



June 24, 2019

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

RE: **Project #AE190523**
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 'Philip Grosse', with a long horizontal line extending to the right.

Philip Grosse
Project Consultant II, healthAIR

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

File: AE190523

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: June 21, 2019

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

Name: Philip Grosse
Accreditation Number: A16487
State of Accredited: Michigan
Accred. Exp. Date: June 15, 2020
Training Exp. Date: April 15, 2020

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: Cafeteria
Project #: AE190523

Samples Collected By: Philip Grosse
Sample Collection Date: June 21, 2019
Samples Analyzed By: APEX Research, Inc.
Sample Analysis Date: June 24, 2019

Sample #	HA Description	Sample Location	Results
CHS-01A	Troweled On Popcorn Ceiling	Cafeteria	No Asbestos Observed
CHS-01B	Troweled On Popcorn Ceiling	Cafeteria	No Asbestos Observed
CHS-01C	Troweled On Popcorn Ceiling	Cafeteria	No Asbestos Observed
CHS-02/03A	Smooth Plaster Wall Finish Coat	Cafeteria	No Asbestos Observed
CHS-02/03A	Plaster Brown Coat	Cafeteria	No Asbestos Observed
CHS-02/03B	Smooth Plaster Wall Finish Coat	Cafeteria	No Asbestos Observed
CHS-02/03B	Plaster Brown Coat	Cafeteria	No Asbestos Observed
CHS-02/03C	Smooth Plaster Wall Finish Coat	Cafeteria	No Asbestos Observed
CHS-02/03C	Plaster Brown Coat	Cafeteria	No Asbestos Observed
CHS-04/05A	12x12 Tile, Grey Mottled	Cafeteria	No Asbestos Observed
CHS-04/05A	Mastic	Cafeteria	No Asbestos Observed
CHS-04/05B	12x12 Tile, Grey Mottled	Cafeteria	No Asbestos Observed
CHS-04/05B	Mastic	Cafeteria	No Asbestos Observed
CHS-06A	Window Caulk, White	Cafeteria	No Asbestos Observed
CHS-06B	Window Caulk, White	Cafeteria	No Asbestos Observed
CHS-07A	Door Caulk, White	Cafeteria	No Asbestos Observed
CHS-07B	Door Caulk, White	Cafeteria	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 : AAPS- Community HS
Project # : AE190523

Report To:

Mr. Phil Grosse, Mr. Roosevelt Austin
Arch Environmental Group
37720 Interchange Drive
Farmington Hills, MI 48335

ARI Report # 19-84756
Date Collected: 06/21/19
Date Received: 06/21/19
Date Analyzed: 06/24/19
Date Reported: 06/24/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 84756 - 01 Cust. #: CHS-01A Material: Troweled on Popcorn Ceiling Location: Cafeteria Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 84756 - 02 Cust. #: CHS-01B Material: Troweled on Popcorn Ceiling Location: Cafeteria Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 84756 - 03 Cust. #: CHS-01C Material: Troweled on Popcorn Ceiling Location: Cafeteria Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%

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 must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal 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.



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Test Method, Polarized Light Microscopy (PLM)



Project : AAPS- Community HS
Project # : AE190523

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37720 Interchange Drive
Farmington Hills, MI 48335

ARI Report # 19-84756
Date Collected: 06/21/19
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Date Analyzed: 06/24/19
Date Reported: 06/24/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 84756 - 04 Cust. #: CHS-02/03A Material: Smooth Plaster Wall Finish Coat Location: Cafeteria Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 84756 - 04a Cust. #: CHS-02/03A Material: Plaster Brown Coat Location: Cafeteria Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 84756 - 05 Cust. #: CHS-02/03B Material: Smooth Plaster Wall Finish Coat Location: Cafeteria Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Project # : AE190523

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Farmington Hills, MI 48335

ARI Report # 19-84756
Date Collected: 06/21/19
Date Received: 06/21/19
Date Analyzed: 06/24/19
Date Reported: 06/24/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 84756 - 05a Cust. #: CHS-02/03B Material: Plaster Brown Coat Location: Cafeteria Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 84756 - 06 Cust. #: CHS-02/03C Material: Smooth Plaster Wall Finish Coat Location: Cafeteria Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 84756 - 06a Cust. #: CHS-02/03C Material: Plaster Brown Coat Location: Cafeteria Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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ARI Report # 19-84756
Date Collected: 06/21/19
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Date Analyzed: 06/24/19
Date Reported: 06/24/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 84756 - 07 Cust. #: CHS-04/05A Material: 12x12 Tile, Grey Mottled Location: Cafeteria Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 84756 - 07a Cust. #: CHS-04/05A Material: Mastic Location: Cafeteria Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 84756 - 08 Cust. #: CHS-04/05B Material: 12x12 Tile, Grey Mottled Location: Cafeteria Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Project # : AE190523

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Arch Environmental Group
37720 Interchange Drive
Farmington Hills, MI 48335

ARI Report # 19-84756
Date Collected: 06/21/19
Date Received: 06/21/19
Date Analyzed: 06/24/19
Date Reported: 06/24/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 84756 - 08a Cust. #: CHS-04/05B Material: Mastic Location: Cafeteria Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 84756 - 09 Cust. #: CHS-06A Material: Window Caulk, White Location: Cafeteria Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 84756 - 10 Cust. #: CHS-06B Material: Window Caulk, White Location: Cafeteria Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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ARI Report # 19-84756
Date Collected: 06/21/19
Date Received: 06/21/19
Date Analyzed: 06/24/19
Date Reported: 06/24/19

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 84756 - 11 Cust. #: CHS-07A Material: Door Caulk, White Location: Cafeteria Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 84756 - 12 Cust. #: CHS-07B Material: Door Caulk, White Location: Cafeteria Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Apex # **84756**

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: 6/21/19
Project: APPS - COMMUN 17Y HS
Project # AK 190523
Contact Person: PHIL G / ROSEY A
Email: labs@archenvgroup.com

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

Turn Around Times: (Circle One)

Rush _____
48 hour 24 hour
72 hour _____
Other: _____

TTP yes / no
(Test Till Positive)
*Note: 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	Other

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
1	CHS - 01A	THROWAWAY IN TOP CORN CORNER	"	CAFFENA	
2	01B	"	"	"	
3	01C	"	"	"	
4	02/03A	SMOOTH PLASTER WALL, FINISH / PAINT	"	CAFFENA	
5	02/03B	"	"	"	
6	02/03C	"	"	"	
7	04/05A	12X 12 TILE / MORTAR, GARY MATHIAS / CORNER ENLA	"	"	
8	04/05B	"	"	"	
9	06A	WILMOR CHALK, WHITE / CAFFENA	"	"	
10	06B	"	"	"	
11	07A	POOL CHALK, WHITE / CAFFENA	"	"	

Relinquished By: [Signature] Date: 6/21/19
 Received By: [Signature] Date: JUN 21 2019
 Relinquished By: _____ Date: _____
 Relinquished By: _____ Date: _____

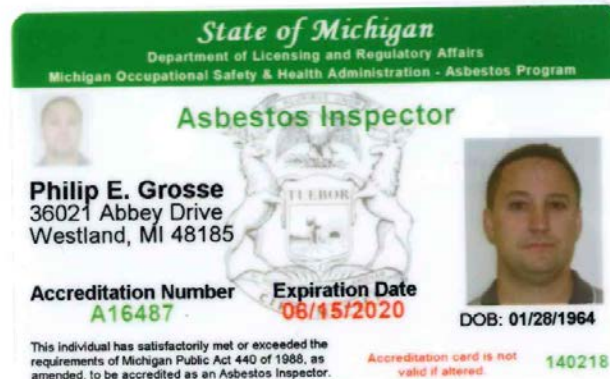


Philip E. Grosse

Accredited Asbestos Inspector, Asbestos Management Planner

State: Michigan
 Accreditation Number: A16487
 Accreditation Expiration Date: June 15, 2020
 Training Provider: Arch Environmental Group
 Training Expiration Date: April 15, 2020

Signature: 



Certificate of Achievement

This certifies that

PHILIP E. GROSSE

#xxx-xx-9431

has completed Arch Environmental Group, Inc.'s

ASBESTOS INSPECTOR REFRESHER COURSE

Fulfills requirements under TSCA Title II

Compliant with 40 CFR 763 and Michigan Public Act 440 of 1988 as amended

Course Location: AEG Corporate Office

Course Date: April 15, 2019

Expiration Date: April 15, 2020

Certificate No. 19105



Scott P. Staber, Course Trainer



37720 Interchange Drive
Farmington Hills, MI 48335
(248) 426-0165 ph / (248) 427-0305 fx
www.archenvgroup.com