❑ Environmental Services ❑ Geotechnical Engineering ❑ Construction Materials Testing ❑ Special Inspections

TODD SORENSEN
ITD DISTRICT 3
8150 Chinden Boulevard
Garden City, Idaho 83713

Project: **8150 Chinden**

Ladies and Gentlemen,

Materials Testing and Inspection (MTI) has conducted a survey of 8150 Chinden Blvd. The analysis results are attached. At the time of the survey, the building was occupied and furnished and portions of the structure may not have been accessible, specifically the wiring and high overhead ceiling. Our survey identified the following Asbestos Containing Materials (ACM):

Sample Number	Material	Location	% Asbestos	Category*	Condition*	Friable*	Quantity
1-01,02,03, 04, 05	Window putty	Windows	2%	II	Good	No	~200 windows
2-06, 07	Roofing felt	Parapets	40%	I	Good	No	~1,200 lf
5-21, 22, 23, 24, 25	Joint compound	Throughout	>1%	RACM**	Good	Yes	~6,000 ft^2
11-40, 41	Red 9" Tile	Janitors Closet	3%	I	Fair	No	100 ft^2

*As observed during the inspection and may change depending upon demolition or renovation techniques.

The United States Environmental Protection Agency's National Emission Standard for Hazardous Air Pollutants (NESHAP), Asbestos Final Rule currently classifies asbestos under three separate categories; they are as follows:

Category I Non-friable ACM: This category includes all asphalt roofing products and resilient flooring products (floor tile and sheet flooring). In theory, these materials consist mostly of cohesive elements which rarely release significant numbers of asbestos fibers into the air, even when they are damaged. In practice, however, roofing and flooring can become brittle or crumbly with age and be damaged enough by construction equipment to release fibers into the air during removal. At this point the EPA requires special methods during removal and handling of the materials to protect people against fiber release. If, on a specific renovation or demolition project, MTI believes there is a chance of fiber release associated with roofing or flooring, we assume that special methods (abatement by removal) will be required. In the case of intentional burning, all ACM, friable or non-friable, must be removed prior to any such activities.

Category II Non-friable ACM: This category includes all other non-friable asbestos containing materials. These materials must always be removed using special abatement methods if they are expected to be disturbed or damaged in any way during renovation or removal activities.

Regulated Asbestos Containing Materials (RACM): All friable asbestos containing materials, including Category I and II materials that have become or will become friable due to renovation or demolition activities. Friable asbestos is defined as any material containing more than one percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. These materials must always be removed using special abatement methods prior to any renovation or demolition activity.

MTI inspected and evaluated the roofing material during the inspection. Per EPA Regulations Title 40 CFR Part 61, section 145, Paragraph (c), Sub Paragraph (1). "RACM need not be removed prior to demolition if it is Category 1 non-friable ACM that is not in poor condition and is not friable". Additionally, the disposal facility must be willing to accept the waste with Category 1 non-friable ACM waste and the removal method must not be by mechanical means "sanding grinding or abrading" per NESHAP. As above, if waste is defined as RACM, the waste must be removed prior to demolition activities.

**Asbestos was found in the joint compound throughout the building. In accordance with the EPA's Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems [FRL-5399-3] outlined in Federal Register: December 19, 1995 (Volume 60, Number 243)][Rules and Regulations] [Page 65243-65244], the joint compound and the wallboard are composited into a wall system. Therefore, the amount of asbestos in the wall system is below 1% asbestos and can be disposed of as general construction debris. Disturbance of ACM joint compound during demolition or renovation activities is considered Class II asbestos work under current OSHA standards and appropriate worker training and protections should be followed.

MTI was able to perform some limited destructive sampling, which included exposing walls, ceilings, removing floor coverings, etc. However, MTI cannot guarantee that hidden ACM is not still present in the building without complete deconstruction of the structure. Additional sampling may be necessary if demolition or renovation activities expose previously unidentified suspect materials. During demolition or renovation activities, a National Emission Standard for Hazardous Air Pollutants (NESHAP) Competent Person must be on site in the event additional ACM is discovered and/or disturbed as outlined in Environmental Protection Agency (EPA) regulations 40 CFR Part 61.

MTI has conducted a lead survey via X-Ray Fluorescence Spectrometer (XRF) prior to renovation of a commercial building at the above reference address. MTI employed an Innovx Systems Alpha 4000 XRF to identify building materials painted or coated with lead. The XRF results are attached. Our survey did identify LBP present on components of the building, and the majority of painted surfaces contained some level of detectable lead.

The contractor will need to follow OSHA's Lead in Construction Rule and either provide historical data no older than one (1) year that shows similar techniques, equipment, and the same personnel completing the present tasks or an initial exposure assessment will need to be performed during demolition or disturbance of painted components containing any detectable lead. If the choice is made to remove the lead based paint and dispose of that only, the removal process must be performed by a trained and certified Lead Abatement Professional.

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MTI is pleased to have this opportunity to serve you and looks forward to a continuing relationship as your environmental consultant. If you have any questions regarding this letter or the attached analysis result please feel free to contact MTI at **(208) 376-4748.**

Respectfully submitted,

Jeff Lynch
Environmental Specialist

MATERIALS TESTING & INSPECTION

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TODD SORENSON
ITD DISTRICT 3
8150 CHINDEN BLVD
BOISE, ID 83714

MTI FILE #: B180595e

Project: 8150 Chinden Blvd. - ACM LBP
P.O. Number:
Date Received: 4/19/2018
Date Reported: 4/25/2018

Materials Testing and Inspection, Inc. (MTI) has conducted the following survey of the above-mentioned project per the client's request. Please reference the Cover Letter for location, quantity, and condition of each of the materials sampled below.

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
1-01	B154370	**Window Putty**, break room – grey hard-compact	**2% Chrysotile**		98% Other	
1-02	B154371	**Window Putty**, west end	**PP-NAR**			
1-03	B154372	**Window Putty**, north center	**PP-NAR**			
1-04	B154373	**Window Putty**, northwest	**PP-NAR**			
1-05	B154374	**Window Putty**, southwest	**PP-NAR**			
2-06	B154375	**Roofing** with Silver Paint, East End Parapet Wall - black bituminous layered granular fibrous	**40% Chrysotile in Felt**	15% Glass Fiber 41% Cellulose	40% Other	Silver Paint NAD
2-07	B154376	**Roofing** with Silver Paint, East End Parapet Wall - black bituminous layered granular fibrous	**40% Chrysotile in Felt**	15% Glass Fiber 41% Cellulose	40% Other	Silver Paint NAD
2-08	B154377	Roofing with Silver Paint, Center Field- black bituminous layered granular fibrous	NAD	20% Glass Fiber	80% Other	Silver Paint NAD
2-09	B154378	Roofing with Silver Paint, West Face Field- black bituminous layered granular fibrous	NAD	20% Glass Fiber	80% Other	Silver Paint NAD
2-10	B154379	Roofing with Silver Paint - South Face Field - black bituminous layered granular fibrous	NAD	50% Cellulose 10% Glass Fiber	40% Other	Silver Paint NAD
3-11	B154380	Drywall, 2nd floor supply area-white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
3-12	B154381	Drywall, 2nd floor supply area- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
3-13	B154382	Drywall, 2nd floor supply area- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
3-14	B154383	Drywall, 2nd floor supply area- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
3-15	B154384	Drywall, 2nd floor supply area- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
4-16	B154385	Drywall, 2nd floor central- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
4-17	B154386	Drywall, northwest- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
4-18	B154387	Smooth Texture, southwest room - white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
4-19	B154388	Drywall, center- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
4-20	B154389	Drywall, center- white semi compact powdery fibrous	NAD	40% Cellulose	60% Other	No Texture Present
5-21	B154390	**Joint Compound,** supply - tan semi compact powdery with fibers	**>1% Chrysotile**	40% Cellulose	60% Other	
5-22	B154391	**Joint Compound**, supply	**PP-NAR**			
5-23	B154392	**Joint Compound**, supply	**PP-NAR**			
5-24	B154393	**Joint Compound**, mechanical office	**PP-NAR**			
5-25	B154394	**Joint Compound**, mechanical office	**PP-NAR**			
6-26	B154395	2'x4' Ceiling Tile, office – white semi-compact fibrous	NAD	40% Cellulose	60% Other	
6-27	B154396	2'x4' Ceiling Tile, office - white semi-compact fibrous	NAD	40% Cellulose	60% Other	
6-28	B154397	2'x4' Ceiling Tile, office - white semi-compact fibrous	NAD	40% Cellulose	60% Other	
7-29	B154398	Carpet Mastic, south room	NAD		100% Mastic	
7-30	B154399	Carpet Mastic, south room	NAD		100% Mastic	
7-31	B154400	Carpet Mastic, south room	NAD		100% Mastic	
8-32	B154401	Cove with White Mastic, hall	NAD		98% Other 2% Mastic	
8-33	B154402	Cove with White Mastic, south room	NAD		98% Other 2% Mastic	
8-34	B154403	Cove with White Mastic, south room	NAD		98% Other 2% Mastic	
9-35	B154404	Brown Cove Mastic, break room	NAD		98% Other 2% Mastic	
9-36	B154405	Brown Cove Mastic, break room	NAD		98% Other 2% Mastic	
9-37	B154406	Brown Cove Mastic, break room north	NAD		98% Other 2% Mastic	
10-38	B154407	Light Speckle Texture, hall	NAD	50% Cellulose	50% Texture	
10-39	B154408	Light Speckle Texture, hall	NAD	40% Cellulose	60% Texture	
10-40	B154409	Light Speckle Texture, hall	NAD	40% Cellulose	60% Texture	
11-41	B154410	**Red 9" Vinyl Tile with Black Mastic**, janitor closet - hard compact granular with fibers	**3% Chrysotile in Tile**		97% Other <1% Mastic	Mastic inseparable from tile
11-42	B154411	**Red 9" Vinyl Tile with Black Mastic**, janitor closet - hard compact granular with fibers	**3% Chrysotile in Tile**		97% Other <1% Mastic	Mastic inseparable from tile
12-43	B154412	Spatter Texture on Concrete, break room – white hard cementitious	NAD	<1% Cellulose	100% Other	
12-44	B154413	Spatter Texture on Concrete, stair , grey hard cementitious	NAD		100% Other	
12-45	B154414	Spatter Texture on Concrete, hall, grey hard cementitious	NAD		100% Other	
12-46	B154415	Spatter Texture on Drywall, mechanical office	NAD	40% Cellulose	60% Other	
12-47	B154416	Spatter Texture on Drywall, mechanical office	NAD	40% Cellulose	60% Other	
13-48	B154417	Vinyl Stair Tread with Dark Brown Mastic- Testing - brown compact	NAD		100% Other <1% Mastic	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
13-49	B154418	Vinyl Stair Tread with Dark Brown Mastic- Testing - brown compact	NAD		100% Other <1% Mastic	
13-50	B154419	Vinyl Stair Tread with Dark Brown Mastic- Testing - brown compact	NAD		100% Other <1% Mastic	
14-51	B154420	VCT with clear mastic, office and break room - grey hard compact granular	NAD		98% Other 2% Mastic	
14-52	B154421	VCT with clear mastic, office and break room - grey hard compact granular	NAD		98% Other 2% Mastic	
14-53	B154422	VCT with clear mastic, office and break room - grey hard compact granular	NAD		98% Other 2% Mastic	
15-54	B154423	12" VCT with yellow mastic, storage west – grey hard compact granular	NAD		100% Other <1% Mastic	
15-55	B154424	12" VCT with yellow mastic, storage west - white hard compact granular	NAD		100% Other <1% Mastic	
15-56	B154425	12" VCT with yellow mastic, storage west - white hard compact granular	NAD		100% Other <1% Mastic	
16-57	B154426	Vapor Barrier, 2nd floor-brown fibrous	NAD	65% Cellulose	35% Other	
16-58	B154427	Vapor Barrier, 2nd floor-brown fibrous	NAD	65% Cellulose	35% Other	
16-59	B154428	Vapor Barrier, 2nd floor-brown fibrous	NAD	65% Cellulose	35% Other	
17-60	B154429	12" Stapled Ceiling Tile, mechanical office and storage-brown semi-compact fibrous	NAD	100% Cellulose	<1% Other	
17-61	B154430	12" Stapled Ceiling Tile, mechanical office and storage-brown semi-compact fibrous	NAD	100% Cellulose	<1% Other	
17-62	B154431	12" Stapled Ceiling Tile, mechanical office and storage-brown semi-compact fibrous	NAD	100% Cellulose	<1% Other	

Sample component percentages may not total 100% for multi-layered samples

Glossary of Acronyms

NAD - No Asbestos Detected
PP-NAR - Presume Positive-No Analysis Required
AFC - Asbestos Found As Contaminant
TRACE - Detectable but not quantifiable
IS - Insufficient Sample -percentages may be inaccurate

Sampled by: Jeff Lynch

Jennifer Babione

Analyzed by: Jennifer Babione
Environmental Services Asst. Manager

Reviewed by: Jeff Lynch
Environmental Specialist

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-friable organically bound materials is not consistently reliable using PLM analysis. This test report relates only to the items tested in the sample as submitted to the laboratory.

Analysis method: Polarized Light Microscopy (PLM) by EPA/600/R-93/116 with Central Stop Dispersion by NIOSH 9002
American Industrial Hygiene Association (AIHA) Performance Analytical Testing (PAT) Laboratory Number 101571

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TODD SORENSEN
ITD DISTRICT 3
8150 CHINDEN BOULEVARD
GARDEN CITY, IDAHO, 83713

MTI FILE #: B180595E

PROJECT: 8150 Chinden Blvd.
LOCATION: Boise, ID

Analysis Method: X-Ray Fluorescence Spectrometer
PO Number:

Table 1: X-Ray Fluorescence Spectrometer Initial Quality Control

Date	#	Pass / Fail	Standard Reference Material	Color	Result mg/cm²*	True Value mg/cm²
19-April-18	1	PASS	Standardization			
19-April-18	2	PASS	SRM 2570 (Blank)	White	0.00	<0.001
19-April-18	3	PASS	SRM 2573	Red	1.00 ± 0.10	1.040 ± 0.064
19-April-18	4	PASS	SRM 2573	Red	1.03 ± 0.10	1.040 ± 0.064
19-April-18	5	PASS	SRM 2573	Red	0.99 ± 0.10	1.040 ± 0.064

Table 2: X-Ray Fluorescence Spectrometer Lead-based Paint Sample Analysis Results

Date	#	Pass / Fail	Room	Component	Substrate	Color	Condition	Result	Regulatory Limit
19-April-18	6	Negative	East Shop	Wall	CMU	White	Good	0	1.0 mg/cm²
19-April-18	7	Negative	East Shop	Wall	CMU	Red	Good	0	1.0 mg/cm²
19-April-18	8	Negative	East Shop	Wall	CMU	White	Good	0	1.0 mg/cm²
19-April-18	9	Negative	East Shop	Wall	CMU	White	Good	0	1.0 mg/cm²
19-April-18	10	Negative	East Shop	Wall	CMU	White	Good	0.15	1.0 mg/cm²
19-April-18	**11**	**Positive**	**East Shop**	**Wall**	**CMU**	**Blue**	**Good**	**1.06**	**1.0 mg/cm²**
19-April-18	12	Negative	2nd to East	Wall	CMU	White	Good	0.06	1.0 mg/cm²
19-April-18	**13**	**Positive**	**2nd to East**	**Wall**	**CMU**	**Red**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	**14**	**Positive**	**2nd to East**	**Wall**	**CMU**	**Blue**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	15	Negative	2nd to East	Wall	Concrete	Brown	Good	0.11	1.0 mg/cm²
19-April-18	**16**	**Positive**	**2nd to East**	**Wall**	**Concrete**	**Brown**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	**17**	**Positive**	**2nd to East**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	18	Negative	North Center	Door	Wood	Stain	Good	0.07	1.0 mg/cm²
19-April-18	19	Negative	North Center	Door Trim	Wood	White	Good	0.27	1.0 mg/cm²
19-April-18	**20**	**Positive**	**North Center**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	21	Negative	North Center	Wall	Concrete	White	Good	0.06	1.0 mg/cm²
19-April-18	22	Negative	North Center	Wall	Concrete	White	Good	0.16	1.0 mg/cm²
19-April-18	23	Negative	North Center	Wall	Concrete	White	Good	0.13	1.0 mg/cm²

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Date	#	Pass / Fail	Room	Component	Substrate	Color	Condition	Result	Regulatory Limit
19-April-18	24	Negative	South Center	Wall	Concrete	White	Good	0.04	1.0 mg/cm^2
19-April-18	25	Negative	Garage	Door	Wood	Brown	Good	0.01	1.0 mg/cm^2
19-April-18	26	Negative	Garage	Wall	Concrete	Green	Good	0.2	1.0 mg/cm^2
19-April-18	**27**	**Positive**	**Garage**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	28	Negative	Garage	Wall	Concrete	White	Good	0.16	1.0 mg/cm^2
19-April-18	29	Negative	Garage	Wall	Concrete	Red	Good	0.62	1.0 mg/cm^2
19-April-18	**30**	**Positive**	**Garage**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	31	Negative	Garage	Floor	Concrete	White	Good	0.01	1.0 mg/cm^2
19-April-18	32	Negative	Garage	Post	Wood	Red	Good	0.71	1.0 mg/cm^2
19-April-18	33	Negative	Garage	Post	Wood	White	Good	0.06	1.0 mg/cm^2
19-April-18	34	Negative	Hall to mechanical	Wall	Concrete	Brown	Good	0.17	1.0 mg/cm^2
19-April-18	35	Negative	Hall to mechanical	Wall	GWB	Brown	Good	0	1.0 mg/cm^2
19-April-18	**36**	**Positive**	**Hall to mechanical**	**Wall**	**Concrete**	**Brown**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	**37**	**Positive**	**Break**	**Wall**	**GWB**	**Brown**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	38	Negative	Break	Wall	GWB	Brown	Good	0.03	1.0 mg/cm^2
19-April-18	39	Negative	Break	Wall	GWB	Brown	Good	0.04	1.0 mg/cm^2
19-April-18	**40**	**Positive**	**Break**	**Wall**	**GWB**	**Brown**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	41	Negative	Locker	Wall	GWB	Brown	Good	0.08	1.0 mg/cm^2
19-April-18	**42**	**Positive**	**Locker**	**Wall**	**GWB**	**Brown**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	**43**	**Positive**	**Locker**	**Wall**	**GWB**	**Brown**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	**44**	**Positive**	**Locker**	**Wall**	**GWB**	**Brown**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	45	Negative	Locker	Bench	GWB	Brown	Good	0.05	1.0 mg/cm^2
19-April-18	46	Negative	Office near break hall	Wall	Concrete	White	Good	0.08	1.0 mg/cm^2
19-April-18	47	Negative	Office near break hall	Wall	GWB	White	Good	0.17	1.0 mg/cm^2
19-April-18	48	Negative	Office near break hall	Wall	Concrete	White	Good	0	1.0 mg/cm^2
19-April-18	49	Negative	Office near break hall	Wall	Concrete	White	Good	0	1.0 mg/cm^2
19-April-18	50	Negative	Office near break hall	Wall	Concrete	White	Good	0.03	1.0 mg/cm^2
19-April-18	51	Negative	Supply Entry	Wall	GWB	White	Good	0	1.0 mg/cm^2
19-April-18	52	Negative	Supply Entry	Wall	Concrete	White	Good	0.08	1.0 mg/cm^2
19-April-18	**53**	**Positive**	**Supply Entry**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	**54**	**Positive**	**Supply Entry**	**Wall**	**Concrete**	**Green**	**Good**	**1**	**1.0 mg/cm^2**

Date	#	Pass / Fail	Room	Component	Substrate	Color	Condition	Result	Regulatory Limit
19-April-18	**55**	**Positive**	**Supply Entry**	**Wall**	**Concrete**	**Blue**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	56	Negative	Supply Entry	Floor	Concrete	Grey	Good	0	1.0 mg/cm²
19-April-18	**57**	**Positive**	**Supply Entry**	**Door Frame**	**Concrete**	**Grey**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	58	Negative	Supply Entry	Wall	Concrete	White	Good	0.01	1.0 mg/cm²
19-April-18	59	Positive	Supply Entry	Wall	Plywood	White	Good	1	1.0 mg/cm²
19-April-18	60	Negative	Supply Entry	Wall	Ceiling Tile	White	Good	0	1.0 mg/cm²
19-April-18	61	Negative	Supply Entry	Wall	Ceiling Tile	White	Good	0.03	1.0 mg/cm²
19-April-18	**62**	**Positive**	**Supply Office**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	**63**	**Positive**	**Supply Office**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	64	Negative	Supply Office	Wall	Concrete	White	Good	0.02	1.0 mg/cm²
19-April-18	65	Negative	Supply Office	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	**66**	**Positive**	**Supply Office**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	67	Negative	Supply Restroom	Wall	Concrete	White	Good	0.09	1.0 mg/cm²
19-April-18	68	Negative	Supply Restroom	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	69	Negative	Supply Restroom	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	70	Negative	Supply Restroom	Wall	GWB	White	Good	0	1.0 mg/cm²
19-April-18	71	Negative	Supply Restroom	Cabinet	Wood	Stain	Good	0	1.0 mg/cm²
19-April-18	**72**	**Positive**	**Northwest Corner**	**Wall**	**GWB**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	**73**	**Positive**	**Northwest Corner**	**Wall**	**GWB**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	74	Negative	Northwest Corner	Wall	Panel	White	Good	0.01	1.0 mg/cm²
19-April-18	**75**	**Positive**	**Northwest Corner**	**Wall**	**GWB**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	76	Negative	Northwest Corner	GWB	Whit	GWB	Good	0.03	1.0 mg/cm²
19-April-18	**77**	**Positive**	**Northwest Corner**	**Wall**	**GWB**	**Grey**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	78	Negative	Stair	Floor	Wood	Grey	Good	0.07	1.0 mg/cm²
19-April-18	79	Negative	2nd Floor	Wall	GWB	Green	Good	0.02	1.0 mg/cm²
19-April-18	80	Negative	2nd Floor	Wall	GWB	Green	Good	0	1.0 mg/cm²

Date	#	Pass / Fail	Room	Component	Substrate	Color	Condition	Result	Regulatory Limit
19-April-18	81	Negative	2nd Floor	Wall	GWB	Green	Good	0.08	1.0 mg/cm^2
19-April-18	**82**	**Positive**	**2nd Floor**	**Wall**	**GWB**	**Green**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	83	Negative	2nd Floor	Wall	GWB	Green	Good	0	1.0 mg/cm^2
19-April-18	**84**	**Positive**	**2nd Floor**	**Wall**	**GWB**	**Green**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	85	Negative	2nd Floor	Wall	GWB	White	Good	0.52	1.0 mg/cm^2
19-April-18	86	Negative	Southwest room	Wall	GWB	White	Good	0.12	1.0 mg/cm^2
19-April-18	87	Negative	Southwest room	Wall	GWB	White	Good	0	1.0 mg/cm^2
19-April-18	88	Negative	Southwest room	Wall	Panel	Stain	Good	0	1.0 mg/cm^2
19-April-18	89	Negative	Southwest room	Wall	GWB	White	Good	0	1.0 mg/cm^2
19-April-18	90	Negative	Southwest room	Wall	GWB	White	Good	0	1.0 mg/cm^2
19-April-18	91	Negative	Southwest room	Ceiling	GWB	White	Good	0.01	1.0 mg/cm^2
19-April-18	92	Negative	Office Closet	Wall	GWB	White	Good	0	1.0 mg/cm^2
19-April-18	**93**	**Positive**	**Office Closet**	**Wall**	**GWB**	**White**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	94	Negative	Office Closet	Wall	GWB	White	Good	0.05	1.0 mg/cm^2
19-April-18	95	Negative	Office Closet	Wall	GWB	White	Good	0.03	1.0 mg/cm^2
19-April-18	96	Negative	Office Closet	Shelf	Wood	Stain	Good	0.02	1.0 mg/cm^2
19-April-18	97	Negative	Office Closet	Door fame	Wood	Stain	Good	0.01	1.0 mg/cm^2
19-April-18	98	Negative	Hall south of office	Wall	GWB	white	Good	0.02	1.0 mg/cm^2
19-April-18	99	Negative	Hall south of office	Door frame	Wood	Brown	Good	0.04	1.0 mg/cm^2
19-April-18	**100**	**Positive**	**Stockroom office**	**Wall**	**Plywood**	**White**	**Good**	**1**	**1.0 mg/cm^2**
19-April-18	101	Negative	Stockroom office	Wall	Plywood	White	Good	0.03	1.0 mg/cm^2
19-April-18	102	Negative	Stockroom office	Wall	CMU	White	Good	0	1.0 mg/cm^2
19-April-18	103	Negative	Stockroom office	Wall	Plywood	White	Good	0	1.0 mg/cm^2
19-April-18	104	Negative	Stockroom office	Wall	Plywood	White	Good	0	1.0 mg/cm^2
19-April-18	105	Negative	Stockroom office	Wall	CMU	White	Good	0	1.0 mg/cm^2
19-April-18	106	Negative	Supply	Wall	CMU	White	Good	0	1.0 mg/cm^2
19-April-18	107	Negative	Supply	Post	Concrete	White	Good	0	1.0 mg/cm^2
19-April-18	108	Negative	Supply	Wall	CMU	White	Good	0	1.0 mg/cm^2
19-April-18	109	Negative	Supply	Wall	CMU	White	Good	0	1.0 mg/cm^2

MATERIALS TESTING & INSPECTION

❑ Environmental Services ❑ Geotechnical Engineering ❑ Construction Materials Testing ❑ Special Inspections

Date	#	Pass / Fail	Room	Component	Substrate	Color	Condition	Result	Regulatory Limit
19-April-18	**110**	**Positive**	**Hall**	**Wall**	**CMU**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	111	Negative	Electric room	Wall	Concrete	Brown	Good	0	1.0 mg/cm²
19-April-18	112	Negative	Electric room	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	**113**	**Positive**	**Office stairs**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	114	Negative	Office stairs	Wall	Concrete	White	Good	0.07	1.0 mg/cm²
19-April-18	**115**	**Positive**	**Office stairs**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	116	Negative	Office stairs	Wall	Concrete	White	Good	0.1	1.0 mg/cm²
19-April-18	**117**	**Positive**	**Office stairs**	**Wall**	**Concrete**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	118	Negative	2nd floor supply	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	119	Negative	2nd floor supply	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	120	Negative	2nd floor supply	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	121	Negative	2nd floor supply	Wall	Concrete	White	Good	0	1.0 mg/cm²
19-April-18	122	Negative	2nd floor supply	Wall	Concrete	White	Good	0.03	1.0 mg/cm²
19-April-18	**123**	**Positive**	**2nd floor supply**	**Ceiling**	**GWB**	**White**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	124	Negative	Mechanical	Wall	Concrete	White	Good	0.07	1.0 mg/cm²
19-April-18	**125**	**Positive**	**Mechanical**	**Wall**	**Concrete**	**Gray**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	126	Negative	Mechanical	Wall	Concrete	White	Good	0.06	1.0 mg/cm²
19-April-18	**127**	**Positive**	**Mechanical**	**Wall**	**Concrete**	**Gray**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	128	Negative	Mechanical	Wall	Concrete	White	Good	0.11	1.0 mg/cm²
19-April-18	**129**	**Positive**	**Mechanical**	**Wall**	**Concrete**	**Gray**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	130	Negative	Mechanical	Wall	Concrete	White	Good	0.16	1.0 mg/cm²
19-April-18	131	Negative	Mechanical	Wall	Concrete	Gray	Good	0.22	1.0 mg/cm²
19-April-18	**132**	**Positive**	**Exterior**	**Wall**	**Concrete**	**Brown**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	133	Negative	Exterior	Wall	Concrete	Brown	Good	0.05	1.0 mg/cm²
19-April-18	134	Negative	Exterior	Wall	Concrete	Brown	Good	0	1.0 mg/cm²
19-April-18	135	Negative	Exterior	Wall	Concrete	Brown	Good	0	1.0 mg/cm²
19-April-18	**136**	**Positive**	**Exterior**	**Wall**	**Concrete**	**Brown**	**Good**	**1**	**1.0 mg/cm²**
19-April-18	**137**	**Positive**	**Exterior**	**Wall**	**Concrete**	**Brown**	**Good**	**2.38**	**1.0 mg/cm²**
19-April-18	138	Negative	Exterior	Wall	Concrete	Brown	Good	0	1.0 mg/cm²

Table 3: X-Ray Fluorescence Spectrometer Final Quality Control

Date	#	Pass / Fail	Standard Reference Material	Color	Result mg/cm²	True Value mg/cm²
26-Sept-17	139	PASS	SRM 2570 (Blank)	White	0.00	<0.001
26-Sept-17	140	PASS	SRM 2573	Red	1.07 ± 0.11	1.040 ± 0.064
26-Sept-17	141	PASS	SRM 2573	Red	0.97 ± 0.10	1.040 ± 0.064
26-Sept-17	142	PASS	SRM 2573	Red	0.98 ± 0.10	1.040 ± 0.064

* mg/cm^2 = milligrams per square centimeter

- OSHA regulates lead under Title 29 Code of Federal Regulations Part 1910.1025 the General Industry Standard for Lead (Not applicable for Construction); and Title 29 Code of Federal Regulations Part 1926.62 the Construction Industry Standard for Lead. Where lead is found in construction samples scheduled for demolition, OSHA would require appropriate air sampling to reflect the amount of lead dust that is airborne.

SAMPLED BY:	Jeff Lynch
REPRESENTING:	Materials Testing & Inspection
ANALYZED BY:	Materials Testing & Inspection

Respectfully submitted
MATERIALS TESTING & INSPECTION

Jeff Lynch
Environmental Specialist