

ASBESTOS INSPECTION
The Amity High School (Boiler)
at
503 Oak S. W. Oak Avenue
Amity, Oregon 97101

Prepared For:

Steve Park, Facility Manager
Amity School District SD 4J
807 S. Trade Avenue
Amity, Oregon 97101
Facility Maintenance Phone No. 971-237-6825

EIS Job No. 2019023. Amity High School Boiler

Prepared By:

Charles A. Spear
AHERA Certification #IR-19-2439A
Environmental Inspection Services
11981 Fargo Road
Aurora, Oregon 97002
cell # (503) 680-6398
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Charles A. Spear

Charles A. Spear, Partner

April 4, 2019



EIS
ENVIRONMENTAL INSPECTION SERVICES



April 4, 2019
EIS JOB No. 2019023.Amity High School boiler letter

Steve Park, Facility Manager
Amity School District
807 S. Trade Street
Amity, Oregon 97101

RE: Asbestos 2019 asbestos inspection of the Amity boiler
at the Amity High School located at 503 Oak Avenue in Amity,
Oregon

Dear Mr. Park,

Charles A. Spear of Environmental Inspection Services (EIS) conducted a limited asbestos material sampling episode at the Amity High School boiler pipe runs above the boiler on Wednesday, March 27, 2019. A total of ten (10) samples of suspect asbestos containing material was collected and submitted to a NVLAP certified laboratory known as Environmental Hazard Services (EHS) located at 7469 White Pine Road in Richmond, Virginia on Wednesday, March 27, 2019. Friable chrysotile and amosite asbestos was analytically confirmed in a total of two (2) discreet and bulk samples identified as sample No.s 6 and 7 collected from a horizontal and vertical boiler pipe positioned directly above the boiler.

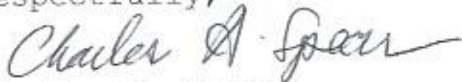
Mechanical damage of this thermal system insulation (TSI) should be avoided. The TSI should be abated by a licensed and certified asbestos abatement contractor with permits and abatement notifications prior to any planned disturbances of the wrapped horizontal and vertical pipe lagging positioned above the boiler.

The TSI asbestos containing material is summarized as follows;

<u>Sample No.</u>	<u>Location</u>	<u>Description</u>	<u>Result</u>
6	Vertical to valve TSI	White powder, fibrous, yellow fibrous, inhomogeneous (Vertical boiler pipe above boiler)	30% chrysotile 15% amosite
7	Horizontal 1' pipe lagging	Off-White powder, fibrous, yellow fibrous, inhomogeneous (Horizontal boiler 1' pipe above boiler)	10% chrysotile 20% amosite

The remaining eight (8) bulk samples were none detected for asbestos. It is estimated that 10-25 feet of vertical and horizontal pipe lagging positioned directly above the boiler may require licensed and certified asbestos abatement work with permits and notifications prior to boiler removal work if this material is planned for disturbances.

Respectfully,



Charles A. Spear
Partner
AHERA Inspector IR-19-2439A



Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 19-04-00475

Client: Environmental Inspection Services
11981 Fargo Road, NE
Aurora, OR 97002

Received Date: 04/03/2019
Analyzed Date: 04/04/2019
Reported Date: 04/04/2019

Project/Test Address: Amity H/S Boiler

Client Number:
38-1916

Laboratory Results

Fax Number:
503-678-5063

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-04-00475-001	1		White/Yellow Fibrous; Homogeneous	NAD	5% Cellulose 75% Fibrous Glass 15% Synthetic 5% Non-Fibrous
19-04-00475-002	2		Tan Fibrous; Homogeneous	NAD	5% Cellulose 92% Fibrous Glass 3% Non-Fibrous
19-04-00475-003	3		Yellow Fibrous; Homogeneous	NAD	2% Cellulose 95% Fibrous Glass 3% Non-Fibrous
19-04-00475-004	4		Gray/Brown Granular; Black Tar-Like; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 38-1916
 Project/Test Address: Amity H/S Boiler

Report Number: 19-04-00475

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-04-00475-005	5		Yellow/Tan Fibrous; Gray Paint-Like; Inhomogeneous	NAD	65% Cellulose 25% Fibrous Glass 10% Non-Fibrous
19-04-00475-006	6		White Powdery Fibrous; Yellow Fibrous; Inhomogeneous	30% Chrysotile 15% Amosite	10% Cellulose 35% Fibrous Glass 10% Non-Fibrous
Total Asbestos: 45%					
Unable to separate materials.					
19-04-00475-007	7		Off-White Powdery Fibrous; Yellow Fibrous; Inhomogeneous	10% Chrysotile 20% Amosite	10% Cellulose 35% Fibrous Glass 25% Non-Fibrous
Total Asbestos: 30%					
Unable to separate materials.					
19-04-00475-008	8		Black Cementitious; Pliable; Inhomogeneous	NAD	100% Non-Fibrous
19-04-00475-009	9		Yellow Fibrous; Homogeneous	NAD	95% Fibrous Glass 5% Non-Fibrous
19-04-00475-010	10		White Fibrous; Homogeneous	NAD	97% Fibrous Glass 3% Non-Fibrous

Per Guck -
Analyze Samples
1 day TAT

4/10/19 @ 11:55 am

Asbestos Cleanup Job Form
7465 Whitepine Rd
Richmond, VA 23237



Company Name: Environmental Inspection Serv. Project: ~~Asbestos~~

Asbestos Chain-of-Custody Form
Additional Page(s) Amt: 1/1/19

LAB USE ONLY



19-04-00475

Due Date: 04/04/19
- (Monday) - Thurs
AE
10PLM

Lab No.	Client Sample ID	HA Area #	Date	Time	Collection	PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	TEM - Bulk	Comments
1	- boiler seal		3/27/19	11:00	AMJ, PM	X					fish seal.
2	- boiler backheat pipe				AMJ, PM	X					overhead pipe (1')
3	- boiler & pipe				AMJ, PM	X					vertical insul (6" vert)
4	- boiler abrams				AMJ, PM	X					abras underneath
5	- horizontal pipe				AMJ, PM	X					pipe casing (wrap)
6	- vertical boiler pipe				AMJ, PM	X					above boiler vent to vertical
7	- boiler - horizontal				AMJ, PM	X					above boiler vent to vertical
8	- boiler seal gasket				AMJ, PM	X					monitored above 1' pipe casing)
9	- vertical riser				AMJ, PM	X					near gasket.
10	- grey elbow wrap				AMJ, PM	X					1 vertical riser.
					AMJ, PM						above boiler

Released by: Glenn S Signature: Glenn S Date/Time: 4/11/19
 Received by: AMJ, PM Signature: AMJ, PM Date/Time: 4/3/19

THIS IS TO CERTIFY THAT

CHARLES SPEAR
HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE
for
ASBESTOS INSPECTOR REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 03/08/2019

Course Location: Portland, OR

Certificate: IR-19-2439A



4-Hour AHERA Inspector Refresher
Training; AHERA is the Asbestos Hazard
Emergency Response Act enacting Title II
of Toxic Substance Control Act (TSCA)

Expiration Date: 03/08/2020

For verification of the authenticity of this
certificate contact:
PBS Environmental
4412 SW Corbett Avenue
Portland, OR 97239
(503) 248-1939

A handwritten signature in black ink that reads "Gregory M. Baker". The signature is written in a cursive style with a prominent 'G' and 'B'.

Greg Baker, Instructor