



July 26, 2018

Mr. Bernie Rice
Assistant Director of Physical Properties
Ann Arbor Public Schools
2555 South State Street
Ann Arbor, Michigan 48104

RE: **Project #AE180676**
Asbestos Bulk Sample Results
Community High School

Dear Mr. Rice:

Attached are the results of the bulk samples, collected by Arch Environmental Group, Inc. (AEG), from the above referenced site for asbestos analysis. The samples were analyzed utilizing Polarized Light Microscopy (PLM), according to the EPA-600/M4-82-020 Interim Method.

The materials were collected from locations associated with the ongoing renovations at the facility. The following materials were sampled and analyzed as ASBESTOS-CONTAINING.

- NONE

All other suspect materials were sampled and analyzed as non-asbestos-containing. The sample result information is attached for your review. AEG will include copies of this bulk sample report in the school's management plan.

Arch Environmental Group, Inc. looks forward to working with you in the future and helping you to address any concerns regarding environmental health and safety. If you have any questions regarding this report, or if I can be of further assistance please feel free to contact me at (248) 426-0165.

Sincerely,

Arch Environmental Group, Inc.
Environmental Services

A handwritten signature in black ink, appearing to read 'Eric Kliemann', is written over a light blue horizontal line.

Eric Kliemann
Technician, healthAIR

Attachments: Bulk Sampling and Laboratory Information
Asbestos Bulk Sample Analysis Report
Official Laboratory Sample Results

File: AE180676

BULK SAMPLING and LABORATORY INFORMATION

The information listed below is provided to summarize pertinent information regarding the collection and analysis of the bulk sample(s).

BULK SAMPLING INFORMATION

Date of Sampling: July 23, 2018

Name of Accredited Inspector who collected Bulk Sample(s):

Name: Eric Kliemann

Accreditation Number: A47044

State of Accredited: Michigan

Accred. Exp. Date: March 24, 2019

Training Exp. Date: April 23, 2019

Signature of Accredited Inspector who collected Bulk Sample(s):



LABORATORY INFORMATION

Name of Laboratory: APEX Research Laboratories

Address of Laboratory: 11054 Hi Tech Drive
Whitmore Lake, Michigan 48189

Name of Analyst: Robert T. Letarte

Signature of Analyst: See Attached Laboratory Results Sheet

NVLAP Number: 102118

Laboratory Statement of Accreditation:

All samples collected by Arch Environmental Group, Inc. are analyzed for asbestos by laboratories accredited under the National voluntary Laboratory Accreditation Program (NVLAP), in accordance with 40 CFR, Part 763.87(a). This program is provided under the auspices of the United States Department of Commerce National Institute of Standards and Technology. The NVLAP Accreditation Number for the laboratory which performed the asbestos bulk analysis on the samples collected is provided above and noted on the Official Laboratory Results.



ASBESTOS BULK SAMPLE ANALYSIS RESULTS

Client: Ann Arbor Public Schools
Building: Community High School
Location: Boiler Room
Project #: AE180676

Samples Collected By: Eric Kliemann
Sample Collection Date: July 23, 2018
Samples Analyzed By: APEX Research, Inc.
Sample Analysis Date: July 23, 2018

Sample #	HA Description	Sample Location	Results
180676-001A	Chimney Stack Rope Gasket, Tan	Boiler Room	No Asbestos Observed
180676-001B	Chimney Stack Rope Gasket, Tan	Boiler Room	No Asbestos Observed
180676-001C	Chimney Stack Rope Gasket, Tan	Boiler Room	No Asbestos Observed
180676-002A	Chimney Stack Rope Gasket, White	Boiler Room	No Asbestos Observed
180676-002B	Chimney Stack Rope Gasket, White	Boiler Room	No Asbestos Observed
180676-002C	Chimney Stack Rope Gasket, White	Boiler Room	No Asbestos Observed

Official Laboratory Results are attached.

Asbestos-Containing Materials (ACM) means "Any material or product which contains more than 1% asbestos" (40 CFR 763.83)



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Community HS
Project # AE180676

Report To:

Mr. Eric Kliemann
Arch Environmental Group
37720 Interchange Drive
Farmington Hills, MI 48335

ARI Report # 18-78413
Date Collected: 07/23/18
Date Received: 07/23/18
Date Analyzed: 07/23/18
Date Reported: 07/24/18

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 78413 - 01 Cust. #: 180676-001A Material: Chimney Stack Rope Gasket, Tan Location: Boiler Room Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 95% Other - 5%
Lab ID #: 78413 - 02 Cust. #: 180676-001B Material: Chimney Stack Rope Gasket, Tan Location: Boiler Room Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 95% Other - 5%
Lab ID #: 78413 - 03 Cust. #: 180676-001C Material: Chimney Stack Rope Gasket, Tan Location: Boiler Room Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 95% Other - 5%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project: Community HS
Project # AE180676

Report To:

Mr. Eric Kliemann
Arch Environmental Group
37720 Interchange Drive
Farmington Hills, MI 48335

ARI Report # 18-78413
Date Collected: 07/23/18
Date Received: 07/23/18
Date Analyzed: 07/23/18
Date Reported: 07/24/18

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 78413 - 04 Cust. #: 180676-002A Material: Boiler Rope Gasket, White Location: Boiler Room Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 50% Other - 50%
Lab ID #: 78413 - 05 Cust. #: 180676-002B Material: Boiler Rope Gasket, White Location: Boiler Room Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 50% Other - 50%
Lab ID #: 78413 - 06 Cust. #: 180676-002C Material: Boiler Rope Gasket, White Location: Boiler Room Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 50% Other - 50%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

78413

Apex #

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991.
Web Site: <http://apexresearch-inc.com>. Email: Bob.Letarte@apexresearchlab.com



Customer Name: Arch Environmental Group, Inc.
Address: 37720 Interchange Drive
City, St., Zip: Farmington Hills, MI 48335
Phone: (248) 426-0165 Fax: (248) 427-0305

Date of Survey: 7-23-18

Project: Community HS
Project # AE180676
Contact Person: Eric Klumpp
Email: labs@archenvgroup.com

Lab Use Only
Log-In: _____
Report: _____
Fax: _____
Verbal: _____
Email: _____

Turn Around Times: (Circle One)

Rush 24 hour

48 hour 72 hour

Other: TTP (yes) / no (Test Till Positive for all asbestos bulk samples unless TEM; otherwise noted.)

***Terms and conditions on the other side.

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
Lead: Bulk _____ Wipe _____ Air _____ Paint _____
Mold: Bulk _____ Tape _____ BioSIS _____ Other _____
Bulk/NOP _____ AHERA _____ EPA Level II _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
1	180676-001A	Chimney Stack rope Gasket	Ten	Boiler room	
2	B	"	"	"	
3	C	"	"	"	
4	0024	Boiler Rope Gasket	White	Boiler room	
5	B	"	"	"	
6	C	"	"	"	

Relinquished By: RECEIVED
Date: 7-23-18
Revision Date: June 2011

Relinquished By: _____
Date: _____

APEX RESEARCH

Eric R. Kliemann

Accredited Asbestos Inspector & Management Planner

State: Michigan
 Accreditation Number: A47044
 Accreditation Expiration Date: March 24, 2019 (Inspector)
 June 1, 2018 (Management Planner)
 Training Provider: ETC Training Services Group (Inspector and Management Planner)
 Training Expiration Date: April 23, 2019 (Inspector and Management Planner)

Signature:


