted ceiling tile Location Garage	0	Gy	N	F	y	Chrysotile									rl	rl	R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									30	30	30				10
								Actinolite															
43	7B	Material ~ ~ Location ~ ~	0	Gy	N	F	y	Chrysotile									rl	rl	R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									30	30	30				10
								Actinolite															
44	7C	Material ~ ~ Location ~ ~	0	Gy	N	F	y	Chrysotile									rl	rl	R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									30	30	30				10
								Actinolite															
45	8A	Material Tan w/ Flowers Floor tile Location Water Heater Closet (2nd Floor/ 1st Floor Bath)	0	T	y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
46	8B	Material ~ ~ Location ~ ~	0	T	y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊢	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
95	8C	Material ~ ~ Location ~ ~	O	T	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
98	9A	Material White mastic under floor tile Location Water Heater Closet (2nd Floor / 1st Floor Bath)	O	C	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
99	9B	Material ~ ~ Location ~ ~	O	C	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
100	9C	Material ~ ~ Location ~ ~	O	C	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
01	10A	Material Drywall Location Kitchen / Bath / Foyer / Stairs to 2nd Level / offices	O	Gy	N	GN/F	y	Chrysotile															
								Amosite															
								Crocidolite									4		R				
								Tremolite															95
								Anthophyllite									2		5				
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
02	10B	Material						Chrysotile															
								Amosite															
								Crocidolite									rd		R				
		Location						Tremolite															
			0	Gy	2	G/F	y	Anthophyllite															
								Actinolite									2		5				93
03	10C	Material						Chrysotile															
								Amosite															
								Crocidolite									rd		R				
		Location						Tremolite															
			0	Gy	2	G/F	y	Anthophyllite															
								Actinolite									2		5				93
04	10D	Material						Chrysotile															
								Amosite															
								Crocidolite									rd		R				
		Location						Tremolite															
			0	Gy	2	G/F	y	Anthophyllite															
								Actinolite									2		5				93
05	10E	Material						Chrysotile															
								Amosite															
								Crocidolite									rd		R				
		Location						Tremolite															
			0	Gy	2	G/F	y	Anthophyllite															
								Actinolite									2		5				93
06	10F	Material						Chrysotile															
								Amosite															
								Crocidolite									rd		R				
		Location						Tremolite															
			0	Gy	2	G/F	y	Anthophyllite															
								Actinolite									2		5				93

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
07	106	Material						Chrysotile															
								Amosite															
								Crocidolite									tl		R				
		Location						Tremolite															
			O	Gy	N	GN/F	Y	Anthophyllite									2		5				93
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 114091

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1255955	Gray Cove Molding	Main Building Front Lobby	gray	Non-Fibrous 100	None Detected
1B / 1255956	Gray Cove Molding	Main Building Front Lobby	gray	Non-Fibrous 100	None Detected
1C / 1255957	Gray Cove Molding	Main Building Front Lobby	gray	Non-Fibrous 100	None Detected
2A / 1255958	Off-White Mastic	Front Lobby	gray	Non-Fibrous 100	None Detected
2B / 1255959	Off-White Mastic	Front Lobby	gray	Non-Fibrous 100	None Detected
2C / 1255960	Off-White Mastic	Front Lobby	gray	Non-Fibrous 100	None Detected
3A / 1255961	Concrete Coating	Front Lobby	gray	Non-Fibrous 100	None Detected
3B / 1255962	Concrete Coating	Front Lobby	gray	Non-Fibrous 100	None Detected
3C / 1255963	Concrete Coating	Front Lobby	gray	Non-Fibrous 100	None Detected
4A / 1255964	Plaster Wall	Front Lobby	white	Non-Fibrous 100	None Detected
4B / 1255965	Plaster Wall	Front Lobby	white	Non-Fibrous 100	None Detected
4C / 1255966	Plaster Wall	Front Lobby	white	Non-Fibrous 100	None Detected
4D / 1255967	Plaster Wall	Front Lobby	white	Non-Fibrous 100	None Detected
4E / 1255968	Plaster Wall	Front Lobby	white	Non-Fibrous 100	None Detected
5A / 1255969	Tan Plaster Covering	Above Ceiling Front Lobby	gray	Non-Fibrous 100	None Detected
5B / 1255970	Tan Plaster Covering	Above Ceiling Front Lobby	gray	Non-Fibrous 100	None Detected
5C / 1255971	Tan Plaster Covering	Above Ceiling Front Lobby	gray	Non-Fibrous 100	None Detected

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

Wednesday 27 March 2024

Analyzed by: 

Batch: 114091

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
5D / 1255972	Tan Plaster Covering	Above Ceiling Front Lobby	gray	Non-Fibrous 100	None Detected
5E / 1255973	Tan Plaster Covering	Above Ceiling Front Lobby	gray	Non-Fibrous 100	None Detected
6A / 1255974	Paper TSI Wrap on Pipe	Above Ceiling Front Lobby	tan	Fiberglass 10 Cellulose 70 Non-Fibrous 20	None Detected
6B / 1255975	Paper TSI Wrap on Pipe	Above Ceiling Front Lobby	tan	Fiberglass 10 Cellulose 70 Non-Fibrous 20	None Detected
6C / 1255976	Paper TSI Wrap on Pipe	Above Ceiling Front Lobby	tan	Fiberglass 10 Cellulose 70 Non-Fibrous 20	None Detected
7A / 1255977	Glue on Fiberglass Wrap on Duct	Above Ceiling Front Lobby	tan	Non-Fibrous 100	None Detected
7B / 1255978	Glue on Fiberglass Wrap on Duct	Above Ceiling Front Lobby	tan	Non-Fibrous 100	None Detected
7C / 1255979	Glue on Fiberglass Wrap on Duct	Above Ceiling Front Lobby	tan	Non-Fibrous 100	None Detected
8A / 1255980	Brown Caulking around Window Unit by Offices	Front Lobby	black	Non-Fibrous 100	None Detected
8B / 1255981	Brown Caulking around Window Unit by Offices	Front Lobby	black	Non-Fibrous 100	None Detected
8C / 1255982	Brown Caulking around Window Unit by Offices	Front Lobby	black	Non-Fibrous 100	None Detected
9A / 1255983	Brown Window Glaze	Windows around Control Booth 1 in Front Lobby	gray	Non-Fibrous 95	**Detected** **Chrysotile 5**
9B / 1255984	Brown Window Glaze	Windows around Control Booth 1 in Front Lobby			Not Analyzed
9C / 1255985	Brown Window Glaze	Windows around Control Booth 1 in Front Lobby			Not Analyzed
10A / 1255986	Brown Window Glaze	Fisher Conference Room 6"x6" Windows	gray	Non-Fibrous 98	**Detected** **Chrysotile 2**
10B / 1255987	Brown Window Glaze	Fisher Conference Room 6"x6" Windows			Not Analyzed

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

Wednesday 27 March 2024

Analyzed by: 

Batch: 114091

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
10C / 1255988	Brown Window Glaze	Fisher Conference Room 6"x6" Windows			Not Analyzed
11A / 1255989	Tan Glue under Rug	Fisher Conference Room Front Lobby, Sheriffs Office	tan	Non-Fibrous 100	None Detected
11B / 1255990	Tan Glue under Rug	Fisher Conference Room Front Lobby, Sheriffs Office	tan	Non-Fibrous 100	None Detected
11C / 1255991	Tan Glue under Rug	Fisher Conference Room Front Lobby, Sheriffs Office	tan	Non-Fibrous 100	None Detected
11D / 1255992	Tan Glue under Rug	Fisher Conference Room Front Lobby, Sheriffs Office	tan	Non-Fibrous 100	None Detected
11E / 1255993	Tan Glue under Rug	Fisher Conference Room Front Lobby, Sheriffs Office	tan	Non-Fibrous 100	None Detected
12A / 1255994	Yellow Sand Coating	WESO Vault	tan	Non-Fibrous 100	None Detected
12B / 1255995	Yellow Sand Coating	WESO Vault	tan	Non-Fibrous 100	None Detected
12C / 1255996	Yellow Sand Coating	WESO Vault	tan	Non-Fibrous 100	None Detected
13A / 1255997	White W/ Gray Specks Floor Tile	Sheriff's Office	white	Non-Fibrous 100	None Detected
13B / 1255998	White W/ Gray Specks Floor Tile	Sheriff's Office	white	Non-Fibrous 100	None Detected
13C / 1255999	White W/ Gray Specks Floor Tile	Sheriff's Office	white	Non-Fibrous 100	None Detected
14A / 1256000	Black Mastic	Sheriff's Office	black	Non-Fibrous 97	**Detected** Chrysotile 3
14B / 1256001	Black Mastic	Sheriff's Office			Not Analyzed
14C / 1256002	Black Mastic	Sheriff's Office			Not Analyzed
15A / 1256003	Gray Caulk around Door Unit	Exit Door by Fisher Conference	gray	Non-Fibrous 100	None Detected
15B / 1256004	Gray Caulk around Door Unit	Exit Door by Fisher Conference	gray	Non-Fibrous 100	None Detected

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

Wednesday 27 March 2024

Analyzed by:  **Batch:** 114091

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
15C / 1256005	Gray Caulk around Door Unit	Exit Door by Fisher Conference	gray	Non-Fibrous 100	None Detected
16A / 1256006	Popcorn Finish Covering	Visting Room	multi	Cellulose 5 Non-Fibrous 95	None Detected
16B / 1256007	Popcorn Finish Covering	Visting Room	multi	Cellulose 5 Non-Fibrous 95	None Detected
16C / 1256008	Popcorn Finish Covering	Visting Room	multi	Non-Fibrous 98	**Detected** **Chrysotile 2**
16D / 1256009	Popcorn Finish Covering	Visting Room			Not Analyzed
16E / 1256010	Popcorn Finish Covering	Visting Room			Not Analyzed
17A / 1256011	White W/ Off-White Specks Floor Tile	Chapel	multi	Non-Fibrous 98	**Detected** **Chrysotile 2**
17B / 1256012	White W/ Off-White Specks Floor Tile	Chapel			Not Analyzed
17C / 1256013	White W/ Off-White Specks Floor Tile	Chapel			Not Analyzed
18A / 1256014	Black Mastic	Chapel	black	Non-Fibrous 94	**Detected** **Chrysotile 6**
18B / 1256015	Black Mastic	Chapel			Not Analyzed
18C / 1256016	Black Mastic	Chapel			Not Analyzed
19A / 1256017	Popcorn Finish Covering	Chapel	tan	Cellulose 5 Non-Fibrous 95	None Detected
19B / 1256018	Popcorn Finish Covering	Chapel	tan	Non-Fibrous 100	None Detected
19C / 1256019	Popcorn Finish Covering	Chapel	tan	Non-Fibrous 100	None Detected
20A / 1256020	Off-White / Gray Specks Floor Tile (Top Layer)	Chapel (Hallway)	gray	Non-Fibrous 100	None Detected
20B / 1256021	Off-White / Gray Specks Floor Tile (Top Layer)	Chapel (Hallway)	gray	Non-Fibrous 100	None Detected

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

Wednesday 27 March 2024

Analyzed by:  **Batch:** 114091

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6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
20C / 1256022	Off-White / Gray Specks Floor Tile (Top Layer)	Chapel (Hallway)	gray	Non-Fibrous 100	None Detected
21A / 1256023	Tan Mastic between Floor Tiles	Chapel (Hallway)	yellow	Non-Fibrous 100	None Detected
21B / 1256024	Tan Mastic between Floor Tiles	Chapel (Hallway)	yellow	Non-Fibrous 100	None Detected
21C / 1256025	Tan Mastic between Floor Tiles	Chapel (Hallway)	yellow	Non-Fibrous 100	None Detected
22A / 1256026	Off-White Floor Tile (Bottom Layer)	Chapel (Hallway)	tan	Non-Fibrous 96	Detected Chrysotile 4
22B / 1256027	Off-White Floor Tile (Bottom Layer)	Chapel (Hallway)			Not Analyzed
22C / 1256028	Off-White Floor Tile (Bottom Layer)	Chapel (Hallway)			Not Analyzed
23A / 1256029	Black Cove Molding	Chapel	multi	Non-Fibrous 100	None Detected
23B / 1256030	Black Cove Molding	Chapel	multi	Non-Fibrous 100	None Detected
23C / 1256031	Black Cove Molding	Chapel	multi	Non-Fibrous 100	None Detected
24A / 1256032	Tan Mastic	Chapel	black	Non-Fibrous 100	None Detected
24B / 1256033	Tan Mastic	Chapel	black	Non-Fibrous 100	None Detected
24C / 1256034	Tan Mastic	Chapel	black	Non-Fibrous 100	None Detected
25A / 1256035	Vinyl 18"x32" Flooring	A-2 Booth	multi	Non-Fibrous 100	None Detected
25B / 1256036	Vinyl 18"x32" Flooring	A-2 Booth	multi	Non-Fibrous 100	None Detected
25C / 1256037	Vinyl 18"x32" Flooring	A-2 Booth	multi	Non-Fibrous 100	None Detected
26A / 1256038	Black Window Glaze	A-2 Booth	multi	Non-Fibrous 100	None Detected

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

Wednesday 27 March 2024

Analyzed by:  **Batch:** 114091

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
26B / 1256039	Black Window Glaze	A-2 Booth	multi	Non-Fibrous 100	None Detected
26C / 1256040	Black Window Glaze	A-2 Booth	multi	Non-Fibrous 100	None Detected
27A / 1256041	Plaster Cove (Outer)	Storage Closet and by Gate 2	yellow	Non-Fibrous 100	None Detected
27B / 1256042	Plaster Cove (Outer)	Storage Closet and by Gate 2	yellow	Non-Fibrous 100	None Detected
27C / 1256043	Plaster Cove (Outer)	Storage Closet and by Gate 2	yellow	Non-Fibrous 100	None Detected
28A / 1256044	Plaster Wall (Inner)	Storage Closet and by Gate 2	multi	Non-Fibrous 100	None Detected
28B / 1256045	Plaster Wall (Inner)	Storage Closet and by Gate 2	multi	Non-Fibrous 100	None Detected
28C / 1256046	Plaster Wall (Inner)	Storage Closet and by Gate 2	multi	Non-Fibrous 100	None Detected
29A / 1256047	TSI Mud End	By Exit Door 3	black	Non-Fibrous 100	None Detected
29B / 1256048	TSI Mud End	By Exit Door 3	black	Cellulose 90 Non-Fibrous 10	None Detected
29C / 1256049	TSI Mud End	By Exit Door 3	black	Cellulose 90 Non-Fibrous 10	None Detected
30A / 1256050	TSI	By Exit Door 3	gray	Cellulose 90 Non-Fibrous 10	None Detected
30B / 1256051	TSI	By Exit Door 3	gray	Fiberglass 20 Cellulose 40 Non-Fibrous 40	None Detected
30C / 1256052	TSI	By Exit Door 3	gray	Fiberglass 20 Cellulose 40 Non-Fibrous 40	None Detected
31A / 1256053	Gray Window Caulk (6"x5" Windows)	Kitchen	white	Fiberglass 20 Cellulose 40 Non-Fibrous 40	None Detected
31B / 1256054	Gray Window Caulk (6"x5" Windows)	Kitchen	white	Non-Fibrous 100	None Detected

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

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6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
31C / 1256055	Gray Window Caulk (6"x5" Windows)	Kitchen	white	Non-Fibrous 100	None Detected
32A / 1256056	Gray Window Caulk (6"x5" Windows)	Corridor One Cafe	gray	Non-Fibrous 100	None Detected
32B / 1256057	Gray Window Caulk (6"x5" Windows)	Corridor One Cafe	gray	Non-Fibrous 100	None Detected
32C / 1256058	Gray Window Caulk (6"x5" Windows)	Corridor One Cafe	gray	Non-Fibrous 100	None Detected
33A / 1256059	TSI Covering by Exterior Wall	Old Receiving Area	white	Fiberglass 75 Non-Fibrous 25	None Detected
33B / 1256060	TSI Covering by Exterior Wall	Old Receiving Area	white	Fiberglass 75 Non-Fibrous 25	None Detected
33C / 1256061	TSI Covering by Exterior Wall	Old Receiving Area	white	Fiberglass 75 Non-Fibrous 25	None Detected
34A / 1256062	Plaster	Old Receiving Area	gray	Non-Fibrous 100	None Detected
34B / 1256063	Plaster	Old Receiving Area	gray	Non-Fibrous 100	None Detected
34C / 1256064	Plaster	Old Receiving Area	gray	Non-Fibrous 100	None Detected
35A / 1256065	Brown Floor Tile	Classroom 5 Back of Offices	brown	Non-Fibrous 97	**Detected** **Chrysotile 3**
35B / 1256066	Brown Floor Tile	Classroom 5 Back of Offices			Not Analyzed
35C / 1256067	Brown Floor Tile	Classroom 5 Back of Offices			Not Analyzed
36A / 1256068	Black Mastic	Classroom 5 Back of Offices	multi	Non-Fibrous 100	None Detected
36B / 1256069	Black Mastic	Classroom 5 Back of Offices	multi	Non-Fibrous 100	None Detected
36C / 1256070	Black Mastic	Classroom 5 Back of Offices	multi	Non-Fibrous 100	None Detected
37A / 1256071	Glue on Rug	Programs Office (Social Workers)	yellow	Non-Fibrous 100	None Detected

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Project Information
#2130.0
WCSO (Main Building)

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FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
37B / 1256072	Glue on Rug	Programs Office (Social Workers)	yellow	Non-Fibrous 100	None Detected
37C / 1256073	Glue on Rug	Programs Office (Social Workers)	yellow	Non-Fibrous 100	None Detected
38A / 1256074	White 12"x12" W/ Dark Speaks	Program Offices	multi	Non-Fibrous 96	Detected Chrysotile 4
38B / 1256075	White 12"x12" W/ Dark Speaks	Program Offices			Not Analyzed
38C / 1256076	White 12"x12" W/ Dark Speaks	Program Offices			Not Analyzed
39A / 1256077	Tan Mastic	Program Offices	multi	Non-Fibrous 95	Detected Chrysotile 5
39B / 1256078	Tan Mastic	Program Offices			Not Analyzed
39C / 1256079	Tan Mastic	Program Offices			Not Analyzed
40A / 1256080	Gray Floor Tile	Old Infirmary	gray	Non-Fibrous 100	None Detected
40B / 1256081	Gray Floor Tile	Old Infirmary	gray	Non-Fibrous 100	None Detected
40C / 1256082	Gray Floor Tile	Old Infirmary	gray	Non-Fibrous 100	None Detected
40D / 1256083	Gray Floor Tile	Old Infirmary	gray	Non-Fibrous 100	None Detected
40E / 1256084	Gray Floor Tile	Old Infirmary	gray	Non-Fibrous 100	None Detected
41A / 1256085	Tan Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected
41B / 1256086	Tan Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected
41C / 1256087	Tan Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected
41D / 1256088	Tan Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected

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Wednesday 27 March 2024

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6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
41E / 1256089	Tan Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected
42A / 1256090	Off-White Floor Tile	Old Infirmary	tan	Non-Fibrous 98	**Detected** Chrysotile 2
42B / 1256091	Off-White Floor Tile	Old Infirmary			Not Analyzed
42C / 1256092	Off-White Floor Tile	Old Infirmary			Not Analyzed
42D / 1256093	Off-White Floor Tile	Old Infirmary			Not Analyzed
42E / 1256094	Off-White Floor Tile	Old Infirmary			Not Analyzed
43A / 1256095	Black Mastic	Old Infirmary	black	Non-Fibrous 95	**Detected** Chrysotile 5
43B / 1256096	Black Mastic	Old Infirmary			Not Analyzed
43C / 1256097	Black Mastic	Old Infirmary			Not Analyzed
43D / 1256098	Black Mastic	Old Infirmary			Not Analyzed
43E / 1256099	Black Mastic	Old Infirmary			Not Analyzed
44A / 1256100	Black Cove Molding	Old Infirmary	black	Non-Fibrous 100	None Detected
44B / 1256101	Black Cove Molding	Old Infirmary	black	Non-Fibrous 100	None Detected
44C / 1256102	Black Cove Molding	Old Infirmary	black	Non-Fibrous 100	None Detected
45A / 1256103	Off-White Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected
45B / 1256104	Off-White Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected
45C / 1256105	Off-White Mastic	Old Infirmary	tan	Non-Fibrous 100	None Detected

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Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
46A / 1256106	Black Window Glaze	Old Infirmary	gray	Non-Fibrous 98	Detected Chrysotile 2
46B / 1256107	Black Window Glaze	Old Infirmary			Not Analyzed
46C / 1256108	Black Window Glaze	Old Infirmary			Not Analyzed
47A / 1256109	Gray Floor Tile	Gym Office	gray	Non-Fibrous 100	None Detected
47B / 1256110	Gray Floor Tile	Gym Office	gray	Non-Fibrous 100	None Detected
47C / 1256111	Gray Floor Tile	Gym Office	gray	Non-Fibrous 100	None Detected
48A / 1256112	Tan Mastic	Gym Office	tan	Non-Fibrous 100	None Detected
48B / 1256113	Tan Mastic	Gym Office	tan	Non-Fibrous 100	None Detected
48C / 1256114	Tan Mastic	Gym Office	tan	Non-Fibrous 100	None Detected
49A / 1256115	Gray Floor Tile	Main Control Booth	gray	Non-Fibrous 100	None Detected
49B / 1256116	Gray Floor Tile	Main Control Booth	gray	Non-Fibrous 100	None Detected
49C / 1256117	Gray Floor Tile	Main Control Booth	gray	Non-Fibrous 100	None Detected
50A / 1256118	Tan Mastic	Main Control Booth	tan	Non-Fibrous 100	None Detected
50B / 1256119	Tan Mastic	Main Control Booth	tan	Non-Fibrous 100	None Detected
50C / 1256120	Tan Mastic	Main Control Booth	tan	Non-Fibrous 100	None Detected
51A / 1256121	Drywall	Maintenance	gray	Non-Fibrous 100	None Detected
51B / 1256122	Drywall	Maintenance	gray	Non-Fibrous 100	None Detected

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Natick, MA 01760

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WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
51C / 1256123	Drywall	Maintenance	gray	Non-Fibrous 100	None Detected
52A / 1256124	Drywall Coating	Maintenance	white	Non-Fibrous 100	None Detected
52B / 1256125	Drywall Coating	Maintenance	white	Non-Fibrous 100	None Detected
52C / 1256126	Drywall Coating	Maintenance	white	Non-Fibrous 100	None Detected
53A / 1256127	White Sand Coating	Ceiling Pipes in Maxi B	white	Non-Fibrous 100	None Detected
53B / 1256128	White Sand Coating	Ceiling Pipes in Maxi B	white	Non-Fibrous 100	None Detected
53C / 1256129	White Sand Coating	Ceiling Pipes in Maxi B	white	Non-Fibrous 100	None Detected
53D / 1256130	White Sand Coating	Ceiling Pipes in Maxi B	white	Non-Fibrous 100	None Detected
53E / 1256131	White Sand Coating	Ceiling Pipes in Maxi B	white	Non-Fibrous 100	None Detected
53F / 1256132	White Sand Coating	Ceiling Pipes in Maxi B	white	Non-Fibrous 100	None Detected
53G / 1256133	White Sand Coating	Ceiling Pipes in Maxi B	white	Non-Fibrous 100	None Detected
54A / 1256134	Pipe Cover	Maxi B Tunnel	multi	Fiberglass 90 Non-Fibrous 10	None Detected
54B / 1256135	Pipe Cover	Maxi B Tunnel	multi	Fiberglass 90 Non-Fibrous 10	None Detected
54C / 1256136	Pipe Cover	Maxi B Tunnel	multi	Fiberglass 90 Non-Fibrous 10	None Detected
55A / 1256137	TSI Mud End	Maxi B Tunnel	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
55B / 1256138	TSI Mud End	Maxi B Tunnel	multi	Fiberglass 80 Non-Fibrous 20	None Detected
55C / 1256139	TSI Mud End	Maxi B Tunnel	multi	Fiberglass 80 Non-Fibrous 20	None Detected

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

Wednesday 27 March 2024

Analyzed by: 

Batch: 114091

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Main Building)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
56A / 1256140	Red Fireproof Sealant	Maxi B Tunnel	red	Non-Fibrous 98	**Detected** Chrysotile **2**
56B / 1256141	Red Fireproof Sealant	Maxi B Tunnel			Not Analyzed
56C / 1256142	Red Fireproof Sealant	Maxi B Tunnel			Not Analyzed
57A / 1256143	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices	gray	Fiberglass 90 Cellulose 5 Non-Fibrous 3	**Detected** Chrysotile **2**
57B / 1256144	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed
57C / 1256145	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed
57D / 1256146	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed
57E / 1256147	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed
57F / 1256148	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed
57G / 1256149	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed
57H / 1256150	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed
57I / 1256151	White Dotted W/ Squiggles Ceiling Tile	Front Lobby, Sheriff's Office, & Programs Offices			Not Analyzed

Sampled: February 26, 2024 **Received:** March 20, 2024 **Analyzed:** March 26, 2024

Wednesday 27 March 2024

Analyzed by: 

Batch: 114091

CHAIN OF CUSTODY

EPA/600/R-93/116

Page 1 of 40

Client: CDW Consultants Inc.

Address: 4 California Ave, Framingham, MA.

Project Site & #: WCSO (Main Building) #2130.0

Phone / email address: bdana@cdwconsultants.com

Contact: Bryant Dana

Relinquish by/date:

Received by/date: 2/28/24

# of Samples Received: 197

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/26/24

BATCH#

Rev 01/24

Turnaround Time		Sample Method	
[ ]	Less 3 Hrs	[X]	Bulk
[ ]	Same Day	[ ]	Soil
[ ]	Next Day	[ ]	Wipe
[ ]	Two Day	[ ]	Point Count
[X]	Three Day (NO RUSH)	[ ]	NOB

Stop on 1st Positive? (Yes) / No

Analyzed By: [signature]

Date: 3/26/24

Temp in Celsius = 20

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	∥	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1255955	1A	Material: Gray Cove Molding Location: Main Building Front Lobby	0	gy	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
56	1B	Material: " " Location: " "	0	gy	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
57	1C	Material: " " Location: " "	0	gy	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
58	2A	Material Off-White Mastic Location Front Lobby	0	gy	y	g	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
59	2B	Material - - Location - -	0	gy	y	g	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
60	2C	Material - - Location - -	0	gy	y	g	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
61	3A	Material Concrete Coating Location Front Lobby	0	gy	y	s	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100
62	3B	Material - - Location - -	0	gy	y	g	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
63	3C	Material ~ ~						Chrysotile															
								Amosite															
								Crocidolite															
		Location ~ ~	0	gy	y	g	w	Tremolite															bo
								Anthophyllite															
								Actinolite															
64	4A	Material Plaster Wall						Chrysotile															
								Amosite															
								Crocidolite															
		Location Front Lobby	0	w	y	g	y	Tremolite															bo
								Anthophyllite															
								Actinolite															
65	4B	Material ~ ~						Chrysotile															
								Amosite															
								Crocidolite															
		Location ~ ~	0	w	y	g	y	Tremolite															1a
								Anthophyllite															
								Actinolite															
66	4C	Material ~ ~						Chrysotile															
								Amosite															
								Crocidolite															
		Location ~ ~	0	w	y	g	y	Tremolite															1a
								Anthophyllite															
								Actinolite															
67	4D	Material ~ ~						Chrysotile															
								Amosite															
								Crocidolite															
		Location ~ ~	0	w	y	g	b	Tremolite															1a
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
68	4E	Material Location	5	W	g	g	g	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
69	5A	Material Tan Plaster Covering Location Above Ceiling Front Lobby	2	gy	h	s	g	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
70	5B	Material Location	2	gy	h	s	g	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
71	5C	Material Location	2	gy	h	s	g	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
72	5D	Material Location	2	gy	h	s	g	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
73	5E	Material Location	0	gy	y	g	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
74	CA	Material Paper TSI Wrap on pipe Location Above Ceiling Front Lobby	0	T	y	f	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										P b		R T				2
75	6B	Material Location	0	T	y	F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										P 10		R T				20
76	CC	Material Location	0	T	y	F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										T 10		R T				20
77	7A	Material Glue on Fiberglass wrap on duct Location Above Ceiling Front Lobby	0	T	y	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
78	7B	Material - - Location - -	0	T	H	G	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
79	7C	Material - - Location - -	0	T	H	G	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
80	8A	Material Brown Caulking around Window Unit by offices Location Front Lobby	0	BK	H	G	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
81	8B	Material - - Location - -	0	BK	H	G	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
82	8C	Material - - Location - -	0	BK	H	G	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI ∥	RI ⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
83	9A	Material Brown Window glaze Location Windows around Control Booth 1 in Front Lobby	0	gy	y	g	N	Chrysotile	5	✓	[illegible]	+	lw	[illegible]	1.55	1.54							95	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
84	9B	Material " " Location " "						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
85	9C	Material " " Location " "						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
86	10A	Material Brown Window glaze Location Fisher Conference Room 6"x6' Windows	0	gy	y	g	N	Chrysotile	2	✓	[illegible]	+	lw	N	Nf	Nf							98	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
87	10B	Material " " Location " "						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
88	10C	Material - - / Location - -						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
89	11A	Material Tan glue under rug / Location Fisher Conference Room / Front Lobby Sheriffs offices	O	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
90	11B	Material - - / Location - -	O	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
91	11C	Material - - / Location - -	O	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
92	11D	Material - - / Location - -	O	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															

DNA

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
93	11E	Material - / Location -	C	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
94	12A	Material Yellow Sand Coating / Location WCSO vault	O	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
95	12B	Material - / Location -	O	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
96	12C	Material - / Location -	O	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
97	13A	Material White w/ gray specks floor tile / Location Sheriffs office	O	W	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
98	13B	Material Location	O	W	Y	G	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite															100	
								Anthophyllite																
								Actinolite																
99	13C	Material Location	O	W	Y	G	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite															100	
								Anthophyllite																
								Actinolite																
80	14A	Material Black mastic Location Sheriff's Office	O	BK	Y	G	N	Chrysotile	3	W	P	+	L	N	1.551	1.550								
								Amosite																
								Crocidolite																
								Tremolite															97	
								Anthophyllite																
								Actinolite																
81	14B	Material Location	~~O~~	~~BK~~	~~Y~~	~~G~~	~~N~~	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
82	14C	Material Location	~~O~~	~~BK~~	~~Y~~	~~G~~	~~N~~	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
03	15A	Material Gray Cewlk around Door Unit Location Exit Door by Fisk Conference	O	GY	Y	G	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
04	15B	Material Location	O	GY	Y	G	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
05	15C	Material Location	O	GY	Y	G	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
06	16A	Material Popcorn Finish Covering Location Visting Room	O	M	N	G	N	Chrysotile																
								Amosite																
								Crocidolite												R				
								Tremolite												S				95
								Anthophyllite																
								Actinolite																
07	16B	Material Location	O	M	N	G	N	Chrysotile																
								Amosite																
								Crocidolite												R				
								Tremolite												S				95
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
08	16C	Material Location	O	M	N	G	N	Chrysotile	2	C	P	+	L	N	1557	1556							98	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
09	16D	Material Location	~~O~~	~~M~~	~~N~~	~~G~~	~~N~~	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
10	16E	Material Location	~~O~~	~~M~~	~~N~~	~~G~~	N	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
01	17A	Material White w/ off-white specks Floor tile Location Chapel	O	M	N	G	N	Chrysotile	2	C	P	+	L	N	1551	1556							98	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
12	17B	Material Location	~~O~~	~~M~~	~~N~~	~~G~~	~~N~~	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
13	17C	Material — / Location —	O	M	N	G	N	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
14	18A	Material Black mastic / Location Chapel	O	BK	Y	G	N	Chrysotile	B	W	P	+	L	N	1.55	1.556							94	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
15	18B	Material — / Location —	O	BK	Y	G	N	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
16	18C	Material — / Location —	O	BK	Y	G	N	Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
17	19A	Material Popcorn Finish Covering / Location Chapel	O	T	Y	G	N	Chrysotile																
								Amosite																
								Crocidolite											R					
								Tremolite											S				95	
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
18	19B	Material Location	C	T	Y	S	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
19	19C	Material Location	C	T	Y	S	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
20	20A	Material Off-white/ Grey Speckled floor tile (Top layer) Location Chapel (Hallway)	O	Gy	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
21	20B	Material Location	O	Gy	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
22	20C	Material Location	O	Gy	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
23	21A	Material Tan mastic between floor tiles Location Chapel (Hallway)	O	Y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
24	21B	Material Location	O	Y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
25	21C	Material Location	O	Y	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
26	22A	Material Off-white floor tile (Bottom layer) Location Chapel (Hallway)	O	T	Y	GN	N	Chrysotile	4	W	P	+	L	N	1.55	1.545							
								Amosite															
								Crocidolite															
								Tremolite															96
								Anthophyllite															
								Actinolite															
27	22B	Material Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															DNA
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
28	22C	Material ~ - Location -						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
29	23A	Material Black Cove Molding Location Chapel	O	BK	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
30	23B	Material ~ - Location ~ -	O	BK	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
31	23C	Material ~ - Location ~ -	O	BK	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
32	24A	Material Tan Mastic Location Chapel	O	T	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															

DNA

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
33	24B	Material ~ . Location ~ .	O	T	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
34	24C	Material ~ - Location ~ -	O	T	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
35	25A	Material Vinyl 18"x32" flooring Location A-Z Booth	O	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
36	25B	Material ~ ^ Location ~ .	O	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
37 38	25C	Material ~ . Location ~ -	O	M	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
37 38	26A	Material Black Window glaze Location A-2 Booth	O	BK	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
38 39	26B	Material - Location -	O	BK	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
40 34	26C	Material - Location -	O	BK	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
41 40	27A	Material Plaster Cove (Coutor) Location Storage Closet and by gate 2	O	M	N	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
42 41	27B	Material - Location -	O	M	N	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
43 42	27C	Material - - Location - -	O	M	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
44 43	28A	Material Plaster Wall (Inner) Location Storage closet and by gate 2	O	M	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
45 44	28B	Material - - Location - -	O	M	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
46 45	28C	Material - - Location - -	O	M	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
47 46	29A	Material TSI mud End Location by Exit Door 3	O	Y	N	F	Y	Chrysotile															
								Amosite															
								Crocidolite												R			
								Tremolite															
								Anthophyllite												90			
								Actinolite															10

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
47	29B	Material Location	O	Y	N	F	Y	Chrysotile											R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite											90				10
48	29C	Material Location	O	Y	N	F	Y	Chrysotile											R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite											90				10
49	30A	Material TSI Location by Exit Door 3	O	M	N	GN/F	Y	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											40				40
50	30B	Material Location	O	M	N	GN/F	Y	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											40				40
51	30C	Material Location	O	M	N	GN/F	Y	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite															
								Actinolite											40				40

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
53	31A	Material Black Window Caulk (6"x5' Windows) Location Kitchen	0	BLK	2	gr	2	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
54	31B	Material — Location —	0	BLK	2	gr	2	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
55	31C	Material — Location —	0	BLK	2	gr	2	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
56	32A	Material Grey Window Caulk (6"x5' Windows) Location Corridor One ~~Suite 1~~ Cafe	0	gy	2	gr	2	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
57	32B	Material — Location —	0	gy	2	gr	2	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
58 57	32C	Material - - / Location - -	0	95	2	95	2	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
59 58	33A	Material TSI Covering by Exterior wall / Location Old Receiving Area	0	3	2	F	2	Chrysotile															
								Amosite															
								Crocidolite									1						
								Tremolite															
								Anthophyllite									75						25
								Actinolite															
60 59	33B	Material - - / Location - -	0	3	2	F	2	Chrysotile															
								Amosite															
								Crocidolite									1						
								Tremolite															
								Anthophyllite									75						25
								Actinolite															
61 60	33C	Material - - / Location - -	0	3	2	F	2	Chrysotile															
								Amosite															
								Crocidolite									1						
								Tremolite															
								Anthophyllite									75						25
								Actinolite															
62 61	34A	Material Plaster / Location Old Receiving Area	0	95	2	95	2	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
63	34B	Material / Location	0	gy	~	gr	~	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
64	34C	Material / Location	0	gy	~	gr	~	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
65	35A	Material Brown Floor tile / Location Classroom 5 back offices	0	Br	~	gr	~	Chrysotile	3	w	p	+	L	2	1.551	1.543							
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															97
66	35B	Material / Location						Chrysotile															
								Amosite															
								Crocidolite															DNA
								Tremolite															
								Anthophyllite															
								Actinolite															
67	35C	Material / Location						Chrysotile															
								Amosite															
								Crocidolite															DNA
								Tremolite															
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	II	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
67	36A	Material Black Mastic Location Classroom 5 Back office	0	m	2	gr	2	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
68	36B	Material " Location "	0	m	2	gr	2	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
69	36C	Material " Location "	0	m	2	gr	2	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
70	37A	Material Glue on Rug Location Programs office (Social Workers)	0	g	2	gr	2	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
71	37B	Material " Location "	0	g	2	gr	2	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: II	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
93	37C	Material ~ / Location ~	0	y	~	gr	~	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite															100	
94	38A	Material White 12x12" w/ Dark specks / Location Programs offices	0	w	~	gr	~	Chrysotile	9	w	p	+	L	N	1.551	1.543								
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite															90	
95	38B	Material ~ / Location ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
96	38C	Material ~ / Location ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
97	39A	Material Tan Mastic / Location Programs offices	0	w	~	gr	~	Chrysotile	5	w	p	+	L	N	1.551	1.543								
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite															95	

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
78 (~~77~~)	39B	Material ~ ~ Location ~ ~						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DNA
79 (~~78~~)	39C	Material ~ ~ Location ~ ~						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DNA
80 (~~79~~)	40A	Material Gray Floor tile Location Old Infirmary	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	~~[illegible]~~		~~[illegible]~~				~~[illegible]~~								[illegible]	[illegible] 3/[illegible]
81 (~~80~~)	40B	Material ~ ~ Location ~ ~	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															[illegible]	~~DNA~~ [illegible] 3/[illegible]
82 (~~81~~)	40C	Material ~ ~ Location ~ ~	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															[illegible]	~~DNA~~ 3/[illegible] [illegible]

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
83	40D	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
84	40E	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
85	41A	Material Tan mastic Location Old Infirmary						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
86	41B	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
87	41C	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
87	41D	Material Location	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
88	41E	Material Location	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
89	42A	Material Off-white Floor tile Location old Infirmary	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
90	42B	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
91	42C	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location (Temp in Celcius = ____)	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI ∥	RI ⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
93 (92)	42D	Material " " Location " "						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																Qns
94 (93)	42E	Material " " Location " "						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																Qns
95 (94)	43A	Material Black mastic Location Old Infirmary		Black	O	~	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	5~ (Chrysotile)	/	∥	+	L	~	1.55	1.55							95	
96 (95)	43B	Material " " Location " "						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																Qns
97 (96)	43C	Material " " Location " "						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																Qns

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
98 97	43D	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															RMA
99 98	43E	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															RMA
00 99	44A	Material Black Cove Molding Location Old Infirmary						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															✓
01 00	44B	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															✓
02 01	44C	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															✓

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Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI ‖	RI ⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
03 / 02	45A	Material off-white mastic; Location Old Infirmary	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile															[illegible]
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
04 / 03	45B	Material " "; Location " "	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile															[illegible]
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
05 / 04	43C	Material " "; Location " "	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile															[illegible]
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
06 / 05	46A	Material Black window glaze; Location Old Infirmary	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	1.55	[illegible]							98
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
07 / 06	46B	Material " "; Location " "						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															

Temp in Celcius = ____

[illegible]

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
08 69	46C	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DMS
09 70	47A	Material Gray Floor tile Location Gym office	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															1%	
10 71	47B	Material Location	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															1%	
11 72	47C	Material Location	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															1%	
12 73	48A	Material Tan Mastic Location Gym office	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															1%	

	Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ‖	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
13	48	48B	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																
14	48	48C	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																
15	49	49A	Material Gray Floor tile Location Main Control Booth						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																
16	49	49D	Material Location "						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																
17	49	49C	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
~~17~~ 18	50A	Material Tan mastic Location Main Control Booth	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															[illegible]
~~18~~ 19	50B	Material – – Location – –	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															[illegible]
~~19~~ 20	50C	Material – – Location –	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															[illegible]
~~20~~ 21	51A	Material Drywall Location Maintenace	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
~~21~~ 22	51B	Material – – Location –	0	[illegible]	[illegible]	[illegible]	[illegible]	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

	Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
23	72	51C	Material Location	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
24	73	52A	Material Coating Drywall Location Maintenece	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
25	74	52B	Material Location	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
26	75	52C	Material Location	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
27	76	53A	Material White Sand Coating Location Ceiling / Pipes in Maxi B	0					Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
28 37	53B	Material / Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
29 38	53C	Material / Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
30 39	53D	Material / Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
31 40	53E	Material / Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
32 41	53F	Material / Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
33	53G	Material Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															13
								Anthophyllite															
								Actinolite															
34	33	Material Pipe Cover Location Maxi B tunnel						Chrysotile															
	54A							Amosite									2						
								Crocidolite															
								Tremolite									90						10
								Anthophyllite															
								Actinolite															
35	34	Material Location						Chrysotile															
	54B							Amosite									8						
								Crocidolite															
								Tremolite									90						10
								Anthophyllite															
								Actinolite															
36	35	Material Location						Chrysotile															
	54C							Amosite									8						
								Crocidolite															
								Tremolite															
								Anthophyllite									90						10
								Actinolite															
37	36	Material TSI mud End Location Maxi B tunnel						Chrysotile															
	53A							Amosite									2						
								Crocidolite															
								Tremolite									95						5
								Anthophyllite															
								Actinolite															

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Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location (Temp in Celcius = ____)	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI ∥	RI ⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
38 / 37	55B	Material – –	0	Y ML	N	RY		Chrysotile									8							Reb 3/26/24
								Amosite																
								Crocidolite																
		Location – –						Tremolite									80						20	
								Anthophyllite																
								Actinolite																
39 / 38	53C	Material – –	0	Y ML	N	RY		Chrysotile									8							Reb
								Amosite																
								Crocidolite																
		Location – –						Tremolite									80						20	3/26/24
								Anthophyllite																
								Actinolite																
40 / 39	56A	Material Red Fire proof Sealant	0	R	N	[illegible]		Chrysotile	2	W	=	+	–	N	[illegible]	NM								
								Amosite																
								Crocidolite																
		Location Maxi B tunnel						Tremolite																
								Anthophyllite															98	
								Actinolite																
41 / 40	5CB	Material – –						Chrysotile																
								Amosite																
								Crocidolite																
		Location – –						Tremolite																DNA
								Anthophyllite																
								Actinolite																
42 / 41	5CC	Material – –						Chrysotile																
								Amosite																DNA
								Crocidolite																
		Location – –						Tremolite																
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location (Temp in Celcius = ____)	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI ∥	RI ⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
43 / 42	57A	Material White Dotted w/ Squiggles Ceiling tile Location Front Lobby, Sheriff's offices, Programs offices,	0	99	N	R		Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	~	~	~	~	~	~	[illegible]	[illegible]	40		5				3	
44 / 43	57B	Material ~ - Location ~ -						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DNA
45 / 44	57C	Material ~ - Location ~ .						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DNA
46 / 45	57D	Material ~ - Location ~ .						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DNA
47 / 46	57E	Material ~ . Location ~ .						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DNA

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
48 ~~47~~	57F	Material – –						Chrysotile																DNA
								Amosite																
								Crocidolite																
		Location – –						Tremolite																
								Anthophyllite																
								Actinolite																
49 ~~48~~	57G	Material – –						Chrysotile																DNA
								Amosite																
								Crocidolite																
		Location – –						Tremolite																
								Anthophyllite																
								Actinolite																
50 ~~49~~	57H	Material – –						Chrysotile																DNA
								Amosite																
								Crocidolite																
		Location – –						Tremolite																
								Anthophyllite																
								Actinolite																
1206151 ~~50~~	57I	Material – –						Chrysotile																DNA
								Amosite																
								Crocidolite																
		Location – –						Tremolite																
								Anthophyllite																
								Actinolite																
		Material						Chrysotile																
								Amosite																
								Crocidolite																
		Location						Tremolite																
								Anthophyllite																
								Actinolite																

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 112940

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A 1240552	White Ceiling Covering	Hallways	white	Non-Fibrous 100	None Detected
1B 1240553	White Ceiling Covering	Hallways	white	Non-Fibrous 100	None Detected
1C 1240554	White Ceiling Covering	Hallways	white	Non-Fibrous 100	None Detected
1D 1240555	White Ceiling Covering	Hallways	white	Non-Fibrous 100	None Detected
1E 1240556	White Ceiling Covering	Hallways	white	Non-Fibrous 100	None Detected
1F 1240557	White Ceiling Covering	Hallways	white	Non-Fibrous 100	None Detected
1G 1240558	White Ceiling Covering	Hallways	white	Non-Fibrous 100	None Detected
2A 1240559	Window Frame Caulk	Cells, Hallways, Common Rock	gray	Non-Fibrous 100	None Detected
2B 1240560	Window Frame Caulk	Cells, Hallways, Common Rock	gray	Non-Fibrous 100	None Detected
2C 1240561	Window Frame Caulk	Cells, Hallways, Common Rock	gray	Non-Fibrous 100	None Detected
2D 1240562	Window Frame Caulk	Cells, Hallways, Common Rock	gray	Non-Fibrous 100	None Detected
2E 1240563	Window Frame Caulk	Cells, Hallways, Common Rock	gray	Non-Fibrous 100	None Detected
3A 1240564	Light Tan Floor Tile	Janitor Closet w/ Fridge	tan	Non-Fibrous 94	**Detected** **Chrysotile 6**
3B 1240565	Light Tan Floor Tile	Janitor Closet w/ Fridge			Not Analyzed
3C 1240566	Light Tan Floor Tile	Janitor Closet w/ Fridge			Not Analyzed
4A 1240567	Black Mastic under Light Tan FT	Janitors Closet w/ Fridge	black	Non-Fibrous 92	**Detected** **Chrysotile 8**
4B 1240568	Black Mastic under Light Tan FT	Janitors Closet w/ Fridge			Not Analyzed

Sampled: February 28, 2024 **Received:** March 04, 2024 **Analyzed:** March 04, 2024

Wednesday 06 March 2024

Analyzed by: Valerie Jaquette **Batch:** 112940

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
4C 1240569	Black Mastic under Light Tan FT	Janitors Closet w/ Fridge			Not Analyzed
5A 1240570	Dark Tan Floor Tile	Janitors Closet w/ Fridge	brown	Non-Fibrous 97	**Detected** **Chrysotile 3**
5B 1240571	Dark Tan Floor Tile	Janitors Closet w/ Fridge			Not Analyzed
5C 1240572	Dark Tan Floor Tile	Janitors Closet w/ Fridge			Not Analyzed
6A 1240573	Black Mastic under Dark Tan FT	Janitors Closet w/ Fridge	black	Non-Fibrous 95	**Detected** **Chrysotile 5**
6B 1240574	Black Mastic under Dark Tan FT	Janitors Closet w/ Fridge			Not Analyzed
6C 1240575	Black Mastic under Dark Tan FT	Janitors Closet w/ Fridge			Not Analyzed
7A 1240576	White Textured Covering	On Pipes in Meeting Room/Hallways	white	Non-Fibrous 100	None Detected
7B 1240577	White Textured Covering	On Pipes in Meeting Room/Hallways	white	Non-Fibrous 100	None Detected
7C 1240578	White Textured Covering	On Pipes in Meeting Room/Hallways	white	Non-Fibrous 100	None Detected
7D 1240579	White Textured Covering	On Pipes in Meeting Room/Hallways	white	Non-Fibrous 100	None Detected
7E 1240580	White Textured Covering	On Pipes in Meeting Room/Hallways	white	Non-Fibrous 100	None Detected
8A 1240581	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
8B 1240582	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
8C 1240583	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
8D 1240584	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
8E 1240585	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 04, 2024 **Analyzed:** March 04, 2024

Wednesday 06 March 2024

Analyzed by: Valerie Jaouette **Batch:** 112940

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
8F 1240586	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
8G 1240587	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
8H 1240588	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
8I 1240589	Sheetrock	Cell Walls, Office Walls. Hallway Walls	white	Non-Fibrous 100	None Detected
9A 1240590	Pipe Insulation	Center Pipe in Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
9B 1240591	Pipe Insulation	Center Pipe in Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
9C 1240592	Pipe Insulation	Center Pipe in Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
9D 1240593	Pipe Insulation	Center Pipe in Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
9E 1240594	Pipe Insulation	Center Pipe in Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
10A 1240595	Pipe Covering	Center Pipe in Pit in Lobby	multi	Fiberglass 40 Cellulose 40 Non-Fibrous 20	None Detected
10B 1240596	Pipe Covering	Center Pipe in Pit in Lobby	multi	Fiberglass 40 Cellulose 40 Non-Fibrous 20	None Detected
10C 1240597	Pipe Covering	Center Pipe in Pit in Lobby	multi	Fiberglass 40 Cellulose 40 Non-Fibrous 20	None Detected
10D 1240598	Pipe Covering	Center Pipe in Pit in Lobby	multi	Fiberglass 40 Cellulose 40 Non-Fibrous 20	None Detected
10E 1240599	Pipe Covering	Center Pipe in Pit in Lobby	multi	Fiberglass 40 Cellulose 40 Non-Fibrous 20	None Detected
11A 1240600	Pipe Insulation	Inner Side of Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
11B 1240601	Pipe Insulation	Inner Side of Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected

Sampled: February 28, 2024 **Received:** March 04, 2024 **Analyzed:** March 04, 2024

Wednesday 06 March 2024

Analyzed by: Valerie Jaquette **Batch:** 112940

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
11C / 1240602	Pipe Insulation	Inner Side of Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
11D / 1240603	Pipe Insulation	Inner Side of Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
11E / 1240604	Pipe Insulation	Inner Side of Pit in Lobby	yellow	Fiberglass 95 Non-Fibrous 5	None Detected
12A / 1240605	Pipe Covering	Inner Side of Pit in Lobby	white	Fiberglass 70 Non-Fibrous 30	None Detected
12B / 1240606	Pipe Covering	Inner Side of Pit in Lobby	white	Fiberglass 70 Non-Fibrous 30	None Detected
12C / 1240607	Pipe Covering	Inner Side of Pit in Lobby	white	Fiberglass 70 Non-Fibrous 30	None Detected
12D / 1240608	Pipe Covering	Inner Side of Pit in Lobby	white	Fiberglass 70 Non-Fibrous 30	None Detected
12E / 1240609	Pipe Covering	Inner Side of Pit in Lobby	white	Fiberglass 70 Non-Fibrous 30	None Detected
13A / 1240610	TSI	Pipe in Hallway Towards Large Common Room	yellow	Fiberglass 60 Cellulose 10 Non-Fibrous 30	None Detected
13B / 1240611	TSI	Pipe in Hallway Towards Large Common Room	yellow	Fiberglass 60 Cellulose 10 Non-Fibrous 30	None Detected
13C / 1240612	TSI	Pipe in Hallway Towards Large Common Room	yellow	Fiberglass 60 Cellulose 10 Non-Fibrous 30	None Detected
14A / 1240613	TSI Mud Ends	Pipe in Hallway Towards Large Common Room	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
14B / 1240614	TSI Mud Ends	Pipe in Hallway Towards Large Common Room	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
14C / 1240615	TSI Mud Ends	Pipe in Hallway Towards Large Common Room	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
15A / 1240616	Joint Compound	Hallway	white	Non-Fibrous 100	None Detected
15B / 1240617	Joint Compound	Hallway	white	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 04, 2024 **Analyzed:** March 04, 2024

Wednesday 06 March 2024

Analyzed by: Valerie Jaquette **Batch:** 112940

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
15C 1240618	Joint Compound	Hallway	white	Non-Fibrous 100	None Detected
15D 1240619	Joint Compound	Hallway	white	Non-Fibrous 100	None Detected
15E 1240620	Joint Compound	Hallway	white	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 04, 2024 **Analyzed:** March 04, 2024

Wednesday 06 March 2024

Analyzed by: Valerie Jasmette **Batch:** 112940

CHAIN OF CUSTODY

EPA/600/R-93/116

Page 1 of 15.

Client: CDW Consultants Inc.

Address: 4 California Ave, Framingham, MA 01701

Project Site & #: WCSO /#2130.00

Phone / email address: bdana@cdwconsultants.com

Contact: Bryant Dana

Relinquish by/date: [illegible] 3/4/24

Received by/date:

# of Samples Received: 69

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/28/24

BATCH# 112940

Rev 01/24

Turnaround Time	Sample Method
☐ Less 3 Hrs	☒ Bulk
☐ Same Day	☐ Soil
☐ Next Day	☐ Wipe
☒ Two Day	☐ Point Count
☐ Three Day	☐ NOB

Stop on 1st Positive? (Yes)/No

Analyzed By: Valerie Gaouette

Date: 3/4/24

Temp in Celsius = 22

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1240582	1A	Material: White Ceiling Covering Location: Hallways	0	W	Y	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
83	1B	Material Location	0	W	Y	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
84	1C	Material " " Location " "	0	W	Y	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
55	1D	Material ~ ~ / Location ~ ~	0	W	Y	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
56	1E	Material ~ ~ / Location ~ ~	0	W	Y	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
57	1F	Material ~ ~ / Location ~ ~	0	W	Y	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
58	1G	Material ~ ~ / Location ~ ~	0	W	Y	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
59	2A	Material Window Frame Caulk / Location Cells Hallways Common room.	0	Gy	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ___ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
00	2B	Material ~ ~ Location ^ ~	0	Gy	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
01	2C	Material ~ ~ Location ~ ~	0	Gy	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
02	2D	Material ~ ~ Location ^ ~	0	Gy	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
03	2E	Material ~ ~ Location ~ ~	0	Gy	N	GN	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
04	3A	Material Light Tan Floor tile Location Janitor Closet w/ Fridge	0	T	Y	GN	N	Chrysotile	6	2)	P	+ C	N	1.552	1.596									
								Amosite																
								Crocidolite																
								Tremolite																94
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
65	3B	Material ~ ~ Location ~ ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
66	3C	Material ~ ~ Location ~ ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
67	4A	Material Black Mastic Under Light Tan FT Location Janitor's Closet w/ Fridge	0	BK	N	GN	N	Chrysotile	8	2)	P	+	C	N	1.52	1.546								
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite															92	
68	4B	Material ~ ~ Location ~ ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
69	4C	Material ~ ~ Location ~ ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ‖	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
70	5A	Material Dark Tan Floor tile Location Janitor's Closet w/ Fridge	0	Br	Y	GN	N	Chrysotile	3	W	P	+	L	N	1.552	1.546							97	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
71	5B	Material ~ ~ Location ~ ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
72	5C	Material ~ ~ Location ~ ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
73	6A	Material Black Mastic under Dark Tan FT Location Janitor's Closet w/ Fridge	0	Bk	N	GN	N	Chrysotile	5	W	P	+	L	N	1.552	1.546							95	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
74	6B	Material ~ ~ Location ~ ~						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
75	6C	Material ~ / Location ~						Chrysotile															DNA
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
76	7A	Material White textured Covering / Location On pipes in meeting room / Hallways.	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
77	7B	Material ~ / Location ~	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
78	7C	Material ~ / Location ~	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
79	7D	Material ~ / Location ~	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
80	7E	Material ~ Location ~	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
81	8A	Material Sheetrock Location Cell Walls, Office Walls, Hallway Walls.	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
82	8B	Material ~ Location ~	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
83	8C	Material ~ Location ~	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
84	8D	Material ~ Location ~	0	W	N	GN	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
85	8E	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	GN	y	Tremolite															
								Anthophyllite															
								Actinolite															100
86	8F	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	GN	y	Tremolite															
								Anthophyllite															
								Actinolite															100
87	8G	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	GN	y	Tremolite															
								Anthophyllite															
								Actinolite															100
88	8H	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	GN	y	Tremolite															
								Anthophyllite															
								Actinolite															100
89	8I	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	GN	y	Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties								RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
92	9A	Material Pipe Insulation Location Center Pipe in Pit in Lobby	0	y	N	F	y	Chrysotile									nd						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5
91	9B	Material Location	0	y	N	F	y	Chrysotile									nd						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5
92	9C	Material Location	0	y	N	F	y	Chrysotile									nd						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5
93	9D	Material Location	0	y	N	F	y	Chrysotile									nd						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5
94	9E	Material Location	0	y	N	F	y	Chrysotile									nd						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
9S	10A	Material Pipe Covering Location Center Pipe in Pit in Lobby	0	M	N	GN/F	y	Chrysotile									al		R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									80		40				20
								Actinolite															
9D	10B	Material " Location "	0	M	N	GN/F	y	Chrysotile									al		R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									80		40				20
								Actinolite															
9T	10C	Material " Location "	0	M	N	GN/F	y	Chrysotile									al		R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									80		40				20
								Actinolite															
9R	10D	Material " Location "	0	M	N	GN/F	y	Chrysotile									al		R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									80		40				20
								Actinolite															
9U	10E	Material " Location "	0	M	N	GN/F	y	Chrysotile									al		R				
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									80		40				20
								Actinolite															

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1240800	11A	Material Pipe Insulation Location Inner Side of Pit in Lobby	0	Y	N	F	Y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5
01	11B	Material " " Location " "	0	Y	N	F	Y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5
02	11C	Material " " Location " "	0	Y	N	F	Y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						6
03	11D	Material " " Location " "	0	Y	N	F	Y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5
04	11E	Material " " Location " "	0	Y	N	F	Y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite									95						5

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
25	12A	Material Pipe Covering ~~Insulation~~ BD Location Inner Side of Pit in Lobby	0	W	N	GN/F	y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															
26	12B	Material ″ ″ Location ″ ″	0	W	N	GN/F	y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															
27	12C	Material ″ ″ Location ″ ″	0	W	N	GN/F	y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															
28	12D	Material ″ ″ Location ″ ″	0	W	N	GN/F	y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															
29	12E	Material ″ ″ Location ″ ″	0	W	N	GN/F	y	Chrysotile									rl						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
10	13A	Material TSI Location Pipe in Hallway towards large Common Room	0	Y	N	GN F	Y	Chrysotile															
								Amosite															
								Crocidolite									rl		R				
								Tremolite															
								Anthophyllite															
								Actinolite									60		10				30
11	13B	Material ~ ~ Location ~ ~	0	Y	N	GN F	Y	Chrysotile															
								Amosite															
								Crocidolite									rl		R				
								Tremolite															
								Anthophyllite															
								Actinolite									60		10				30
12	13C	Material ~ ~ Location ~ ~	0	Y	N	GN F	Y	Chrysotile															
								Amosite															
								Crocidolite									rl		R				
								Tremolite															
								Anthophyllite															
								Actinolite									60		10				30
13	14A	Material TSI MUD ENDS Location Pipe in Hallway towards large Common Room	0	Y	N	GN F	Y	Chrysotile															
								Amosite															
								Crocidolite									rl						
								Tremolite															
								Anthophyllite															
								Actinolite									60						40
14	14B	Material ~ ~ Location ~ ~	0	Y	N	GN F	Y	Chrysotile															
								Amosite															
								Crocidolite									rl						
								Tremolite															
								Anthophyllite															
								Actinolite									60						40

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
15	14C	Material ~ ~						Chrysotile									rl						
		Location ~ ~	0	Y	N	GN F	Y	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									60						40
								Actinolite															
16	15A	Material Joint Compound						Chrysotile															
		Location Hallways	0	W	Y	GN	Y	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
17	15B	Material ~ ~						Chrysotile															
		Location ~ ~	0	W	Y	GN	Y	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
18	15C	Material ~ ~						Chrysotile															
		Location ~ ~	0	W	Y	GN	Y	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
19	15D	Material ~ ~						Chrysotile															
		Location ~ ~	0	W	Y	GN	Y	Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Page 15 of 15

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
20	15E	Material ~ ~	0	W	Y	GN	Y	Chrysotile															100
								Amosite															
								Crocidolite															
		Location ~ -						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113422

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#3130.00
WCSO (MODS GYM)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#3130.00
WCSO (MODS GYM)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1247167	Gray Sub Floor	MODS Gym	gray	Cellulose 10 Non-Fibrous 90	None Detected
1B / 1247168	Gray Sub Floor	MODS Gym	gray	Cellulose 10 Non-Fibrous 90	None Detected
1C / 1247169	Gray Sub Floor	MODS Gym	gray	Cellulose 10 Non-Fibrous 90	None Detected
1D / 1247170	Gray Sub Floor	MODS Gym	gray	Cellulose 10 Non-Fibrous 90	None Detected
1E / 1247171	Gray Sub Floor	MODS Gym	gray	Cellulose 10 Non-Fibrous 90	None Detected
1F / 1247172	Gray Sub Floor	MODS Gym	gray	Cellulose 10 Non-Fibrous 90	None Detected
1G / 1247173	Gray Sub Floor	MODS Gym	gray	Cellulose 10 Non-Fibrous 90	None Detected
2A / 1247174	Brown Floor Cover	MODS Gym	multi	Fiberglass 5 Non-Fibrous 95	None Detected
2B / 1247175	Brown Floor Cover	MODS Gym	multi	Fiberglass 5 Non-Fibrous 95	None Detected
2C / 1247176	Brown Floor Cover	MODS Gym	multi	Fiberglass 5 Non-Fibrous 95	None Detected
2D / 1247177	Brown Floor Cover	MODS Gym	multi	Fiberglass 5 Non-Fibrous 95	None Detected
2E / 1247178	Brown Floor Cover	MODS Gym	multi	Fiberglass 5 Non-Fibrous 95	None Detected
2F / 1247179	Brown Floor Cover	MODS Gym	multi	Fiberglass 5 Non-Fibrous 95	None Detected
2G / 1247180	Brown Floor Cover	MODS Gym	multi	Fiberglass 5 Non-Fibrous 95	None Detected
3A / 1247181	Joint Compound	MODS Gym Walls	multi	Non-Fibrous 100	None Detected
3B / 1247182	Joint Compound	MODS Gym Walls	clear	Non-Fibrous 100	None Detected
3C / 1247183	Joint Compound	MODS Gym Walls	white	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 12, 2024 **Analyzed:** March 13, 2024

Thursday 14 March 2024

Analyzed by: Michael Manning **Batch:** 113422

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#3130.00
WCSO (MODS GYM)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
3D / 1247184	Joint Compound	MODS Gym Walls	white	Non-Fibrous 100	None Detected
3E / 1247185	Joint Compound	MODS Gym Walls	white	Non-Fibrous 100	None Detected
4A / 1247186	Tan Mastic on Floor Cover	MODS Gym	tan	Non-Fibrous 100	None Detected
4B / 1247187	Tan Mastic on Floor Cover	MODS Gym	tan	Non-Fibrous 100	None Detected
4C / 1247188	Tan Mastic on Floor Cover	MODS Gym	tan	Non-Fibrous 100	None Detected
4D / 1247189	Tan Mastic on Floor Cover	MODS Gym	tan	Non-Fibrous 100	None Detected
4E / 1247190	Tan Mastic on Floor Cover	MODS Gym	tan	Non-Fibrous 100	None Detected
4F / 1247191	Tan Mastic on Floor Cover	MODS Gym	tan	Non-Fibrous 100	None Detected
4G / 1247192	Tan Mastic on Floor Cover	MODS Gym	tan	Non-Fibrous 100	None Detected
5A / 1247193	Drywall	MODS Gym Walls	gray	Cellulose 5 Non-Fibrous 95	None Detected
5B / 1247194	Drywall	MODS Gym Walls	gray	Cellulose 5 Non-Fibrous 95	None Detected
5C / 1247195	Drywall	MODS Gym Walls	gray	Cellulose 5 Non-Fibrous 95	None Detected
5D / 1247196	Drywall	MODS Gym Walls	gray	Cellulose 5 Non-Fibrous 95	None Detected
5E / 1247197	Drywall	MODS Gym Walls	gray	Cellulose 5 Non-Fibrous 95	None Detected
5F / 1247198	Drywall	MODS Gym Walls	gray	Cellulose 5 Non-Fibrous 95	None Detected
5G / 1247199	Drywall	MODS Gym Walls	gray	Cellulose 5 Non-Fibrous 95	None Detected
6A / 1247200	Black Cove Molding	MODS Gym	black	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 12, 2024 **Analyzed:** March 13, 2024

Thursday 14 March 2024

Analyzed by: Michael Manning **Batch:** 113422

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#3130.00
WCSO (MODS GYM)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
6B / 1247201	Black Cove Molding	MODS Gym	black	Non-Fibrous 100	None Detected
6C / 1247202	Black Cove Molding	MODS Gym	black	Non-Fibrous 100	None Detected
7A / 1247203	Off-White Mastic	MODS Gym	tan	Non-Fibrous 100	None Detected
7B / 1247204	Off-White Mastic	MODS Gym	tan	Non-Fibrous 100	None Detected
7C / 1247205	Off-White Mastic	MODS Gym	tan	Non-Fibrous 100	None Detected
8A / 1247206	Brown Cove Molding	MODS Gym Control Room	tan	Non-Fibrous 100	None Detected
8B / 1247207	Brown Cove Molding	MODS Gym Control Room	tan	Non-Fibrous 100	None Detected
8C / 1247208	Brown Cove Molding	MODS Gym Control Room	tan	Non-Fibrous 100	None Detected
9A / 1247209	Tan Mastic	MODS Gym Control Room	tan	Non-Fibrous 100	None Detected
9B / 1247210	Tan Mastic	MODS Gym Control Room	tan	Non-Fibrous 100	None Detected
9C / 1247211	Tan Mastic	MODS Gym Control Room	tan	Non-Fibrous 100	None Detected
10A / 1247212	Tan Floor Tile	MODS Gym Mech/Electrical Rooms	gray	Non-Fibrous 100	None Detected
10B / 1247213	Tan Floor Tile	MODS Gym Mech/Electrical Rooms	gray	Non-Fibrous 100	None Detected
10C / 1247214	Tan Floor Tile	MODS Gym Mech/Electrical Rooms	gray	Non-Fibrous 100	None Detected
11A / 1247215	Black Mastic	MODS Gym Mech/Electrical Rooms	black	Non-Fibrous 100	None Detected
11B / 1247216	Black Mastic	MODS Gym Mech/Electrical Rooms	black	Non-Fibrous 100	None Detected
11C / 1247217	Black Mastic	MODS Gym Mech/Electrical Rooms	black	Non-Fibrous 100	None Detected

Sampled: February 28, 2024 **Received:** March 12, 2024 **Analyzed:** March 13, 2024

Thursday 14 March 2024

Analyzed by: Michael Manning **Batch:** 113422

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#3130.00
WCSO (MODS GYM)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
12A / 1247218	TSI Mud Ends	MODS Gym Mech/Electrical Rooms	white	Fiberglass 10 Non-Fibrous 90	None Detected
12B / 1247219	TSI Mud Ends	MODS Gym Mech/Electrical Rooms	white	Fiberglass 10 Non-Fibrous 90	None Detected
12C / 1247220	TSI Mud Ends	MODS Gym Mech/Electrical Rooms	white	Fiberglass 10 Non-Fibrous 90	None Detected
13A / 1247221	TSI Pipe Cover	MODS Gym Mech/Electrical Rooms	white	Fiberglass 10 Cellulose 50 Non-Fibrous 40	None Detected
13B / 1247222	TSI Pipe Cover	MODS Gym Mech/Electrical Rooms	white	Fiberglass 10 Cellulose 50 Non-Fibrous 40	None Detected
13C / 1247223	TSI Pipe Cover	MODS Gym Mech/Electrical Rooms	white	Fiberglass 10 Cellulose 50 Non-Fibrous 40	None Detected

Sampled: February 28, 2024 **Received:** March 12, 2024 **Analyzed:** March 13, 2024

Thursday 14 March 2024

Analyzed by: Michael Manning **Batch:** 113422

Client: CDW Consultants Inc
Address: 4 California Ave, Framingham
Project Site & #: WCSO (RODS GYM) / #2130.00
Phone / email address:
bdana@cdweans.Hants.com
Contact: Bryant Dana
Relinquish by/date:
Receivec by/date: 3/12/24
# of Samples Received: 57

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/28/24

BATCH# 113422 Rev 01/24

Turnaround Time		Sample Method	
☐	Less 3 Hrs	☒	Bulk
☐	Same Day	☐	Soil
☐	Next Day	☐	Wipe
☐	Two Day	☐	Point Count
☒	Three Day	☐	NOB

Stop on 1st Positive? (Yes) No
Analyzed By: Leon Cashman
Date: 3/13/24

Temp in Celsius = 23

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1247167	1A	Material: Gray Sub Floor Location: RODS Gym	0	99	5	9	4	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite											10				90
								Actinolite															
68	1B	Material: " " Location: " "	0	99	5	5	5	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite											10				90
								Actinolite															
69	1C	Material: " " Location: " "	0	99	5	5	5	Chrysotile															
								Amosite															
								Crocidolite											R				
								Tremolite															
								Anthophyllite											10				90
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ___ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
70	1D	Material						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location	0	gg	y	g	y	Tremolite															
								Anthophyllite											b				90
								Actinolite															
71	1E	Material						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location	0	gg	y	g	y	Tremolite															
								Anthophyllite											b				90
								Actinolite															
72	1F	Material						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location	0	gg	y	g	y	Tremolite															
								Anthophyllite											b				90
								Actinolite															
73	1G	Material						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location	0	gg	y	g	y	Tremolite															
								Anthophyllite											b				90
								Actinolite															
74	2A	Material Brown Floor Cover						Chrysotile															
								Amosite															
								Crocidolite										I					
		Location MODs Gym	2	M	N	g	N	Tremolite															
								Anthophyllite										5					95
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
75	2B	Material						Chrysotile															
								Amosite									1						
								Crocidolite															
		Location	D	M	N	G	N	Tremolite															
								Anthophyllite									5						95
								Actinolite															
76	2C	Material						Chrysotile															
								Amosite									1						
								Crocidolite															
		Location	D	M	N	G	N	Tremolite															
								Anthophyllite									5						95
								Actinolite															
77	2D	Material						Chrysotile															
								Amosite															
								Crocidolite									1						
		Location	D	M	N	G	N	Tremolite															
								Anthophyllite									5						95
								Actinolite															
78	2E	Material						Chrysotile															
								Amosite															
								Crocidolite									1						
		Location	D	M	N	G	N	Tremolite															
								Anthophyllite									5						95
								Actinolite															
79	2F	Material						Chrysotile															
								Amosite									1						
								Crocidolite															
		Location	D	M	N	G	N	Tremolite															
								Anthophyllite									5						95
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Fiber	Synthetic	Other	Non-Fibrous
80	2A	Material Location	0	M	N	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I U						95
81	3A	Material Joint Compound Location 1005 Gym Walls	0	W	Y	S	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																5
82	3B	Material Location	0	W	Y	S	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																5
83	3C	Material Location	0	W	Y	S	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																5
84	3D	Material Location	0	W	Y	S	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																5

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
25	3E	Material Location	0	W	H	S	S	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
26	4A	Material Tan Mastic on Floor Cover Location MoDs Gym	0	T	Y	S	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
27	4B	Material Location	0	T	Y	S	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
28	4C	Material Location	0	T	Y	S	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
29	4D	Material Location	0	T	Y	S	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
90	4E	Material — / Location —	0	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
91	4F	Material — / Location —	0	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
92	4G	Material — / Location —	0	T	Y	S	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
93	5A	Material Drywall / Location mens gym walls	0	gy	y	g	y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite											R				
								Anthophyllite											5				95
								Actinolite															
94	5B	Material — / Location —	0	gy	y	g	y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite											R				
								Anthophyllite											5				95
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
95	5C	Material						Chrysotile											R				
								Amosite															
								Crocidolite															
		Location	0	gy	y	g	y	Tremolite											5				95
								Anthophyllite															
								Actinolite															
96	5D	Material						Chrysotile															
								Amosite											R				
								Crocidolite															
		Location	0	gy	y	g	y	Tremolite											5				95
								Anthophyllite															
								Actinolite															
97	5E	Material						Chrysotile															
								Amosite											R				
								Crocidolite															
		Location	0	gy	y	g	y	Tremolite											5				95
								Anthophyllite															
								Actinolite															
98	5F	Material						Chrysotile															
								Amosite											R				
								Crocidolite															
		Location	0	gy	y	g	y	Tremolite											5				95
								Anthophyllite															
								Actinolite															
99	5G	Material						Chrysotile															
								Amosite											R				
								Crocidolite															
		Location	0	gy	y	g	y	Tremolite											5				95
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
01	6A	Material Black Cove Molding Location Mods Gym	0	BK	H	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
01	6B	Material Location	0	BK	H	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
02	CC	Material Location	0	BK	H	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
03	7A	Material Off-White mastic Location Mods Gym	0	T	H	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
04	7B	Material Location	0	T	H	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
05	7C	Material Location	0	~~BK~~ T	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
06	8A	Material Brown Cove Bolday Location MOPs Gym - Control Room	0	T	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
07	8B	Material Location	0	T	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
08	8C	Material Location	0	T	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
09	9A	Material Tan Mastic Location MOPs Gym - Control Room	0	T	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

6
3/3

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ‖	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
10	9B	Material " " Location " "	0	T	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
11	9C	Material " " Location " "	0	T	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
12	10A	Material Tan Floor tile Location MODs GUA-Mech / Electrical Rooms	0	gy	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
13	10B	Material " " Location " "	0	gy	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
14	10C	Material " " Location " "		gy	h	g	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
15	11A	Material Black Mastic Location MODs Gym - Mech / Electrical Rooms	0	BK	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															5%
16	11B	Material Location	0	BK	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															5%
17	11C	Material Location	0	BK	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															1%
18	12A	Material TSI MUD ENDS Location MODs Gym - Mech / Electrical Rooms	0	W	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										1 6						90%
19	12B	Material Location	0	W	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										1 10						90%

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
20	12C	Material Location	0	W	H	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1 5						95
21	13A	Material TSI Pipe Cover Location MODS Gym. - Mech Room / Electrical Room	0	W	H	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1 5		R 5				5
22	13B	Material Location	0	W	H	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									1 5		R 5				5
12472023	13C	Material Location	0	W	H	G/F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 5		R 5				5
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113421

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (MODS)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (MODS)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1247028	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1B / 1247029	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1C / 1247030	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1D / 1247031	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1E / 1247032	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1F / 1247033	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1G / 1247034	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1H / 1247035	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
1I / 1247036	White Door Caulk	Control Booth - Electrical Rooms	white	Non-Fibrous 100	None Detected
2A / 1247037	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
2B / 1247038	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
2C / 1247039	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
2D / 1247040	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
2E / 1247041	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
2F / 1247042	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
2G / 1247043	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
2H / 1247044	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected

Sampled: March 28, 2024 **Received:** March 12, 2024 **Analyzed:** March 13, 2024

Thursday 14 March 2024

Analyzed by: Valerie Jaquette **Batch:** 113421

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (MODS)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
2I 1247045	Gray Duct Sealant	Mech Rooms	gray	Non-Fibrous 100	None Detected
3A 1247046	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3B 1247047	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3C 1247048	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3D 1247049	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3E 1247050	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3F 1247051	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3G 1247052	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3H 1247053	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
3I 1247054	TSI Pipe Cover	Mech Rooms	multi	Fiberglass 25 Cellulose 40 Non-Fibrous 35	None Detected
4A 1247055	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
4B 1247056	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
4C 1247057	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
4D 1247058	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
4E 1247059	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
4F 1247060	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected

Sampled: March 28, 2024 **Received:** March 12, 2024 **Analyzed:** March 13, 2024

Thursday 14 March 2024

Analyzed by: Valerie Jaquette **Batch:** 113421

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (MODS)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
4G 1247061	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
4H 1247062	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
4I 1247063	TSI Mud Ends	Mech Rooms	yellow	Fiberglass 60 Non-Fibrous 40	None Detected
5A 1247064	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5B 1247065	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5C 1247066	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5D 1247067	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5E 1247068	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5F 1247069	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5G 1247070	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5H 1247071	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected
5I 1247072	White Door Caulk	Mech Rooms	white	Non-Fibrous 100	None Detected

Sampled: March 28, 2024 **Received:** March 12, 2024 **Analyzed:** March 13, 2024

Thursday 14 March 2024

Analyzed by: Valerie Jaouette **Batch:** 113421

Client: CDW Consultants Inc
Address: 4 California Ave, Framingham, MA
Project Site & #: WCSO (MODS) / #2130.00
Phone / email address:
bdana@cdwconsultants.com
Contact: Bryant Dana
Relinquish by/date:
Received by/date: 3/12/24
# of Samples Received: 45

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/28/24

BATCH# 113421 Rev 01/24

Page 1 of 10.

Turnaround Time		Sample Method	
	Less 3 Hrs	X	Bulk
	Same Day		Soil
	Next Day		Wipe
	Two Day		Point Count
X	Three Day		NOB

Stop on 1st Positive? (Yes) / No
Analyzed By: Valerie Gianetti
Date: 3/13/24

Temp in Celsius = 22

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1247028	1A	Material White Door Caulk Location Control Booth – Electrical Room	0	W	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
24	1B	Material Location	0	W	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100
30	1C	Material Location	0	W	N	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
31	1D	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SM	N	Tremolite															100
								Anthophyllite															
								Actinolite															
32	1E	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SM	N	Tremolite															100
								Anthophyllite															
								Actinolite															
33	1F	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SM	N	Tremolite															100
								Anthophyllite															
								Actinolite															
34	1G	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SM	N	Tremolite															100
								Anthophyllite															
								Actinolite															
35	1H	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SM	N	Tremolite															100
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
36	1I	Material Location	0	W	N	SU	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
37	2A	Material Gray Duct Sealant Location Mech Room	0	Gy	N	SU	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
38	2B	Material Location	0	Gy	N	SU	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
39	2C	Material Location	0	Gy	N	SU	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
40	2D	Material Location	0	Gy	N	SU	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
41	2E	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	Gy	N	Gn	N	Tremolite															
								Anthophyllite															
								Actinolite															100
42	2F	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	Gy	N	Gn	N	Tremolite															
								Anthophyllite															
								Actinolite															100
43	2G	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	Gy	N	Gn	N	Tremolite															
								Anthophyllite															
								Actinolite															100
44	2H	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	Gy	N	Gn	N	Tremolite															
								Anthophyllite															
								Actinolite															100
45	2I	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	Gy	N	Gn	N	Tremolite															
								Anthophyllite															
								Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
46	3A	Material TSI Pipe Cover Location Mech Rooms	0	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 25		R 40				35
47	3B	Material – Location –	0	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 25		R 40				35
48	3C	Material – Location –	0	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 25		R 40				35
49	3D	Material – Location –	0	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 25		R 40				35
50	3E	Material – Location –	0	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									rl 25		R 40				35

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
51	3F	Material Location	O	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									d.		R				
																	25		40				35
52	3G	Material Location	O	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									d		R				
																	25		40				35
53	3H	Material Location	O	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									d		R				
																	25		40				35
54	3I	Material Location	O	M	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									d		R				
																	25		40				35
55	4A	Material TSI MUD ENDS Location Mech Rooms	O	y	N	F	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									d						
																	60						40

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
56	4B	Material						Chrysotile															
								Amosite															
								Crocidolite									40						
		Location						Tremolite															
			0	y	N	F	y	Anthophyllite									60						40
								Actinolite															
57	4C	Material						Chrysotile															
								Amosite															
								Crocidolite									40						
		Location						Tremolite															
			0	y	N	F	y	Anthophyllite									60						40
								Actinolite															
58	4D	Material						Chrysotile															
								Amosite															
								Crocidolite									40						
		Location						Tremolite															
			0	y	N	F	y	Anthophyllite									60						40
								Actinolite															
59	4E	Material						Chrysotile															
								Amosite															
								Crocidolite									40						
		Location						Tremolite															
			0	y	N	F	y	Anthophyllite									60						40
								Actinolite															
60	4F	Material						Chrysotile															
								Amosite															
								Crocidolite									40						
		Location						Tremolite															
			0	y	N	F	y	Anthophyllite									60						40
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
61	4A	Material Location	0	y	n	F	y	Chrysotile									40						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									60						40
								Actinolite															
62	4H	Material Location	0	y	n	F	y	Chrysotile									40						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									60						40
								Actinolite															
63	4I	Material Location	0	y	n	F	y	Chrysotile									40						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									60						40
								Actinolite															
64	5A	Material White Door Caulk Location Mech Room	0	w	n	Brit	n	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															
65	5B	Material Location	0	w	n	Brit	n	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															100
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
66	5C	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SV	N	Tremolite															100
								Anthophyllite															
								Actinolite															
67	5D	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SV	N	Tremolite															100
								Anthophyllite															
								Actinolite															
68	5E	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SV	N	Tremolite															100
								Anthophyllite															
								Actinolite															
69	5F	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SV	N	Tremolite															100
								Anthophyllite															
								Actinolite															
70	5G	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	N	SV	N	Tremolite															100
								Anthophyllite															
								Actinolite															

Temp in Celcius = ___

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Stereo Scope: Color	Stereo Scope: Homogeneity	Stereo Scope: Texture	Stereo Scope: Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ‖	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
71	5H	Material	0	W	N	GN	N	Chrysotile															100
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
72	5I	Material	0	W	N	GN	N	Chrysotile															100
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113104

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Training Center)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.0
WCSO (Training Center)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1242746	Light Gray Floor TIle	Kitchen Area	gray	Non-Fibrous 100	None Detected
1B / 1242747	Light Gray Floor TIle	Kitchen Area	gray	Non-Fibrous 100	None Detected
1C / 1242748	Light Gray Floor TIle	Kitchen Area	gray	Non-Fibrous 100	None Detected
2A / 1242749	Off-White Mastic under Floor Tile	Kitchen Area	tan	Non-Fibrous 100	None Detected
2B / 1242750	Off-White Mastic under Floor Tile	Kitchen Area	tan	Non-Fibrous 100	None Detected
2C / 1242751	Off-White Mastic under Floor Tile	Kitchen Area	tan	Non-Fibrous 100	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 07, 2024

Friday 08 March 2024

Analyzed by: 

Batch: 113104

Client: CDW Consultants Inc
Address: 4 California Ave, Framingham, MA
Project Site & #: WCSO (Training Center) / #2130.0
Phone / email address:
bdana@cdwconsultants.com
Contact: Bryant Dana
Relinquish by/date:
Receivec by/date: 3/5/24
# of Samples Received: 6

CHAIN OF CUSTODY
EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/27/24

BATCH# 113104 Rev 01/24

Page 1 of 2.

Turnaround Time		Sample Method	
☐	Less 3 Hrs	☒	Bulk
☐	Same Day	☐	Soil
☐	Next Day	☐	Wipe
☐	Two Day	☐	Point Count
☒	Three Day	☐	NOB

Stop on 1st Positive? (Yes)/No
Analyzed By:
Date: 3/7/24

Temp in Celsius = 23

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
12427446	1A	Material: Light Gray Floor tile Location: Kitchen Area	0	gray				Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															5
47	1B	Material: " Location: "	0	"	"	"	"	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															2
48	1C	Material: " Location: "	0	"	"	"	"	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															2

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
49	2A	Material Off-White Mastic under Floor tile Location Kitchen Area	Chr					Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															L
50	2B	Material Location	Chr					Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															L
51	2C	Material Location	Chr					Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															LA
		Material Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
		Material Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113089

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Transpo)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Transpo)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A 1242451	TSI on Valve	Transpo-Break Room	gray	Cellulose 90 Non-Fibrous 10	None Detected
1B 1242452	TSI on Valve	Transpo-Break Room	gray	Cellulose 90 Non-Fibrous 10	None Detected
1C 1242453	TSI on Valve	Transpo-Break Room	gray	Cellulose 90 Non-Fibrous 10	None Detected
2A 1242454	Black Cove Molding	Transpo-Main Locker Area, Break Room, Office	black	Non-Fibrous 100	None Detected
2B 1242455	Black Cove Molding	Transpo-Main Locker Area, Break Room, Office	black	Non-Fibrous 100	None Detected
2C 1242456	Black Cove Molding	Transpo-Main Locker Area, Break Room, Office	black	Non-Fibrous 100	None Detected
3A 1242457	White Mastic	Transpo-Main Locker Area, Break Room, Office	tan	Non-Fibrous 100	None Detected
3B 1242458	White Mastic	Transpo-Main Locker Area, Break Room, Office	tan	Non-Fibrous 100	None Detected
3C 1242459	White Mastic	Transpo-Main Locker Area, Break Room, Office	tan	Non-Fibrous 100	None Detected
4A 1242460	White Painted Wall Coating	Bathroom/Storage Room	white	Non-Fibrous 100	None Detected
4B 1242461	White Painted Wall Coating	Bathroom/Storage Room	white	Non-Fibrous 100	None Detected
4C 1242462	White Painted Wall Coating	Bathroom/Storage Room	white	Non-Fibrous 100	None Detected
5A 1242463	Gray Floor Tile (Top Layer)	Transpo-Main Locker Area, Break Room, Offices	gray	Non-Fibrous 100	None Detected
5B 1242464	Gray Floor Tile (Top Layer)	Transpo-Main Locker Area, Break Room, Offices	gray	Non-Fibrous 100	None Detected
5C 1242465	Gray Floor Tile (Top Layer)	Transpo-Main Locker Area, Break Room, Offices	gray	Non-Fibrous 100	None Detected
5D 1242466	Gray Floor Tile (Top Layer)	Transpo-Main Locker Area, Break Room, Offices	gray	Non-Fibrous 100	None Detected
5E 1242467	Gray Floor Tile (Top Layer)	Transpo-Main Locker Area, Break Room, Offices	gray	Non-Fibrous 100	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Thursday 07 March 2024

Analyzed by: Lauren Oakes **Batch:** 113089

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Transpo)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
6A / 1242468	Tan Mastic Between Two Layers of FT	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
6B / 1242469	Tan Mastic Between Two Layers of FT	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
6C / 1242470	Tan Mastic Between Two Layers of FT	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
6D / 1242471	Tan Mastic Between Two Layers of FT	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
6E / 1242472	Tan Mastic Between Two Layers of FT	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
7A / 1242473	Tan Floor Tile (Bottom Layer)	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
7B / 1242474	Tan Floor Tile (Bottom Layer)	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
7C / 1242475	Tan Floor Tile (Bottom Layer)	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
7D / 1242476	Tan Floor Tile (Bottom Layer)	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
7E / 1242477	Tan Floor Tile (Bottom Layer)	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
8A / 1242478	Brown Mastic Under Bottom Layer	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
8B / 1242479	Brown Mastic Under Bottom Layer	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
8C / 1242480	Brown Mastic Under Bottom Layer	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
8D / 1242481	Brown Mastic Under Bottom Layer	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
8E / 1242482	Brown Mastic Under Bottom Layer	Transpo-Main Locker Area, Break Room, Offices	tan	Non-Fibrous 100	None Detected
9A / 1242483	Drywall	(2) Interior Walls of Break Room	white	Non-Fibrous 100	None Detected
9B / 1242484	Drywall	(2) Interior Walls of Break Room	white	Non-Fibrous 100	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

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Natick, MA 01760

Project Information
#2130.00
WCSO (Transpo)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
9C / 1242485	Drywall	(2) Interior Walls of Break Room	white	Non-Fibrous 100	None Detected
10A / 1242486	Gray Floor Tile	Garage-Office	tan	Non-Fibrous 100	None Detected
10B / 1242487	Gray Floor Tile	Garage-Office	tan	Non-Fibrous 100	None Detected
10C / 1242488	Gray Floor Tile	Garage-Office	tan	Non-Fibrous 100	None Detected
11A / 1242489	Tan Mastic Under Floor Tile	Garage-Office	tan	Non-Fibrous 100	None Detected
11B / 1242490	Tan Mastic Under Floor Tile	Garage-Office	tan	Non-Fibrous 100	None Detected
11C / 1242491	Tan Mastic Under Floor Tile	Garage-Office	tan	Non-Fibrous 100	None Detected
12A / 1242492	Blue Painted Vinyl Floor Tile	Garage-Storage Area	multi	Non-Fibrous 100	None Detected
12B / 1242493	Blue Painted Vinyl Floor Tile	Garage-Storage Area	multi	Non-Fibrous 100	None Detected
12C / 1242494	Blue Painted Vinyl Floor Tile	Garage-Storage Area	multi	Non-Fibrous 100	None Detected
13A / 1242495	Glue on Vinyl Floor Tile	Garage-Storage Area	black	Non-Fibrous 95	**Detected** Chrysotile **5**
13B / 1242496	Glue on Vinyl Floor Tile	Garage-Storage Area			Not Analyzed
13C / 1242497	Glue on Vinyl Floor Tile	Garage-Storage Area			Not Analyzed
14A / 1242498	TSI Mud Ends on Large Diameter Pipes	Boiler Room	multi	Fiberglass 25 Cellulose 60 Non-Fibrous 15	None Detected
14B / 1242499	TSI Mud Ends on Large Diameter Pipes	Boiler Room	multi	Fiberglass 25 Cellulose 60 Non-Fibrous 15	None Detected
14C / 1242500	TSI Mud Ends on Large Diameter Pipes	Boiler Room	multi	Fiberglass 25 Cellulose 60 Non-Fibrous 15	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Thursday 07 March 2024

Analyzed by: Lauren Oakes **Batch:** 113089

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Transpo)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
15A / 1242501	Gray Floor Coating	Boiler Room	multi	Non-Fibrous 100	None Detected
15B / 1242502	Gray Floor Coating	Boiler Room	multi	Non-Fibrous 100	None Detected
15C / 1242503	Gray Floor Coating	Boiler Room	multi	Non-Fibrous 100	None Detected
15D / 1242504	Gray Floor Coating	Boiler Room	multi	Non-Fibrous 100	None Detected
15E / 1242505	Gray Floor Coating	Boiler Room	multi	Non-Fibrous 100	None Detected
16A / 1242506	Mesh TSI	Hallway Between Boiler Room/Garage	multi	Fiberglass 10 Cellulose 60 Non-Fibrous 30	None Detected
16B / 1242507	Mesh TSI	Hallway Between Boiler Room/Garage	multi	Fiberglass 10 Cellulose 60 Non-Fibrous 30	None Detected
16C / 1242508	Mesh TSI	Hallway Between Boiler Room/Garage	multi	Fiberglass 10 Cellulose 60 Non-Fibrous 30	None Detected
17A / 1242509	Paper TSI	Hallway Between Boiler Room/Garage	multi	Fiberglass 50 Cellulose 30 Non-Fibrous 20	None Detected
17B / 1242510	Paper TSI	Hallway Between Boiler Room/Garage	multi	Fiberglass 50 Cellulose 30 Non-Fibrous 20	None Detected
17C / 1242511	Paper TSI	Hallway Between Boiler Room/Garage	multi	Fiberglass 50 Cellulose 30 Non-Fibrous 20	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Thursday 07 March 2024

Analyzed by: Lauren Oakes **Batch:** 113089

Client: CDW Consultants Inc.
Address: 4 California Ave, Framingham, MA
Project Site & #: WCSO (Transpo) / #2130.00
Phone / email address: bdana@cdwconsultants.com
Contact: Bryant Dana
Relinquish by/date: _____
Received by/date: 3/5/24
# of Samples Received: 61

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/27/24

BATCH# 113089 Rev 01/24

Turnaround Time: [ ] Less 3 Hrs [ ] Same Day [ ] Next Day [ ] Two Day [X] Three Day

Sample Method: [X] Bulk [ ] Soil [ ] Wipe [ ] Point Count [ ] NOB

Stop on 1st Positive? (Yes) No

Analyzed By: Lauren Oakes

Date: 3/6/24

Temp in Celsius = 20

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
12A24451	1A	Material TSI on Valve Location Transpo - Break Room	0	GM	N	GW/F	Y	Chrysotile											R				
								Amosite															
								Crocidolite															
								Tremolite											90				10
								Anthophyllite															
								Actinolite															
52	1B	Material Location	0	GM	N	GW/F	Y	Chrysotile											R				
								Amosite															
								Crocidolite															
								Tremolite											90				10
								Anthophyllite															
								Actinolite															
53	1C	Material Location	0	GM	Y	GW/F	Y	Chrysotile											R				
								Amosite															
								Crocidolite															
								Tremolite											90				10
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
54	2A	Material Black Coarse Molding Location Transpo - Main Locker Area, break Room, office	0	BK	Y	GV	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
55	2B	Material Location	0	BK	Y	GV	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
56	2C	Material Location	0	BK	Y	GV	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
57	3A	Material White Mastic Location Transpo - Main Locker Room Area, Break Room, office	0	t	Y	GV	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
58	3B	Material Location	0	t	Y	GV	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
59	3C	Material Location	0	T	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
60	4A	Material White painted wall Coating Location Bathroom / Storage room	0	W	Y	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
61	4B	Material Location	0	W	Y	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
62	4C	Material Location	0	W	Y	GN	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
63	5A	Material Gray Floor tile (Top layer) Location Transpo - Main Locker Room Area, Break Room, Offices	0	GY	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: II	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
64	5B	Material Location	0	GY	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
65	5C	Material Location	0	GY	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
66	5D	Material Location	0	GY	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
67	5E	Material Location	0	GY	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
68	6A	Material Tan Mastic between Two layers of FT. Location Transpo - Main Locker Room Area, Break Room, Offices	0	T	Y	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
69	6B	Material Location	0	+	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
70	6C	Material Location	0	+	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
71	6D	Material Location	0	+	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
72	6E	Material Location	0	+	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
73	7A	Material Tan Floor tile (Bottom layer) Location Transpo - Main Locker Room Area, Break Room / Offices	0	+	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
74	7B	Material Location	0	+	H	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
75	7C	Material Location	0	+	H	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
76	7D	Material Location	0	+	H	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
77	7E	Material Location	0	+	H	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
78	8A	Material Brown Mastic Under Bottom layer Location Transfo - Main Locker Room Area, Break Room / Offices	0	+	H	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
79	8B	Material Location	0	+	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
80	8C	Material Location	0	+	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
81	8D	Material Location	0	+	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
82	8E	Material Location	0	+	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
83	9A	Material Drywall Location (2) Interior Walls of Break Room	0	W	Y	GW	Y	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
84	9B	Material Location	0	W	Y	GV	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
85	9C	Material Location	0	W	Y	GV	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
86	10A	Material Gray Floor tile Location Garage - office	0	+	Y	GV	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
87	10B	Material Location	0	+	Y	GV	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
88	10C	Material Location	0	+	Y	GV	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
89	11A	Material Tan Mastic Under Floor tile Location Garage - Office	0	T	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
90	11B	Material Location	0	T	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
91	11C	Material Location	0	T	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
92	12A	Material Blue Painted Vinyl Floor tile Location Garage Storage Area	0	M	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
93	12B	Material Location	0	M	Y	GW	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
94	12C	Material Location	0	M	Y	GN	N	Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															100
								Anthophyllite															
								Actinolite															
95	13A	Material Glue on Vinyl Floor tile Location Garage Storage Area	0	BK	Y	GN	N	Chrysotile	5	W	P	+	L	N	1551	1582							
								Amosite															
								Crocidolite															
								Tremolite															95
								Anthophyllite															
								Actinolite															
96	13B	Material Location						Chrysotile															
								Amosite															
								Crocidolite															DNA
								Tremolite															
								Anthophyllite															
								Actinolite															
97	13C	Material Location						Chrysotile															
								Amosite															
								Crocidolite															DNA
								Tremolite															
								Anthophyllite															
								Actinolite															
98	14A	Material TSI MUD END on large Diameter Pipes Location Boiler Room	0	M	N	GN/F	N	Chrysotile															
								Amosite									I		R				
								Crocidolite															
								Tremolite									25		60				15
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
99	14B	Material Location	0	M	N	GW F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 25		R 60				 15
00	14C	Material Location	0	M	N	GW F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 25		R 60				 15
01	15A	Material Gray Floor Coating Location Boiler Room	0	M	N	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															 100
02	15B	Material Location	0	M	N	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															 100
03	15C	Material Location	0	M	N	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															 100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ___ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
04	15D	Material Location	0	M	N	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
05	15E	Material Location	0	M	N	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
06	16A	Material Mesh TSI Location Hallway between Boiler Room / Garage	0	M	N	GW F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										I 10		R 60				30
07	16B	Material Location	0	M	N	GW F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										I 10		R 60				30
08	16C	Material Location	0	M	N	GW F	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite										I 10		R 60				30

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
09	17A	Material Paper TSI						Chrysotile															
								Amosite									I		R				
								Crocidolite															
		Location Hallway between Boiler Room / Garage	0	M	N	GW FI	N	Tremolite															
								Anthophyllite									50		30				20
								Actinolite															
10	17B	Material						Chrysotile															
								Amosite									I		R				
								Crocidolite															
		Location	0	M	N	GW FI	N	Tremolite															
								Anthophyllite									50		70				20
								Actinolite															
1242511	17C	Material						Chrysotile															
								Amosite									I		R				
								Crocidolite															
		Location	0	M	N	GW FI	N	Tremolite															
								Anthophyllite									50		30				20
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113100

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Work Release)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Work Release)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A / 1242667	White Pipe Cover	Boiler Room	multi	Fiberglass 70 Non-Fibrous 30	None Detected
1B / 1242668	White Pipe Cover	Boiler Room	multi	Fiberglass 70 Non-Fibrous 30	None Detected
1C / 1242669	White Pipe Cover	Boiler Room	multi	Fiberglass 70 Non-Fibrous 30	None Detected
2A / 1242670	Brown Pipe Cover	Boiler Room	multi	Fiberglass 60 Non-Fibrous 40	None Detected
2B / 1242671	Brown Pipe Cover	Boiler Room	multi	Fiberglass 60 Non-Fibrous 40	None Detected
2C / 1242672	Brown Pipe Cover	Boiler Room	multi	Fiberglass 60 Non-Fibrous 40	None Detected
3A / 1242673	Ceiling Sheetrock	Cells/Bathrooms	white	Cellulose 5 Non-Fibrous 95	None Detected
3B / 1242674	Ceiling Sheetrock	Cells/Bathrooms	white	Cellulose 5 Non-Fibrous 95	None Detected
3C / 1242675	Ceiling Sheetrock	Cells/Bathrooms	white	Cellulose 5 Non-Fibrous 95	None Detected
3D / 1242676	Ceiling Sheetrock	Cells/Bathrooms	white	Cellulose 5 Non-Fibrous 95	None Detected
3E / 1242677	Ceiling Sheetrock	Cells/Bathrooms	white	Cellulose 5 Non-Fibrous 95	None Detected
4A / 1242678	Light Gray Floor Tile	Control Room	gray	Non-Fibrous 98	**Detected** **Chrysotile 2**
4B / 1242679	Light Gray Floor Tile	Control Room			Not Analyzed
4C / 1242680	Light Gray Floor Tile	Control Room			Not Analyzed
5A / 1242681	Black Mastic	Control Room	black	Non-Fibrous 97	**Detected** **Chrysotile 3**
5B / 1242682	Black Mastic	Control Room			Not Analyzed
5C / 1242683	Black Mastic	Control Room			Not Analyzed

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Friday 08 March 2024

Analyzed by: Nathan Chann **Batch:** 113100

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Work Release)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
6A / 1242684	Black Window Caulk	Cells/Hallways	black	Non-Fibrous 100	None Detected
6B / 1242685	Black Window Caulk	Cells/Hallways	black	Non-Fibrous 100	None Detected
6C / 1242686	Black Window Caulk	Cells/Hallways	black	Non-Fibrous 100	None Detected
7A / 1242687	Black Window Caulk	Cafe	black	Non-Fibrous 100	None Detected
7B / 1242688	Black Window Caulk	Cafe	black	Non-Fibrous 100	None Detected
7C / 1242689	Black Window Caulk	Cafe	black	Non-Fibrous 100	None Detected
8A / 1242690	Off-White/Tan Floor Tile	Storage Room Off of Cafe	multi	Non-Fibrous 98	**Detected** **Chrysotile 2**
8B / 1242691	Off-White/Tan Floor Tile	Storage Room Off of Cafe			Not Analyzed
8C / 1242692	Off-White/Tan Floor Tile	Storage Room Off of Cafe			Not Analyzed
9A / 1242693	Black Mastic	Storage Room Off of Cafe	black	Non-Fibrous 90	**Detected** **Chrysotile 10**
9B / 1242694	Black Mastic	Storage Room Off of Cafe			Not Analyzed
9C / 1242695	Black Mastic	Storage Room Off of Cafe			Not Analyzed
10A / 1242696	Squiggly w/ Dots Ceiling Tile	Hallways	gray	Fiberglass 40 Mineral Wool 10 Cellulose 40 Non-Fibrous 10	None Detected
10B / 1242697	Squiggly w/ Dots Ceiling Tile	Hallways	gray	Fiberglass 40 Mineral Wool 10 Cellulose 40 Non-Fibrous 10	None Detected
10C / 1242698	Squiggly w/ Dots Ceiling Tile	Hallways	gray	Fiberglass 40 Mineral Wool 10 Cellulose 40 Non-Fibrous 10	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Friday 08 March 2024

Analyzed by: Nathan Chann **Batch:** 113100

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Work Release)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
10D 1242699	Squiggly w/ Dots Ceiling Tile	Hallways	gray	Fiberglass 40 Mineral Wool 10 Cellulose 40 Non-Fibrous 10	None Detected
10E 1242700	Squiggly w/ Dots Ceiling Tile	Hallways	gray	Fiberglass 40 Mineral Wool 10 Cellulose 40 Non-Fibrous 10	None Detected
10F 1242701	Squiggly w/ Dots Ceiling Tile	Hallways	gray	Fiberglass 40 Mineral Wool 10 Cellulose 40 Non-Fibrous 10	None Detected
10G 1242702	Squiggly w/ Dots Ceiling Tile	Hallways	gray	Fiberglass 40 Mineral Wool 10 Cellulose 40 Non-Fibrous 10	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Friday 08 March 2024

Analyzed by: Jonathan Chann **Batch:** 113100

Client: CDW Consultants Inc.

Address: 4 California Ave, Framingham, MA

Project Site & #: WCSO (Work Release) #2130.00

Phone / email address:
bdana@cdwconsultants.com

Contact: Bryant Dana

Relinquish by/date: _____

Received by/date: 3/5/24

# of Samples Received: 36

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab

165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/27/24

BATCH# 113100 Rev 01/24

Turnaround Time		Sample Method	
☐	Less 3 Hrs	☒	Bulk
☐	Same Day	☐	Soil
☐	Next Day	☐	Wipe
☐	Two Day	☐	Point Count
☒	Three Day	☐	NOB

Stop on 1st Positive? (Yes) No

Analyzed By: Jonathan Chavez

Date: 3/6/24

Temp in Celsius = 23

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1242667	1A	Material White Pipe Cover Location Boiler Room	0	M	N	G	N	Chrysotile									1						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															
68	1B	Material Location	0	M	N	G	N	Chrysotile									1						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															
69	1C	Material Location	0	M	N	G	N	Chrysotile									1						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									70						30
								Actinolite															

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
70	2A	Material Brown Pipe Cover Location Boiler Room	0	M	N	G	N	Chrysotile									I						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									60						40
								Actinolite															
71	2B	Material Location	0	M	N	G	N	Chrysotile									I						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									60						40
								Actinolite															
72	2C	Material Location	0	M	N	G	N	Chrysotile									I						
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite									60						40
								Actinolite															
73	3A	Material Ceiling Sheet rock Location Cells / Bath rooms	0	W	Y	G	Y	Chrysotile															
								Amosite											R				
								Crocidolite															
								Tremolite											5				95
								Anthophyllite															
								Actinolite															
74	3B	Material Location	0	W	Y	G	Y	Chrysotile															
								Amosite											R				
								Crocidolite															
								Tremolite											5				95
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)							
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
75	3C	Material Location	0	W	Y	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R				95
76	3D	Material Location	0	W	Y	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R				95
77	3E	Material Location	0	W	Y	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R				95
78	4A	Material Light Gray Floor tile Location Control Room	0	G?	W	G	W	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite	2	W	P	+	L	W	1.558	1.551							98
79	4B	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																DMA

Temp in Celcius = ____

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous	
80	4C	Material - Location -						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
81	5A	Material Black Mastic Location Control Room	0	Bk	Y	G	N	Chrysotile	3	W	P	+	L	N	1.538	1.551							97	
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
82	5B	Material - Location -						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
83	5C	Material - Location -						Chrysotile																DNA
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
84	6A	Material Black Window Caulk Location Cells / Hallways	0	Bk	N	G	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite															100	

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
85	6B	Material Location	0	Blk	N	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
86	CC	Material Location	0	Blk	N	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
87	7A	Material Black Window Caulk Location Cafe	0	Blk	Y	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
88	7B	Material Location	0	Blk	Y	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
89	7C	Material Location	0	Blk	Y	G	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
90	8A	Material off-White/ Tan Floor tile Location Storage Room off of Cafe	0	M	2	G	N	Chrysotile	2	W	P	+	L	N	1.55	1.55							98
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
91	8B	Material Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															DUA
92	8C	Material Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															DUA
93	9A	Material Black Mastic Location Storage Room off of Cafe	0	Bk	Y	G	N	Chrysotile	10	W	P	+	L	N	1.55	1.55							
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															90
								Actinolite															
94	9B	Material Location						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															DUA

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
95	9C	Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																
96	10A	Material Squiggly w/ Dots Ceiling tile Location Hallways	0	Gy	Y	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 40	I 10	R 40				 10
97	10B	Material Location	0	Gy	Y	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 40	I 10	R 40				 10
98	10C	Material Location	0	Gy	Y	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 40	I 10	R 40				 10
99	10D	Material Location	0	Gy	Y	G	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 40	I 10	R 40				 10

DNA

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	∥	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
08	10E	Material Location	0	Gy	y	G	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 40	I 10	R 40				 10
09	10F	Material Location	0	Gy	y	G	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 40	I 10	R 40				 10
1242702	10G	Material Location	0	Gy	y	G	y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite									I 40	I 10	R 40				 10
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
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781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113094

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Warehouse/Staff Gym)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is BULK PLM ANALYSIS, EPA/600/R-93/116The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Warehouse/Staff Gym)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
1A 1242585	Tan Cove Molding	Back Wall of Warehouse	brown	Non-Fibrous 100	None Detected
1B 1242586	Tan Cove Molding	Back Wall of Warehouse	brown	Non-Fibrous 100	None Detected
1C 1242587	Tan Cove Molding	Back Wall of Warehouse	brown	Non-Fibrous 100	None Detected
2A 1242588	Tan Mastic	Back Wall of Warehouse	tan	Non-Fibrous 100	None Detected
2B 1242589	Tan Mastic	Back Wall of Warehouse	tan	Non-Fibrous 100	None Detected
2C 1242590	Tan Mastic	Back Wall of Warehouse	tan	Non-Fibrous 100	None Detected
3A 1242591	Gray Cove Molding	Around Closet in Back of Warehouse	gray	Non-Fibrous 100	None Detected
3B 1242592	Gray Cove Molding	Around Closet in Back of Warehouse	gray	Non-Fibrous 100	None Detected
3C 1242593	Gray Cove Molding	Around Closet in Back of Warehouse	gray	Non-Fibrous 100	None Detected
4A 1242594	Off-White Mastic	Around Closet in Back of Warehouse	tan	Non-Fibrous 100	None Detected
4B 1242595	Off-White Mastic	Around Closet in Back of Warehouse	tan	Non-Fibrous 100	None Detected
4C 1242596	Off-White Mastic	Around Closet in Back of Warehouse	tan	Non-Fibrous 100	None Detected
5A 1242597	Joint Compound	Back Wall/Offices/Back Closet (Warehouse)	white	Non-Fibrous 100	None Detected
5B 1242598	Joint Compound	Back Wall/Offices/Back Closet (Warehouse)	white	Non-Fibrous 100	None Detected
5C 1242599	Joint Compound	Back Wall/Offices/Back Closet (Warehouse)	white	Non-Fibrous 100	None Detected
6A 1242600	Drywall	Back Wall/Offices/Back Closet (Warehouse)	tan	Cellulose 5 Non-Fibrous 95	None Detected
6B 1242601	Drywall	Back Wall/Offices/Back Closet (Warehouse)	tan	Cellulose 5 Non-Fibrous 95	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Thursday 07 March 2024

Analyzed by: Valerie Jaquette **Batch:** 113094

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Warehouse/Staff Gym)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
6C / 1242602	Drywall	Back Wall/Offices/Back Closet (Warehouse)	tan	Cellulose 5 Non-Fibrous 95	None Detected
7A / 1242603	Brown Floor Tile	Offices/Bathroom	tan	Non-Fibrous 100	None Detected
7B / 1242604	Brown Floor Tile	Offices/Bathroom	tan	Non-Fibrous 100	None Detected
7C / 1242605	Brown Floor Tile	Offices/Bathroom	tan	Non-Fibrous 100	None Detected
8A / 1242606	Black Mastic	Offices/Bathroom	black	Cellulose 15 Non-Fibrous 85	None Detected
8B / 1242607	Black Mastic	Offices/Bathroom	black	Cellulose 15 Non-Fibrous 85	None Detected
8C / 1242608	Black Mastic	Offices/Bathroom	black	Cellulose 15 Non-Fibrous 85	None Detected
9A / 1242609	Light Gray Floor Tile	Gym Floor (Not under Rubber Mats)	gray	Non-Fibrous 100	None Detected
9B / 1242610	Light Gray Floor Tile	Gym Floor (Not under Rubber Mats)	gray	Non-Fibrous 100	None Detected
9C / 1242611	Light Gray Floor Tile	Gym Floor (Not under Rubber Mats)	gray	Non-Fibrous 100	None Detected
10A / 1242612	Tan Mastic	Gym Floor (Not under Rubber Mats)	yellow	Non-Fibrous 100	None Detected
10B / 1242613	Tan Mastic	Gym Floor (Not under Rubber Mats)	yellow	Non-Fibrous 100	None Detected
10C / 1242614	Tan Mastic	Gym Floor (Not under Rubber Mats)	yellow	Non-Fibrous 100	None Detected
11A / 1242615	Black Cove Molding	Base of Gym Walls	multi	Non-Fibrous 100	None Detected
11B / 1242616	Black Cove Molding	Base of Gym Walls	multi	Non-Fibrous 100	None Detected
11C / 1242617	Black Cove Molding	Base of Gym Walls	multi	Non-Fibrous 100	None Detected
12A / 1242618	Off-White Mastic	Base of Gym Walls	tan	Non-Fibrous 100	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Thursday 07 March 2024

Analyzed by: Valerie Jaouette **Batch:** 113094

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information
#2130.00
WCSO (Warehouse/Staff Gym)

Method: BULK PLM ANALYSIS, EPA/600/R-93/116

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
12B / 1242619	Off-White Mastic	Base of Gym Walls	tan	Non-Fibrous 100	None Detected
12C / 1242620	Off-White Mastic	Base of Gym Walls	tan	Non-Fibrous 100	None Detected
13A / 1242621	Joint Compound	Gym Walls	white	Non-Fibrous 100	None Detected
13B / 1242622	Joint Compound	Gym Walls	white	Non-Fibrous 100	None Detected
13C / 1242623	Joint Compound	Gym Walls	white	Non-Fibrous 100	None Detected
14A / 1242624	Drywall	Upper Portion of Gym Walls	white	Cellulose 5 Non-Fibrous 95	None Detected
14B / 1242625	Drywall	Upper Portion of Gym Walls	white	Cellulose 5 Non-Fibrous 95	None Detected
14C / 1242626	Drywall	Upper Portion of Gym Walls	white	Cellulose 5 Non-Fibrous 95	None Detected
14D / 1242627	Drywall	Upper Portion of Gym Walls	white	Cellulose 5 Non-Fibrous 95	None Detected
14E / 1242628	Drywall	Upper Portion of Gym Walls	white	Cellulose 5 Non-Fibrous 95	None Detected

Sampled: February 27, 2024 **Received:** March 05, 2024 **Analyzed:** March 06, 2024

Thursday 07 March 2024

Analyzed by: Valerie Jaquette **Batch:** 113094

CHAIN OF COUSTODY

EPA/600/R-93/116

Page 1 of 10.

Client: CDW Consultants Inc.

Address: 4 California Ave, Framingham, MA

Project Site & #: WC50 (Warehouse/Staff Gym) #2130.00

Phone / email address: bdana@cdwconsultants.com

Contact: Bryant Dana

Relinquish by/date:

Received by/date: [signature] 3/5/24

# of Samples Received: 44

Asbestos Identification Lab

165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 2/27/24

BATCH# 113094

Rev 01/24

Turnaround Time		Sample Method	
[ ]	Less 3 Hrs	[X]	Bulk
[ ]	Same Day	[ ]	Soil
[ ]	Next Day	[ ]	Wipe
[ ]	Two Day	[ ]	Point Count
[X]	Three Day	[ ]	NOB

Stop on 1st Positive? (Yes) No

Analyzed By: [signature]

Date: 3/6/24

Temp in Celsius = 22

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1242585	1A	Material: Tan Cove Molding Location: Back Wall of Warehouse	0	Br	Y	SNU	U	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
86	1B	Material: ~ ~ Location: ~ ~	0	Br	Y	SNU	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
87	1C	Material: ~ ~ Location: ~ ~	0	Br	Y	SNU	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
88	2A	Material Tan Mastic Location Back wall of Warehouse	0	T	HO	Lu	U	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
89	2B	Material Location	0	T	HO	Lu	U	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
90	2C	Material Location	0	T	HO	Lu	U	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
91	3A	Material Gray Cove Molding Location Around Closet in Back of Warehouse	0	Gy	Hy	Lu	U	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																
92	3B	Material Location	0	Gy	Hy	Lu	U	Chrysotile																100
								Amosite																
								Crocidolite																
								Tremolite																
								Anthophyllite																
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope					Asbestos Minerals	Optical Properties						RI		Non-Asbestos Percentage (%)						
			% of Asbestos	Color	Homogeneity	Texture	Friable		Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	=	⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
93	3C	Material Location	0	Gy	H	SM	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
94	4A	Material Off-White mastic Location Around Closet in Back of Warehouse	0	T	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
95	4B	Material Location	0	T	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
96	4C	Material Location	0	T	N	GN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
97	3A	Material Joint Compound Location Back Wall/ Offices / Back closet (Warehouse)	0	W	H	SM	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
98	5B	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	H	ON	H	Tremolite															100
								Anthophyllite															
								Actinolite															
99	5C	Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location	0	W	H	ON	H	Tremolite															100
								Anthophyllite															
								Actinolite															
00	6A	Material: Drywall						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location: Back Wall/ Offices / Back Closet (Warehouse)	0	T	N	ON	H	Tremolite															95
								Anthophyllite											5				
								Actinolite															
01	6B	Material						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location	0	T	N	ON	H	Tremolite															95
								Anthophyllite											5				
								Actinolite															
02	6C	Material						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location	0	T	N	ON	H	Tremolite															95
								Anthophyllite											5				
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊢	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
03	7A	Material Brown Floor tile Location Offices / Bathroom	0	T	Hy	Sm	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
04	7B	Material ~ ~ Location ~ ~	0	T	Hy	Sm	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
05	7C	Material ~ ~ Location ~ ~	0	T	Hy	Sm	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite																100
								Anthophyllite																
								Actinolite																
06	8A	Material Black Mastic Location Offices / Bathroom	0	Bk	Ho	Sm	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite											R					
								Anthophyllite											15					85
								Actinolite																
07	8B	Material ~ ~ Location ~ ~	0	Bk	Ho	Sm	N	Chrysotile																
								Amosite																
								Crocidolite																
								Tremolite											R					
								Anthophyllite											15					85
								Actinolite																

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
08	8C	Material ~ - Location ~ -	0	BK	N	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 15				85
09	9A	Material Light Gray Floor tile Location Gym Floor (not under rubber mats)	0	Gy	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
10	9B	Material ~ ~ Location ~ -	0	Gy	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
11	9C	Material ~ - Location ~ -	0	Gy	Y	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100
12	10A	Material Tan Mastic Location Gym Floor (NOT under Rubber mats)	0	Y	N	GW	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
13	10B	Material Location	0	Y	N	SN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
14	10C	Material Location	0	Y	N	SN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
15	11A	Material Black Cove Molding Location Base of Gym Walls	0	M	N	SN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
16	11B	Material Location	0	M	N	SN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
17	11C	Material Location	0	M	N	SN	N	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
18	12A	Material Off-White Mastic Location Base of gym walls	O	T	HO	GU	FI	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
19	12B	Material ~ Location ~	O	T	HO	GU	FI	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
20	12C	Material ~ Location ~	O	T	HO	GU	FI	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
21	13A	Material Joint Compound Location Gym Walls	O	W	HO	GU	FI	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100
22	13B	Material ~ Location ~	O	W	HO	GU	FI	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite																100

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: =	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
23	13C	Material Location	0	W	Hg	[illegible]	Hg	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															[illegible]
24	14A	Material Drywall Location Upper Portion of Gym Walls	0	W	N	SW/F	Hg	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 5				95
25	14B	Material Location	0	W	N	SW/F	Hg	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 5				95
26	14C	Material Location	0	W	N	SW/F	Hg	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 5				95
27	14D	Material Location	0	W	N	SW/F	Hg	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											R 5				95

Page 10 of 10

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location (Temp in Celcius = ____)	% of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI ‖	RI ⊥	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1242628	14E	Material - - Location - -	0	W	N	[illegible]	Y	Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite											5				95
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															
		Material Location						Chrysotile Amosite Crocidolite Tremolite Anthophyllite Actinolite															

Column groups: Stereo Scope (% of Asbestos, Color, Homogeneity, Texture, Friable); Optical Properties (Asbestos %, Morphology, Extinction, Sign of Elongation, Birefringence, Pleochroism); RI (‖, ⊥); Non-Asbestos Percentage (%) (Fiberglass, Mineral Wool, Cellulose, Hair, Synthetic, Other, Non-Fibrous).

APPENDIX C

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

PAT Programs
AIHA Proficiency
Analytical Testing Programs
Lab ID: 200379

Batch: 113728

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

Worcester County Sheriffs Office

Method: PCM NIOSH 7400

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The information and analysis contained in this report have been generated using Phase Contrast Microscopy (PCM), NIOSH 7400 method, revision #3. Asbestos Identification Laboratory participates in the AIHA PAT Program for asbestos fiber counting; Laboratory ID # 200379. Limit of detection is 7 fibers/mm2.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

Worcester County Sheriffs Office

Method: PCM NIOSH 7400

FieldID LabID	Location / Additional Information	Volume (Liters)	Fibers / 100 Fields	Fibers / CC
Kitchen 59230	Staff Dining	1090	3.0	**BDL < 0.002**
Lobby 59231	NE Corner	1090	2.0	**BDL < 0.002**
Work Release 59232	Lobby Area	1090	1.0	**BDL < 0.002**
Mini-5 59233	Front Area	1110	1.0	**BDL < 0.002**
A1 59234	Cell 31	1100	0.0	**BDL < 0.002**
A2 59235	Dry Room	1094	2.0	**BDL < 0.002**
FJD 59236	Dry Room	1090	4.0	**BDL < 0.002**

Sampled: March 14, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 20 March 2024

Analyzed by: Erik Gorgas **Batch:** 113728

Asbestos Air Sample Field Data Sheet

165 New Boston Street, Suite 227
Woburn, MA 01801
www.asbestosidentificationlab.com
781-932-9600

LESS THAN 3 HRS ( )
SAME DAY ( )
NEXT DAY ( )
TWO DAY ( )
THREE DAY (✓)

Date:

Batch # 113728

# of Samples Received 7

Client: CDW

Project: Worcester County Sheriffs Office

AIL Lab # / Client I.D. #	Start Flow (l/m) End	Start Time End	Total Minutes	Total Volume (Liters)	Total Fibers/ Field	Concentration (f/cc)	Location / Additional Data	Type of Sample
59230 Kitchen				1090	3/100	BDL	Staff Dining ~~Kitchen~~	☐Clearance ☐Background ☐Other
59231 Lobby				1090	2/100	BDL	NE Corner	☐Clearance ☐Background ☐Other
59232 Work Release				1090	1/100	BDL	Lobby Area	☐Clearance ☐Background ☐Other
59233 Mini 5				1110	1/100	BDL	Front Area	☐Clearance ☐Background ☐Other
59234 A1				1100	0/100	BDL	Cell 31	☐Clearance ☐Background ☐Other
59235 A2				1094	2/100	BDL	Dry Room	☐Clearance ☐Background ☐Other
59236 FSD				1090	4/100	BDL	Dry Room	☐Clearance ☐Background ☐Other
								☐Clearance ☐Background ☐Other
								☐Clearance ☐Background ☐Other
								☐Clearance ☐Background ☐Other
								☐Clearance ☐Background ☐Other
								☐Clearance ☐Background ☐Other

NIOSH Method 7400 (A)
Phase Contrast Microscopy

Sampling Tech:

Analyst: [signature]

Date Analyzed: 3/19/2014

Air Sample Chain of Custody	Relinquished by:	Date	Relinquished by:	Date
	Received by: [signature]	3/18/14	Received by:	

Additional Notes: The post abatement clearance level for reoccupancy is 0.010 F/CC

Worcester County Sheriffs Office

Client: GDW Consultants, Inc.
Address: 4 California Dr Framingham
Project Site & #: WCSO
Phone / email address: 978-877-1542
ASundquist@gdwconsultants.com
Contact: Andrew Sundquist
Relinquish by/date:
Received by/date:
# of Samples Received: 7

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 3/14/24 - 3/15/24

BATCH#

Rev 01/24

Page 1 of 2

Turnaround Time		Sample Method	
☐	Less 3 Hrs	☐	Bulk
☐	Same Day	☐	Soil
☐	Next Day	☐	Wipe
☐	Two Day	☐	Point Count
☑	Three Day	☐	NOB

Stop on 1st Positive? Yes (No)

Analyzed By:

Date:

AIR Sample

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celsius = ____ / Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
	Kitchen	Material Air 2 LPM 845 - 550 1,090 Liters Location ~~ABC Corridor~~ STAFF DINING						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
	Lobby	Material Air 2 LPM 830 - 535 1,090 Liters Location NE Corridor						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															
	Work Release	Material Air 2 LPM 905 - 610 1,090 Liters Location Lobby Area						Chrysotile															
								Amosite															
								Crocidolite															
								Tremolite															
								Anthophyllite															
								Actinolite															

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Temp in Celcius = ____ Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ‖	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
	mini 5	Material: Air 22Lpm 925-640 1,110 Liters						Chrysotile															
								Amosite															
								Crocidolite															
		Location: Front Area						Tremolite															
								Anthophyllite															
								Actinolite															
	A1	Material: Air 22Lpm 940-650 1,100 Liters						Chrysotile															
								Amosite															
								Crocidolite															
		Location: Cell 31						Tremolite															
								Anthophyllite															
								Actinolite															
	A2	Material: Air 22Lpm 945-652 1,094 Liters						Chrysotile															
								Amosite															
								Crocidolite															
		Location: Dry Room						Tremolite															
								Anthophyllite															
								Actinolite															
	FJD	Material: Air 22Lpm 955-700 1,090 Liters						Chrysotile															
								Amosite															
								Crocidolite															
		Location: Dry Room						Tremolite															
								Anthophyllite															
								Actinolite															
		Material: Air						Chrysotile															
								Amosite															
								Crocidolite															
		Location:						Tremolite															
								Anthophyllite															
								Actinolite															

APPENDIX D

Asbestos Identification Laboratory.

165 New Boston St., Ste 227
Woburn, MA 01801
781-932-9600

Web: www.asbestosidentificationlab.com Email: mikemanning@asbestosidentificationlab.com

NVLAP® Testing Lab Code: 200919-0

Batch: 113715

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO

Method: PLM WIPES

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The Analysis Method is PLM WIPESThe information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.
Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Information provided by the customer can affect the validity of results. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. All customer information will be maintained in confidentiality. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning
Owner/Director

Alan Sundquist
CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760

Project Information

WCSO

Method: PLM WIPES

FieldID / LabID	Material	Location	Color	Non-Asbestos %	Asbestos %
Kitchen 1251124	Wipe	Intake Staff Dining		Cellulose 10 Non-Fibrous 90	None Detected
Lobby 1251125	Wipe	Intake Vent Center Lobby		Cellulose 10 Non-Fibrous 90	None Detected
Work Release 1251126	Wipe	Lobby Area Intake		Cellulose 10 Synthetic 2 Non-Fibrous 88	None Detected
Mini-5 1251127	Wipe			Cellulose 10 Non-Fibrous 90	None Detected
A1 1251128	Wipe	Intake Dry Room		Cellulose 10 Non-Fibrous 90	None Detected
A2 1251129	Wipe	Intake Dry Room		Cellulose 5 Non-Fibrous 95	None Detected
FJD 1251130	Wipe	Dry Room Intake		Cellulose 5 Non-Fibrous 95	None Detected

Sampled: March 15, 2024 **Received:** March 18, 2024 **Analyzed:** March 19, 2024

Wednesday 20 March 2024

Analyzed by: Erik Gongas **Batch:** 113715

Client: CDM Consultants, Inc.
Address: 4 Cal. Sonia Dr, Framingham
Project Site & #: WCSO
Phone / email address: (978) 877-1542
ASundquist@cdmconsultants.com
Contact: Alan Sundquist
Relinquish by/date:
Received by/date: 3/18/24
# of Samples Received:

CHAIN OF CUSTODY

EPA/600/R-93/116

Asbestos Identification Lab
165 New Boston St.
Suite 227
Woburn, MA 01801
(781)932-9600
www.asbestosidentificationlab.com

Date Sampled: 3/15/24

BATCH# 113715 Rev 01/24

Turnaround Time		Sample Method	
	Less 3 Hrs		Bulk
	Same Day		Soil
	Next Day	X	Wipe
	Two Day		Point Count
✓	Three Day		NOB

Stop on 1st Positive? Yes (No)
Analyzed By: [signature]
Date: 3/19/24

Temp in Celsius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: II	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
1251124	Kitchen	Material: Wipe Location: Intake Staff Dining		NA				Chrysotile											R				
								Amosite															
								Crocidolite															
								Tremolite											10				90
								Anthophyllite															
								Actinolite															
25	Lobby	Material: Wipe Location: Intake vent Center Lobby		NA				Chrysotile											R				
								Amosite															
								Crocidolite															
								Tremolite											10				90
								Anthophyllite															
								Actinolite															
26	Work 1251124	Material: Wipe Location: Lobby Reception Intakes		NA				Chrysotile											R		C		
								Amosite															
								Crocidolite															
								Tremolite											10		2		88
								Anthophyllite															
								Actinolite															

Temp in Celcius = 21

Lab ID# (Lab Use Only)	Field ID/ (Client Reference)	Material / Location	Stereo Scope: % of Asbestos	Color	Homogeneity	Texture	Friable	Asbestos Minerals	Optical Properties: Asbestos %	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI: ∥	RI: ⊥	Non-Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non-Fibrous
27	mini-5	Material W.P.D						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location		NA				Tremolite															
								Anthophyllite											10				90
								Actinolite															
28	A1	Material W.P.S						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location Dry Intake Room		NA				Tremolite															
								Anthophyllite											10				90
								Actinolite															
29	A2	Material W.P.S						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location Dry Intake Room		NA				Tremolite															
								Anthophyllite											5				95
								Actinolite															
1251130	FJD	Material Wipe						Chrysotile															
								Amosite															
								Crocidolite											R				
		Location Dry Room Intake		NA				Tremolite															
								Anthophyllite											5				95
								Actinolite															
		Material						Chrysotile															
								Amosite															
								Crocidolite															
		Location						Tremolite															
								Anthophyllite															
								Actinolite															

APPENDIX E