Asbestos Survey Report

Pelbano Recreation Center Roofs
8101 Bustleton Avenue
Philadelphia PA 19152

Prepared For:

George Buckmann, RA, LEED AP
Converse Winkler Architecture LLC
331 Montgomery Ave.
Bala Cynwyd, PA 19004

Prepared by:

BATTA Environmental Associates, Inc
6 Garfield Way
Newark, DE. 19713

October 16, 2020
BEA #995820

Prepared by: Todd K. Zeisloft
[Todd K. Zeisloft / Project Manager]

Reviewed By:
[Neeraj Batta /Vice President]

George Buckmann, RA, LEED AP
Converse Winkler Architecture LLC
331 Montgomery Ave.
Bala Cynwyd, PA 19004

October 16, 2020

RE: BEA#995820 /Asbestos Roof Survey at Polbano Recreation Center, 8101 Bustleton Ave. Philadelphia PA 19152

Mr. Buckman:

Batta Environmental Associates, Inc. (BEA) performed an asbestos survey of multiple roof sections (Roofs A,B,C, & D) and interior areas of water damage at the Pelbano Recreation Center located at 8101 Bustleton Avenue in Philadelphia, Pennsylvania. The survey was conducted on September 27, 2020, by Nick Mariconda (AIC18-000005) of Batta Environmental Associates, Inc. (BEA), an EPA Certified Building Inspector and Philadelphia licensed Asbestos Investigator. Mold air samples were also collected from areas affected by water intrusion.

ASBESTOS

The purpose of this asbestos survey was to identify the presence, and extent of asbestos-containing materials (ACM) on the roof sections and water damaged areas. ACM is defined by the Occupational Safety & Health Administration (OSHA) as materials containing greater than 1% asbestos by composition.

The inspection was performed by a certified asbestos building inspector, experienced in identifying and sampling suspect ACM in conjunction with representatives from the Roofing Company (Bob) and the General Contractor (George). All of the exterior areas of interest to the representatives present were investigated. All observed suspect materials of interest were sampled to determine asbestos content. No materials were assumed to contain asbestos.

A total of nine (9) samples (many were layered - resulting in numerous analyses for each sample) were collected as a part of this survey. All samples collected were analyzed at Batta Laboratories, LLC using Polarized Light Microscopy (PLM) methods. PLM samples were analyzed utilizing the Environmental Protection Agency's test method: "Methods for the determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, July 1993) and the McCrone Research Institute's "The Asbestos Particle Atlas" as the principal analytical references.

The following table summarizes the samples collected and identifies and quantifies materials that contain asbestos in amounts greater than 1 % (NAD = No Asbestos Detected, RACM = regulated Asbestos Containing Material, CAT NF = Category I Non-friable ACM, and CAT II NF = Category II Non-friable ACM).

Polbano Recreation Center, 8101 Bustleton Ave. Philadelphia PA					
Material	**Location**	**% ACM**	**Category**	**Condition**	**Quantity**
Roof Core	Roof A-2	NAD	NA	NA	NA
Roof Core	**Roof B - North**	**8% Chrysotile**	**CAT I NF**	**Good**	**1,400 SF**
Roof Cores	Roof B - East, West, B-2	NAD	NA	NA	NA
Roof Core	**Roof B - Far East**	**7% Chrysotile**	**CAT I NF**	**Good**	**1,600 SF**
Roof Edge Mastic	**Roof B-East**	**2% Chrysotile**	**CAT I NF**	**Good**	**130 LF**
Roof Edge Mastic	Roof B-West	NAD	NA	NA	NA
Roof Core	Roof D	NAD	NA	NA	NA

Asphalt Roofing and Edge Mastics are a Category I Non-friable ACM and are not regulated in the City of Philadelphia as long as the material is not rendered friable through mechanical means such as sawing, sanding, or, grinding. A licensed asbestos contractor is not required as long as the material is not rendered friable, and conventional demolition methods do not render this material friable, but proper handling and disposal of the materials is required. The ACM materials are NOT to be recycled.

MOLD

The purpose of this mold investigation was to identify the presence, and extent of mold above background levels within water damaged areas of the facility.

The inspection was performed by an experienced indoor air quality field technician, skilled in identifying and sampling for mold. Only select interior areas of interest were sampled, including the Rawhurst AA Room, a classroom, and the Multi-Purpose Room. An outdoor ambient sample was also secured as a reference sample to compare the indoor samples to. A blank was also included in the samples to act as a control for the group of samples.

A total of three (3) indoor samples, one (1) outdoor sample, and one (1) blank were included in this set of samples. All samples collected were analyzed at Batta Laboratories, LLC using Batta SoP EM-1 and ASTM D7391-17 methods.

One of the samples (Rawhurst AA Room) had an elevated count for the spores of Chaetomium, which was not detected in any of the other samples or the blank. Chaetomium is common to water damaged materials, and presents a musty odor. Skin and nail infections have been linked to this mold. It also potentially may produce a mycotoxin that can be dangerous to individuals with compromised immune systems.

The following table summarizes the results of the samples analyzed.
(Counts above outdoor level are shaded in YELLOW.)

Polbano Recreation Center, 8101 Bustleton Ave. Philadelphia PA															
Location	Rawhurst AA Room			Classroom			Multi-Purpose Room			Outdoor			Blank		
Spores	Raw Count	Spores/ m^3	% of Total	Raw Count	Spores/ m^3	% of Total	Raw Count	Spores/ m^3	% of Total	Raw Count	Spores/ m^3	% of Total	Raw Count	Spores/ m^3	% of Total
Alternaria										12	465	1			
Ascospores	4	155	4	3	116	18	1	39	3	83	3220	9			
Aspergillus/ Penicillium	21	815	23	7	272	41	10	388	33	42	1630	4			
Basidiospores	3	116	3	3	116	18	4	155	13	103	9990	27			
Cercospora										14	543	1			
Chaetomium	40	1550	43												
Cladosporium	22	853	24	2	78	12	15	582	50	104	20200	55			
Ganoderma										5	194	1			
Nigrospora										1	39	0			
Rusts/ Smuts/ Myxomycetes										7	272	1			
Unidentified	3	116	3	2	78	12				3	116	0			
Total	93	3610	100	17	659	100	30	1160	100	374	36600	100	0	N/A	0

During renovations, any visible mold should be addressed by removal of the affected materials or the surfaces should be thoroughly cleaned and disinfected prior to completion of any surfaces in the area(s).

LEAD BASED PAINT

No Lead Based Paint was suspected or tested based on the inspector's estimated age of the impacted areas.

A City of Philadelphia Asbestos Inspection Report (AIR), laboratory certificates of analysis, chain of custody, and other field paperwork pertaining to the asbestos survey at Pelbano Recreation Center, in Philadelphia, Pennsylvania are attached. If you should shave any questions or concerns, please feel free to contact me at (302) 737-3376, extension 106.

Sincerely,

Todd K. Zeisloff

Todd K. Zeisloff
Project Manager

Attached: *City of Philadelphia Asbestos Inspection Report (AIR)*
Laboratory Certificates of Analysis for PLM and Mold Samples
Survey Field Paperwork
Licenses & Certifications

Ph: 855.862.2882
Fx: 302.737.5764

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6 Garfield Way *Fx (302) 737-5764*
Newark, DE 19713-5817 *www.battaenv.com*

BULK SAMPLING RECORD / CHAIN OF CUSTODY

Project Name: Pelbano Rec Center BEA#: 995820

Site Inspected: Pelbano Rec Center
Adult Retirement Center

Building Inspector: Nick Markonda BI#: Date: 9 / 27 / 20

Building Inspector: BI#: (MO) TU WE TH FR SA SU
(circle one)

Project Manager: Todd Zeisloft / Neeraj Batta

FIELD DATA:

Included	Not Applicable		
☐	☑	1. Job safety Analysis	9 Total # of Samples Submitted
☑	☐	2. Bulk Sample Data Sheet / Log	
☑	☐	3. Floor Plan Sketch with Location Diagram	
☐	☑	4. Materials Inventory Work Sheet	
☑	☐	5. Events Log	Site Arrival Time: 0900 hrs
☑	☐	6. Asbestos Survey Data Checklist	Site Departure Time: 1500 hrs

POST ANALYSIS DATA REVIEW / QAQC:

Project Manager: TKZeisloff Date Reviewed: 10/15/2020

BLI#: L171820

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NOTE TO ANALYST – Positive Stop Unless Otherwise Noted on this COC

BULK SAMPLE DATA SHEET

PLM ☐EPA ☐POINT COUNT ☐NOB TEM ☐YES/NO ☐NOB ☐EPA

Date/Time **Results Required:** 10 / 6 / 20 0800 HRS
Date/Time Cert of Analysis Req: / / HRS
Results to: ~~☐Inspector~~ ☐Manager: NM/NB
☐Client: ☐Phone: ☐Fax:
~~☐E-mail~~: NM/SW/NB

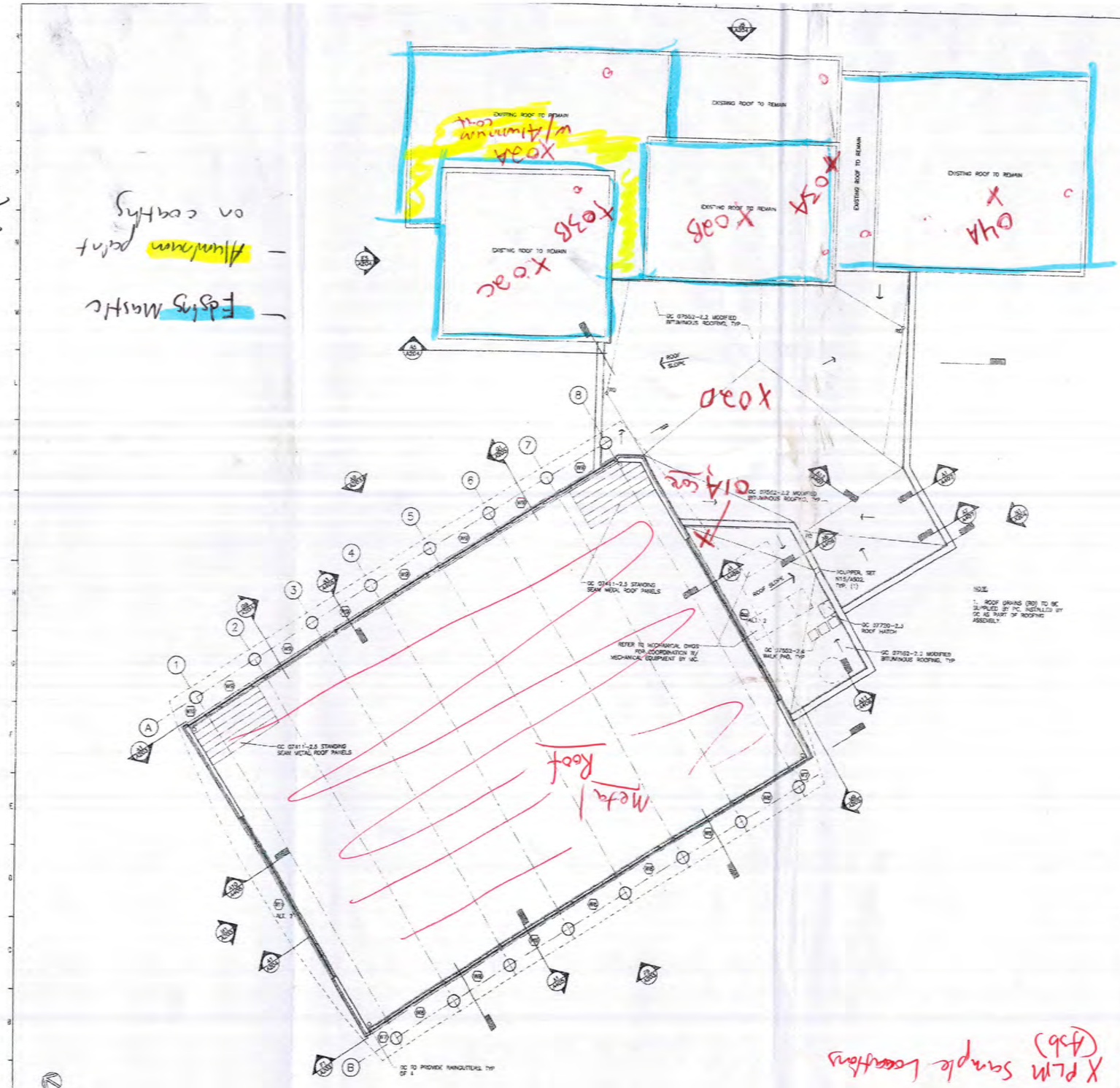
Project Name: Peblano Roof – Bustleton Ave Philly **BEA#** 995820
Site Inspected / Address: Peblano Roof – Bustleton Ave Philly
Inspector(s): NM
B.I. #:
Date Inspected 9 / 28 / 20

Page ___ of ___

SAMPLE NUMBER FIELD	SAMPLE NUMBER LAB 1159	MATERIAL SAMPLED Note 2	AHERA CLASS	Note1 CONDITION G / D / S		ALL LOCATIONS, Name & Circle Sample Locations (E.1, E.2 ,0.1, 1.1, 1.3, 2.2, ...)	MATERIAL QUANTITY	Note 3 SAMPLE COMPOSITION	SAMPLE COLOR	RESULTS %	RESULTS TYPE	
09/28/20 01 (A) B, C	340	Roof core	M	G	N F	Roof D (Peblano)		L	Black	NAD		A
02 (A) B C	341/342 343/344	Roof core	M	G	N F	Roof (Peblano) A) B NORTH B) B EAST C) B WEST D) B-2		L	Black	5% NAD NAD NAD	CHRY	A B C D
03 (A) B C	345/346	Roof edging mastic	M	G	N F	Roof (Peblano) A) B EAST B) B WEST		H	Black	2% NAD	CHRY	A B
04 (A) B, C	347	Roof core	M	G	N F	Roof B FAR EAST (Peblano)		L	Black	~~5~~ 7%	CHRY	A
05 (A) B, C	348	Roof core	M	G	N F	Roof A-2 (Old folks)		L	Black	NAD		A
A, B, C					N F							
A, B, C					N F							
A, B, C					N F							
A, B, C					N F							
A, B, C					N F							
A, B, C					N F							
A, B, C					N F							
A, B, C					N F							
A, B, C					N F							

Notes: 1 AHERA Classification: T=Thermal Insulation, S=Surfacing, M=Miscellaneous 2 Material Sampled: Pipe Covering, Boiler Breeching, Ceiling Tile, Floor Tiles, Sheet Flooring, etc. 3 Sample Composition: Homogeneous, Mixed, Layered

Relinquished By:	Date: 9 / 28 / 20	Time:	Received By:	Date: 9 / 30 / 20	Time: 625
Delivered By:	Date: / /	Time:	Received By:	Date: / /	Time:
Delivered By:	Date: / /	Time:	Received By:	Date: / /	Time:
Delivered By:	Date: / /	Time:	Received By:	Date: / /	Time:



GENERAL SYMBOLS & DIMENSION TYPES

REFERENCE SYMBOLS

DRAWING NOTATION LEGEND

ABBREVIATIONS (ARCH DWGS.)

MATERIAL DESIGNATIONS (IN SECTION)

DEMOLITION/NEW CONSTRUCTION LEGEND

ROOM FINISH SCHEDULE

FLOOR FINISHES AND BASE TYPES

WALL FINISHES

CEILING FINISHES

REVISIONS

DATE	REVISIONS

CITY OF PHILADELPHIA
C·P·O
CAPITAL PROGRAM OFFICE

PROJECT MANAGER: MEMPHIS DIAZ

Buell Kratzer Powell, Ltd.
Architect

Chilton Engineering, Inc.
Structural Engineers

Bruce Brooks & Associates
M/P/E Engineers

Hunt Engineering Co.
Civil Engineers

Synterra Ltd.
Landscape Architects

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
14TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
NEW CONSTRUCTION FOR
NEW NORTHEAST COMMUNITY CENTER

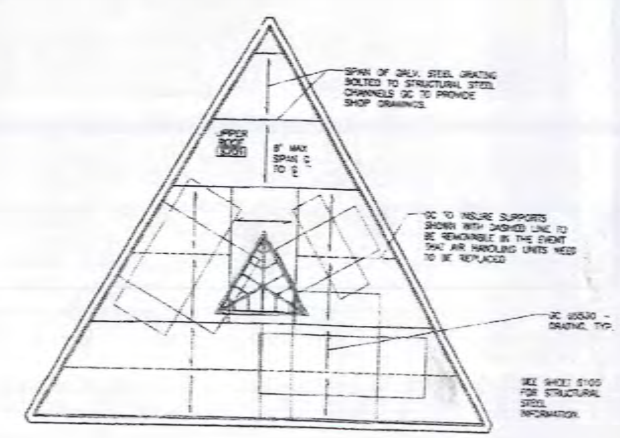
DRAWING TITLE
RECREATION CENTER
MAIN BUILDING ROOF PLAN

PROJECT NO. 16-02-4619-01
DRAWING NO. A104
DATE JULY 9, 2004
SCALE
DRAWN BY DST
CHECKED BY JHP

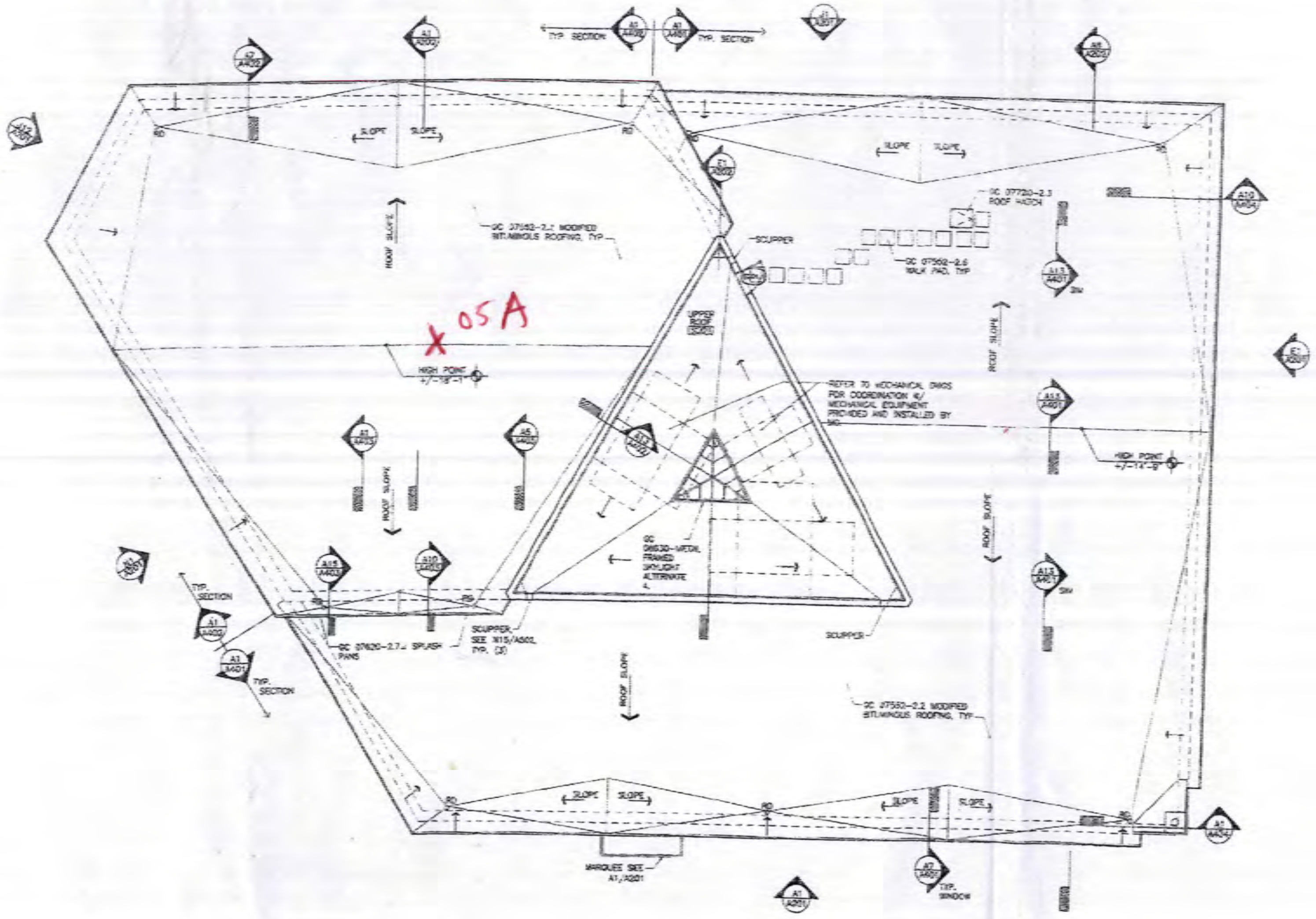
A1 PARTIAL ROOF PLAN / UPPER GYMNASIUM PLAN - RECREATION CENTER
SCALE: 1/8"=1'-0"

A16 NOTES & LEGEND
NO SCALE

X RLM Sample locations
(Asb)



L1 GRATING PLAN – OLDER ADULT CENTER
SCALE: 3/8"=1'-0"



NOTE:
1. ROOF DRAINS (RD) TO BE SUPPLIED BY PC. INSTALLED BY OC AS PART OF ROOFING ASSEMBLY.

A1 ROOF PLAN – OLDER ADULT CENTER
SCALE: 3/8"=1'-0"

GENERAL SYMBOLS & DIMENSION TYPES

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MATERIAL DESIGNATIONS (IN SECTION)

DEMOLITION/NEW CONSTRUCTION LEGEND

ROOM FINISH SCHEDULE

FLOOR FINISHES AND BASE TYPES

WALL FINISHES

CEILING FINISHES

A16 NOTES & LEGEND
NO SCALE

REVISIONS

DATE	REVISIONS

CITY OF PHILADELPHIA
C·P·O
CAPITAL PROGRAM OFFICE

MEMPHIS DIAZ

Buell Kratzer Powell, Ltd.
Architect

Chilton Engineering, Inc.
Structural Engineers

Bruce Brooks & Associates
MPE Engineers

Hunt Engineering Co.
Civil Engineers

Synterra Ltd.
Landscape Architects

CITY OF PHILADELPHIA
CAPITAL PROGRAM OFFICE
1515 ARCH STREET
11TH FLOOR, ONE PARKWAY BUILDING

NEW CONSTRUCTION FOR
NEW NORTHEAST COMMUNITY CENTER

OLDER ADULT CENTER
ROOF PLAN

16-02-4619-01
JULY 9, 2004
A102
DST
JHP

Bea# 995820
Pelbano RecCtr
Roofs
9/28/20 NM
Pg 1 of 2

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EVENTS LOG

Project Name: Pelbano Roof Survey
Site Inspected: Pelbano Rec Center
Building Inspector (s): NM
BEA#: 995820
Date: 9/27/20
Events Log Sheet 1 of 1

Time(24hr)	Event
0830	arrive onsite, Call to Gom team and walk through area to get a scope of the work.
0930	Site walk through.
1000	Access Roof begin sampling protocal.
1100	Roof sampling continues.
1300	Sampling continues / Access Pelbano Mold area concerns and take Mold air samples within the areas
1400	Roof Access "Retirement building"
1500	offsite / continue w/ Paperwork
	— Samples taken at direction of Bob the roofer and George the GC

BATTA Environmental

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ASBESTOS SURVEY DATA CHECKLIST

Project Name: Pelbano Roof Rec Center BEA#: 995820
Site Inspected: Pelbano Roof / Retirement Roof Date: 9 / 27 / 20
Building Inspector(s): N. Marcolongo Checklist Sheet 1 of 1

Instructions: ***'~~Strikethrough~~' if not observed, not present or not included, 'X' box if present and inspected***

Scope of Work: ☑ Renovation ☐ Demolition
☐ Limited Renovation (list areas)________
☑ Roof Included ☐ Exterior Included

Number of structures included in survey: ______

Structure # 2 Type or Usage of structure: Rec Center

Structure Description: ☑ one story ☐ two story ☐ three story ☐ split level ☐ ______

Elements of the structure

☑ Roof	☐ Shingles	☑ Rolled	☐ Built-up(flat)	☑ Membrane	☐ Multiple layers
	☐ Transite	☑ Metal	☐ Tar Paper	☐ ______	
☑ Flashing	☐ Chimney	☑ Edge	☐ Wall	☐ Parapet/Cap	☐ Patch
	☐ Vent	☐ Mechanical	☐ Drain	☐ Pitch Pocket	☐ ______
☑ Exterior	☐ Wood	☑ Vinyl	☑ Alum./Steel	☐ ______	☐ ______
	☑ Brick	☐ Block	☐ Stone	☐ Stucco	☐ Transite
	☐ Peaks	☐ Dormers	☐ Multiple layers		
☑ Structure	☐ Wood Frame	☑ Steel Frame	☑ Full Masonry	☐ ______	
☑ Foundation	☑ Slab	☐ Crawlspace	☐ Basement	☐ Dirt Floor	☐ Concrete Floor
	☐ Debris	☐ Bearing Plates	☐ ______		
☐ ~~Attic~~					
☐ ~~Fireproofing~~	☐ ~~Beams~~	☐ ~~Decking~~	☐ ~~Columns~~	☐ ______	
☐ ~~Insulation~~	☐ ~~Attic/Roof~~	☐ ~~Ceilings~~	☐ ~~Walls~~	☐ ~~Floors~~	
	☐ ~~Pipe~~	☐ ~~Duct~~	☐ ~~Duct Board~~	☐ ~~Wiring~~	
	☐ ~~Boiler~~	☐ ~~Heater~~	☐ ~~Gaskets~~	☐ ~~Water Heater~~	
	☐ ~~Heat Shield~~	☐ ~~Wood Stove~~	☐ ~~Fireplace~~	☐ ~~Flue Packing~~	☐ ~~Flue Pipe~~
☐ ~~Vibration Damper Cloth on Ducts~~					
☐ ~~Fire Doors~~	☐ ~~Insulated~~	☐ ______			
☐ ~~Caulk~~	☐ ~~Building~~	☐ ~~Window~~	☐ ~~Door~~	☐ ~~Tel/Elec Entry~~	☐ ______
☐ ~~Glazing Bed~~	☐ ~~Putty~~	☐ ~~Rubber/Vinyl~~	☐ ~~None~~	☐ ______	
☐ ~~HVAC units~~	☐ ~~Duct Insul.~~	☐ ~~Pipe Insul.~~			
☐ ~~Cooling Tower~~	☐ ~~Exterior~~	☐ ~~In-Fill~~	☐ ~~Pipe Insul.~~	☐ ______	
☐ ~~Ceiling~~	☐ ~~Plaster~~	☐ ~~Drywall/JC~~	☐ ~~Textured~~	☐ ~~Open~~	☐ ______
	☐ ~~Glued Tiles~~	☐ ~~Stapled Tiles~~	☐ ~~Splined Tiles~~	☐ ~~Drop in tiles~~	☐ ______
☐ ~~Walls~~	☐ ~~Drywall/ JC~~	☐ ~~Plaster~~	☐ ~~Textured~~	☐ ~~Ceramic, metal or plastic tile mastic~~	
	☐ ~~Paneling/nails~~	☐ ~~Paneling/mastic~~	☐ ~~Baseboard mastic~~	☐ ______	
☐ ~~Floors~~	☐ ~~Concrete~~	☐ ~~Stone/Slate~~	☐ ~~Ceramic~~	☐ ~~Terrazzo~~	☐ ______
	☐ ~~Wood~~	☐ ~~Carpet~~	☐ ~~Sheet Floor~~	☐ ~~Floor Tile~~	☐ ______
	☐ ~~Sheet mastic~~	☐ ~~Tile mastic~~	☐ ~~Ceramic mastic~~	☐ ~~Stone/Slate mastic~~	☐ ______
☐ ~~Sinks~~	☐ ~~Sound deadener spray-on~~		☐ ~~Stone-like Utility/ Laundry~~		
☐ ~~Electrical Panel Backer Board~~				☐ other______	
☐ ~~Containers of Asbestos containing mastics, glues, roofing coatings~~				☐ other______	
☐ ~~other~~______			☐ ~~other~~______		

Dedicated to a Cleaner Environment Since 1982

NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead

batta LABORATORIES

BATTA LABORATORIES, LLC

A Certified MBE Company

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Newark, DE19713-5817
Tel. (302)737-3376 Fax (302) 737-5764

Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/07/20

Sampling Data

Date Sampled: 09/28/20
Sampled By: N.MARICON
BLI Project #: L171820
Project Name: 995820 PEBLANO ROOF - BUSTLETON AVE., PHILA - PEBLANO ROOF
Date Analyzed: 10/05/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1159340	09.28.20.01A	Roof (Peblano)	Roof Core	No	Fibrous Soft Granular Heterogeneous	Black	15% Synthetic Fiber 85% Non-fibrous Material	No Asbestos Found
1160242	09.28.20.01A (Layer 1)	Roof (Peblano)	Roofing Tar	n/a	Soft Homogeneous	Black	10% Synthetic Fiber 90% Non-fibrous Material	No Asbestos Found
1160243	09.28.20.01A (Layer 2)	Roof (Peblano)	Roofing Tar Paper	n/a	Fibrous Paper-like Homogeneous	Black	20% Fiber Glass 80% Non-fibrous Material	No Asbestos Found
1159341	09.28.20.02A	Roof (Peblano)	Roof Core	No	Fibrous Soft Paper-like Homogeneous	Black	4% Cellulose 5% Synthetic Fiber 83% Non-fibrous Material	8% Chrysotile Total Asbestos = 8%
1160244	09.28.20.02A (Layer 1)	Roof (Peblano)	Roofing Tar	n/a	Soft Homogeneous	Black Silver	20% Synthetic Fiber 80% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: RM

QA/QC Officer/Signatory

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NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead

batta LABORATORIES

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Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/05/20

Sampling Data

Date Sampled: 09/28/20
BLI Project #: L171820
Sampled By: N.MARICON
Project Name: 995820 PEBLANO ROOF - BUSTLETON AVE., PHILA - PEBLANO ROOF
Date Analyzed: 10/05/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1160245	09.28.20.02A (Layer 2)	Roof (Peblano)	Roofing Shingles	n/a	Granular Fibrous Soft Heterogeneous	Black	2% Synthetic Fiber 98% Non-fibrous Material	No Asbestos Found
1159342	09.28.20.02B	Roof (Peblano)	Roof Core	No	Granular Fibrous Soft Heterogeneous	Black	2% Cellulose 10% Synthetic Fiber 88% Non-fibrous Material	No Asbestos Found
1160246	09.28.20.02B (Layer 1)	Roof (Peblano)	Roofing Tar	n/a	Soft Homogeneous	Black	3% Synthetic Fiber 97% Non-fibrous Material	No Asbestos Found
1160247	09.28.20.02B (Layer 2)	Roof (Peblano)	Roofing Foam	n/a	Soft Homogeneous	Tan	2% Synthetic Fiber 98% Non-fibrous Material	No Asbestos Found
1159343	09.28.20.02C	Roof (Peblano)	Roof Core	No	Granular Fibrous Soft Heterogeneous	Black	20% Synthetic Fiber 80% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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ANALYST: PMG

REVIEWED BY: _____

QA/QC Officer/Signatory

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batta LABORATORIES

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Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/05/20

Sampling Data

Date Sampled: 09/28/20
BLI Project #: L171820
Sampled By: N.MARICON
Project Name: 995820 PEBLANO ROOF - BUSTLETON AVE., PHILA - PEBLANO ROOF
Date Analyzed: 10/05/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1160248	09.28.20.02C (Layer 1)	Roof (Peblano)	Roofing Tar	n/a	Soft Homogeneous	Black	2% Cellulose 2% Synthetic Fiber 96% Non-fibrous Material	No Asbestos Found
1160249	09.28.20.02C (Layer 2)	Roof (Peblano)	Roofing Foam	n/a	Soft Homogeneous	Tan	3% Cellulose 97% Non-fibrous Material	No Asbestos Found
1159344	09.28.20.02D	Roof (Peblano)	Roof Core	No	Granular Soft Heterogeneous	Black	2% Synthetic Fiber 98% Non-fibrous Material	No Asbestos Found
1160250	09.28.20.02D (Layer 1)	Roof (Peblano)	Roofing Tar	n/a	Soft Homogeneous	Black	2% Cellulose 98% Non-fibrous Material	No Asbestos Found
1160251	09.28.20.02D (Layer 2)	Roof (Peblano)	Roofing Membrane	n/a	Soft Homogeneous	Black	3% Cellulose 1% Synthetic Fiber 96% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: RLO

QA/QC Officer/Signatory

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EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/05/20

Sampling Data

BLI Project #: L171820
Project Name: 995820 PEBLANO ROOF - BUSTLETON AVE., PHILA - PEBLANO ROOF

Date Sampled: 09/28/20
Sampled By: N.MARICON
Date Analyzed: 10/05/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1159345	09.28.20.03A	Roof (Peblano)	Roof Edging Mastic	No	Fibrous Soft Heterogeneous	Black	10% Fiber Glass 88% Non-fibrous Material	2% Chrysotile Total Asbestos = 2%
1160252	09.28.20.03A (Layer 1)	Roof (Peblano)	Roofing Tar	n/a	Soft Homogeneous	Black	3% Cellulose 3% Synthetic Fiber 94% Non-fibrous Material	No Asbestos Found
1159346	09.28.20.03B	Roof (Peblano)	Roof Edging Mastic	No	Soft Homogeneous	Black	5% Cellulose 3% Synthetic Fiber 92% Non-fibrous Material	No Asbestos Found
1159347	09.28.20.04A	Roof (Peblano)	Roof Core	No	Granular Soft Homogeneous	Black	8% Cellulose 12% Synthetic Fiber 80% Non-fibrous Material	No Asbestos Found
1160253	09.28.20.04A (Layer 1)	Roof (Peblano)	Roofing Tar	n/a	Soft Homogeneous	Black	2% Cellulose 5% Fiber Glass 93% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: RLQ

QA/QC Officer/Signatory

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EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/05/20

Sampling Data

Date Sampled: 09/28/20
BLI Project #: L171820
Sampled By: N.MARICON
Project Name: 995820 PEBLANO ROOF - BUSTLETON AVE., PHILA - PEBLANO ROOF
Date Analyzed: 10/05/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1160254	09.28.20.04A (Layer 2)	Roof (Peblano)	Roofing Membrane	n/a	Soft Homogeneous	Black	4% Cellulose 96% Non-fibrous Material	No Asbestos Found
1160255	09.28.20.04A (Layer 3)	Roof (Peblano)	Roofing Tar Paper	n/a	Soft Paper-like Homogeneous	Tan	93% Non-fibrous Material	7% Chrysotile Total Asbestos = 7%
1160256	09.28.20.04A (Layer 4)	Roof (Peblano)	Roofing Insulation	n/a	Fibrous Heterogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
1160257	09.28.20.04A (Layer 5)	Roof (Peblano)	Roofing Foam	n/a	Soft Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
1159348	09.28.20.05A	Roof (Old Folks)	Roof Core	No	Granular Soft Heterogeneous	Black	5% Synthetic Fiber 10% Fiber Glass 85% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: RJQ

QA/QC Officer/Signatory

*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richterite, tremolite, and actinolite.

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EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/05/20

Sampling Data

Date Sampled: 09/28/20
BLI Project #: L171820
Sampled By: N.MARICON
Project Name: 995820 PEBLANO ROOF - BUSTLETON AVE., PHILA - PEBLANO ROOF
Date Analyzed: 10/05/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1160258	09.28.20.05A (Layer 1)	Roof (Old Folks)	Roofing Insulation	n/a	Fibrous Soft Homogeneous	Brown	5% Cellulose 95% Non-fibrous Material	No Asbestos Found
1160259	09.28.20.05A (Layer 2)	Roof (Old Folks)	Roofing Tar	n/a	Soft Homogeneous	Black	5% Synthetic Fiber 95% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

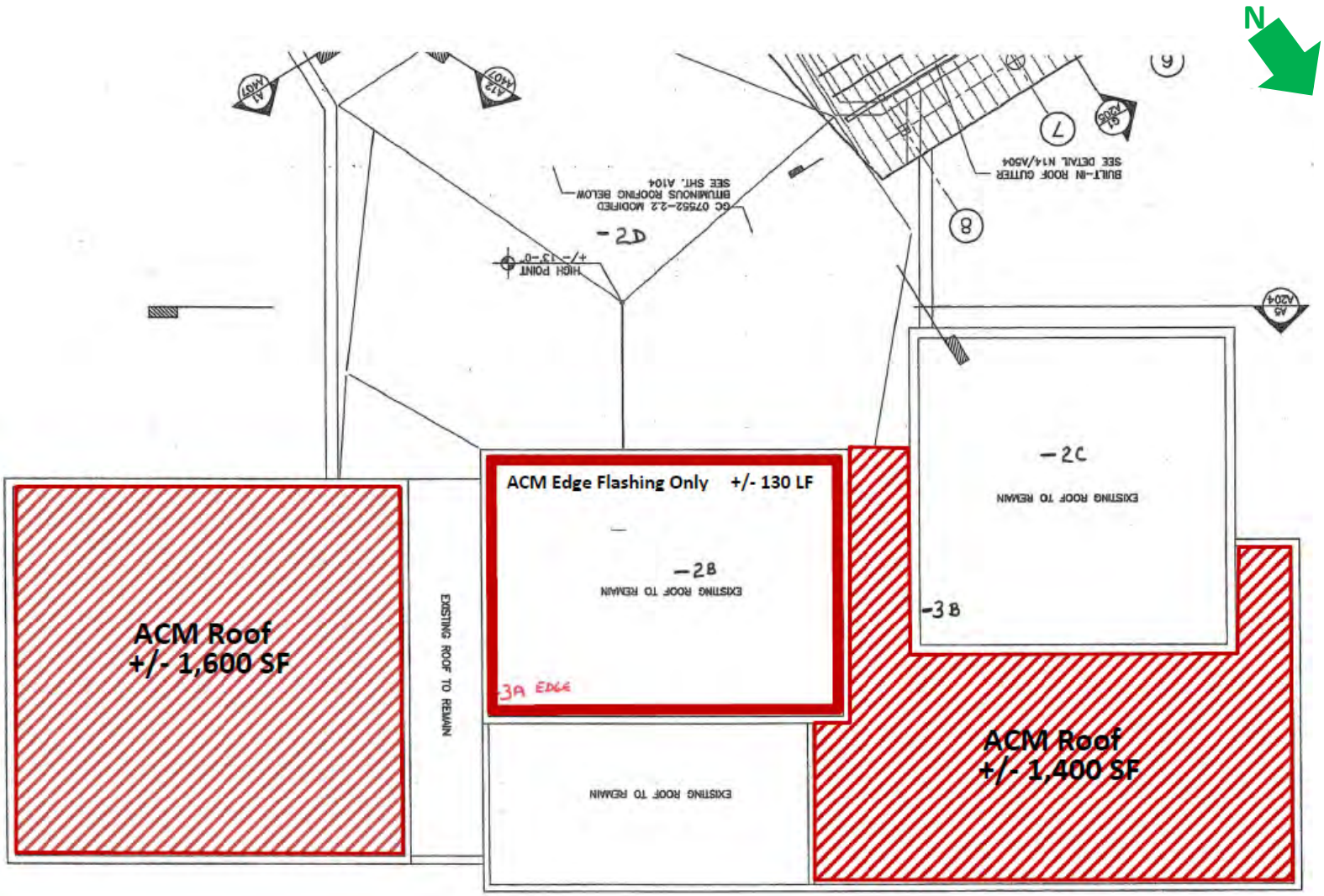
Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: RM

QA/QC Officer/Signatory



NOT TO SCALE – FOR LOCATION REFERENCE ONLY – NOT FOR ESTIMATING

BATTA Environmental

- Geo-Environmental
- Indoor Air Quality
- Industrial Hygiene
- Env. Engineering

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Fax: 215-569-0216

Owings Mills, MD
10451 Mill Run Circle,
Suite 400
Owings Mills, Maryland 21117
Phone: 410-356-8849

PROJECT TITLE

Asbestos Containing Roofing Materials Locations

Pelbano Rec. Ctr.
8101 Bustleton Ave.
Philadelphia, PA

BEA# 995820

DATE:	3/31/21
PROJECT NO:	16517E-03-01
CAD DWG FILE:	995820-1
DRAWN BY:	TKZ
CHECKED BY:	NKB
DWG NO::	1
REVISION:	
SCALE:	NTS

City of Philadelphia - Department of Public Health
Public Health Services - Air Management Services
Asbestos Control Unit - 321 University Av., 19104

Asbestos Inspection Report

Office Use Only

Date Received L&I:	Date Received AMS:
Date Inspected:	Inspector #

Name of Building:	Address	Phone #
Pelbano Recreational Center	8101 Bustleton Avenue Philadelphia, PA 19152	
Name of Building Owner:	Address	Phone #
City of Philadelphia, Department of Parks and Recreation	1515 Arch St, 10th Floor Philadelphia, PA 19102	
Name of Licensed Investigator:	License #	Phone #
Nick Mariconda	AIC18-000005	302 737-3376
Name of Certified Lab:	License #	Phone #
Batta Laboratories, LLC	112	302 737-3376

Scope of Work: (include all locations) Roof Assessment Only.

☐ Could not complete the inspection because the building or a portion of has been declared imminently dangerous (ID*) and* in danger of collapse.
INVESTIGATOR MUST BE ON SITE DURING DEMOLITION!

Asbestos Containing Material Present? ☒ Yes (List Below) ☐ No

List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area. Page 1 of 1

Location	Description	Type (Code 1)	Amount Square	Amount Linear	Condition (Code 2)	Action (Code 3)
Roof B - North	Roof Field - all	NF1		1,400 S.F.	ND	NRN
Roof B - Far East	Roof Field - all	NF1		1,600 S.F.	ND	NRN
Roof B - East (edges only)	Roof Edge Mastic	NF1		750 L.F.	ND	NRN

Code 1
FRI - Friable
NF1 - Non-Friable, Cat. 1
NF2 - Non-Friable, Cat. 2

Code 2
DD - Deteriorated or Delaminated
ND - Non-Damaged

Code 3
REM - Removal necessary prior to Demo/Reno
NRN - No removal necessary, label ACM
REP - Repair & Label ACM, removal not necessary

I hereby certify that the foregoing statements are true and the information contained in this report is true. This certification is made subject to the penalties set forth in 18 PA. C.S. S4904 relating to unsworn falsification to authorities. Furthermore I certify that the inspection, sampling, and labeling requirements of section X of the Asbestos Control Regulation (ACR) have been met. The building owner has been notified of the ACR requirements and given a copy of this report. If the inspection has revealed ACM which will be disturbed by the proposed work or if it has revealed ACM in bad condition, the building owner has been notified to remove or repair the ACM in accordance with the ACR prior to renovation or demolition activity.

Signature of Licensed Asbestos Investigator:	Date:	Signature of Building Owner:	Date:
Nick Mariconda- AIC18-000005	10/16/2020		

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Web: www.battaenv.com E-mail: battaenv@battaenv.com

EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Batch #: L171820 - 09/28/20 - 5

CERTIFICATE OF SPORE TRAP ANALYSIS

Test Method: Batta SoP EM-1 and ASTM D7391-17

Report Date: 10/7/2020

Sampling Data

Date Sampled: 9/28/2020

BLI Project #: L171820

Sampled By: N Mariconda

Project Name: 995820- Peblano Roof Survey

Date Analyzed: 10/7/2020

Project Location: n/a

Range of Samples, 1060721-1060725

Lab Sample ID	1060721	1060722	1060723	1060724	1060725
Client Sample ID	1	2	3	4	5
Location	Rawhurst AA Room	Classroom	Multi Purpose Room	Outdoor	Blank
Volume (L)	75	75	75	75	0

None Detected/ <Analytical Sensitivity

Spores	Raw Count	Spores / m^3	% of Total	Analytical Sensitivity	Other Spores Detected	Raw Count	Spores / m^3	% of Total	Analytical Sensitivity	Other Spores Detected	Raw Count	Spores / m^3	% of Total	Analytical Sensitivity	Other Spores Detected	Raw Count	Spores / m^3	% of Total	Analytical Sensitivity	Other Spores Detected	Raw Count	Spores / m^3	% of Total	Analytical Sensitivity	Other Spores Detected
Alternaria																12	465	1	39						
Ascospores	4	155	4	39		3	116	18	39		1	39	3	39		83	3220	9	39						
Aspergillus/ Penicillium	21	815	23	39		7	272	41	39		10	388	33	39		42	1630	4	39						
Basidiospores	3	116	3	39		3	116	18	39		4	155	13	39		103	9990	27	97						
Bipolaris/ Drechslera																									
Cercospora																14	543	1	39						
Chaetomium	40	1550	43	39																					
Cladosporium	22	853	24	39		2	78	12	39		15	582	50	39		104	20200	55	194						
Curvularia																									
Epicoccum																									
Fusarium																									
Ganoderma																5	194	1	39						
Helicomyces																									
Nigrospora																1	39	0	39						
Oidium																									
Pithomyces/ Ulocladium																									
Polythrincium																									
Rusts/ Smuts/ Myxomycetes																7	272	1	39						
Spegazzinia																									
Stachybotrys																									
Stemphylium																									
Tetraploa																									
Torula																									
Unidentified	3	116	3	39		2	78	12	39							3	116	0	39						
Total	93	3610	100	N/A	N/A	17	659	100	N/A	N/A	30	1160	100	N/A	N/A	374	36600	100	N/A	N/A	0	N/A	0	N/A	N/A
Other Materials																									
Pollen			pollen/m^3					pollen/m^3					pollen/m^3					pollen/m^3					pollen/m^3		
Hyphal fragments	6	233	hyphae/m^3					hyphae/m^3					hyphae/m^3			1	39	hyphae/m^3					hyphae/m^3		
Insect fragments			insect/m^3					insect/m^3					insect/m^3			1	39	insect/m^3					insect/m^3		
Density Ratings																									
Skin cell fragments (0-5)	1					1					1					0					0				
Debris/ fibers/ background particulate (0-5)	1					1					1					1					0				

Field diameter (mm):	0.33	Trace Length (mm):	14.4

Analyst: **Angela Yohn** Reviewed By:

Batch ID# convention is: BATTA Project Number - Sampling Date - Number of Samples in Batch

ND* = None Detected. Spores/ m^3 reported to 3 significant digits.Total percentage may not equal 100 due to rounding. Entire trace analyzed. Density rankings of 4 may inhibit accurate detection and quantitation. Density ranking of 5 inhibit quantitation entirely; qualitative analysis only performed. ***Other Spores Detected=This column denotes spores detected (D) at lower magnification scan and are excluded from Spore Count data. Samples received in acceptable condition except where noted. Batta Laboratories, LLC is not responsible for sample collection, nor interpretations made by others. Results relate only to the items tested. This report does not constitute endorsement by AIHA LAP, LLC. and/or any other U.S. governmental agencies and may not be certified by all local, state and federal regulatory agencies. Batta thrives on customer feedback to improve the quality of our services. Please e-mail your feedback to feedback@battaenv.com. This report must not be reproduced without the written approval of Batta Laboratories, LLC.

End Of Report

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Email: battaenv@battaenv.com

MOLD CHAIN OF CUSTODY

NVLAP #101032
AIHA LAP, LLC# 100448
NY ELAP#11993
EPA Lab #DE004
MD 2194

BLI Project #: L171820

Customer Billing Information:	Shipping Information	Turnaround Times (check one, refer to notes*)	Method of Payment
Name: BATTA Environmental Associates, Inc.	□ Picked up by BATTA	□ 3 Hours/ Immediate (Note 1)	□Cash Cashier:
Billing Address 1: 6 Garfield Way	X Delivered by customer	□ 6 Hours/ Same Day (Note 2)	□Visa/Mastercard/ Discover
Billing Address 2: Newark DE 19713	□ Shipped by customer	□ 24 Hours (Note 3)	□ Money Order
Tel 1: (302) 737-3376		□ 48 Hours (Note 4)	□ Purchase Order #
Email: Steve.woronicak@battaenv.com		□ 72 Hours (Note 5)	□ Check #
Results To: steve.woronicak@Battaenv.com		☑ 5 Days (Note 6)	□ Other
			□ Unit Price/ Quote
			□ Total Payment
			□ Reference #

***Notes Regarding Turnaround Times**

1 Specific turnaround depends on the test requested. Turnaround not available for all types of analysis. Client must make prior arrangements with lab to guarantee turnaround time. Premium rate will apply.
2 Same Day (by 5 p.m.) offered if samples received by 12 noon. After that time, a 6-hour designation may be offered. A 6-hour/Same day turnaround time may not be available with all analyses.
3 Unless a specific time is requested, results are guaranteed by 5 p.m. on the following business day. The turnaround time of 24 hours may not be available with all analysis.
4 Unless a specific time is requested, results are guaranteed by 5p.m. on the 2nd business day
5 Unless a specific time is requested, results are guaranteed by 5 p.m. on the 3rd business day
6 Unless a specific time is requested, results are guaranteed by 5 p.m. on the 5th business day
Note to Client: Batta Laboratories recommends that blanks be supplied by the client when mandated by published methods

Project Information

Project Name: Pebiano Roof Survey | **Project Location:** | **Project #:** 995820 | **Sampled By:** Nick Mariconda

Sample Information

BL Use Only	Field Sample ID#	Sample Location & Description	Sampling Date/ Time	Sample Volume / Area	Sample Type (X) SWAB	BULK	SPORE TRAP	TAPE	Other	Comments
1060721	01	Rawhurst AA Room	9/28/20	75L			✓			
722	02	Classroom					✓			
723	03	Multi Purpose Room					✓			
724	04	outdoor					✓			
725	05	Blank		0			✓			

Sample Relinquished By: [signature] Date: 9/28/20 Time:

Sample Received By: [signature] Date: 9-30-20 Time: 625

Laboratory Use Only

Logged-in By	Log-in Date	Date:	Field Samples Acceptable: ✓ Yes □ No
OBY	10/1/2020	0700	Condition

City of Philadelphia
Department of
Licenses & Inspections
P.O. Box 53310
Philadelphia, Pa. 19105

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if required by law

BATTA ENVIRONMENTAL
DELAWARE INDUSTRIAL WAY 6 GARFIELD WAY
NEWARK DE 19713

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BATTA ENVIRONMENTAL

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LICENSE CODE	LICENSE NO.	BUSINESS TAX NO.	DOES NOT EXPIRE	PAID THIS AMOUNT	ON DATE
3702	423867	5703079		200.00	09/18/07

LICENSE

AA-V2.0

City of Philadelphia
Department of
Licenses & Inspections
P.O. Box 53310
Philadelphia, Pa. 19105

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NEWARK DE 19713-5817

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LICENSE CODE	LICENSE NO.	BUSINESS TAX NO.	DOES NOT EXPIRE	PAID THIS AMOUNT	ON DATE
3702	95072	6732804		200.00	08/25/96

LICENSE

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101032-0

Batta Laboratories, LLC

Newark, DE

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2020-07-01 through 2021-06-30

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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Delaware Industrial Park
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Newark, DE 19713-5817
Mr. Naresh C. Batta
Phone: 302-737-3376 Fax: 302-737-5764
Email: ncbatta@battaenv.com
http://www.battaenv.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101032-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

May 22, 2020

Naresh C. Batta
Batta Laboratories, LLC
Delaware Industrial Park
6 Garfield Way
Newark, DE 19713-5817

NVLAP Lab Code: 101032-0

Dear Mr. Batta,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until June 30, 2021, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.8. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Hazel Richmond, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-3024.

Sincerely,

Dana S. Leaman, Chief
National Voluntary Laboratory Accreditation Program

June 28, 2019

Laboratory ID: 100448

Robert Shumate
Batta Laboratories, Inc.
Delaware Industrial Park
6 Garfield Way
Newark, DE 19713-3540

Dear Mr. Shumate:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved Batta Laboratories, Inc. as an accredited Industrial Hygiene, Environmental Lead, Environmental Microbiology and Unique Scope laboratory.

Accreditation documentation includes the IHLAP, ELLAP, EMLAP and Unique Scopes accreditation certificate, scope of accreditation document and a copy of the current AIHA-LAP, LLC license agreement (if your completed agreement is not on file at AIHA-LAP, LLC). The accreditation symbol has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the symbol in its advertising the laboratory's accreditation, you must complete and return the AIHA-LAP, LLC license agreement to a Laboratory Accreditation Specialist. Once submitted, an electronic copy of the accreditation symbol will be sent to you.

Laboratory accreditation shall be maintained by continued compliance with IHLAP, ELLAP, EMLAP and Unique Scopes requirements *(see Policy Modules 2B, 2C, 2D, 2E, and 6),* which includes proficient participation in AIHA-LAP, LLC approved proficiency testing, demonstration of competency, or round robin program as indicated on the AIHA-LAP "Approved PT and Round Robin" webpage, its associated Scope/PT table, and as required in Policy Module 6, for all Fields of Testing (FoTs) for which the laboratory is accredited. An accredited laboratory that wishes to expand into a new FoT must submit an updated accreditation application to AIHA-LAP, LLC for review by the AAB.

Any changes in ownership, laboratory location, personnel, FoTs/Methods, or significant procedural changes shall be reported to AIHA-LAP, LLC in writing within twenty (20) business days of the change.

The accreditation certificate is the property of AIHA-LAP, LLC and must be returned to us should your laboratory withdraw or be removed from the IHLAP, ELLAP, EMLAP and Unique Scopes.

Again, congratulations. If you have any questions, please contact Lauren Schnack, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

Cheryl O. Morton

Cheryl O. Morton
Managing Director

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Batta Laboratories, Inc.

Delaware Industrial Park, 6 Garfield Way, Newark, DE 19713-3540

Laboratory ID: 100448

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: June 01, 2021
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: June 01, 2021
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: June 01, 2021
☐	**FOOD**	Accreditation Expires:
✓	**UNIQUE SCOPES**	Accreditation Expires: June 01, 2021

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 17 – 09/11/2018

Date Issued: 06/28/2019

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

Batta Laboratories, Inc.
Delaware Industrial Park, 6 Garfield Way, Newark, DE 19713-3540

Laboratory ID: **100448**
Issue Date: 06/28/2019

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 02/01/1987

IHLAP Scope Category	**Field of Testing (FoT)** (FoTs cover all relevant IH matrices)	**Technology sub-type/ Detector**	**Published Reference Method/Title of In-house Method**	**Method Description or Analyte** *(for internal methods only)*
Spectrometry Core	Atomic Absorption	FAA	NIOSH 7024	
			NIOSH 7048	
			NIOSH 7082	
			NIOSH 7502	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

Batta Laboratories, Inc.
Delaware Industrial Park, 6 Garfield Way, Newark, DE 19713-3540

Laboratory ID: **100448**
Issue Date: 06/28/2019

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The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 02/01/1999

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (*for internal methods only*)
Paint		EPA SW-846 3050B	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 7000B	
Settled Dust by Wipe		NIOSH 7082	
		NIOSH 9100	
Airborne Dust		NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

Batta Laboratories, Inc.
Delaware Industrial Park, 6 Garfield Way, Newark, DE 19713-3540

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Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 09/01/2018

EMLAP Category	Field of Testing (FoT)	Method	Method Description (*for internal methods only*)
Fungal	Air - Direct Examination	EM1	STANDARD OPERATING PROCEDURE EM1- Spore Trap Analysis (Airborne Fungi)
	Bulk - Direct Examination	EM13	STANDARD OPERATING PROCEDURE EM13- Direct Exam Fungal Analysis of Bulk, Swabs and Tape Lifts
	Surface - Direct Examination	EM13	STANDARD OPERATING PROCEDURE EM13- Direct Exam Fungal Analysis of Bulk, Swabs and Tape Lifts

A complete listing of currently accredited Environmental Microbiology laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

Batta Laboratories, Inc.
Delaware Industrial Park, 6 Garfield Way, Newark, DE 19713-3540

Laboratory ID: **100448**
Issue Date: 06/28/2019

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Unique Scopes Laboratory Accreditation Program (Unique Scopes)

Initial Accreditation Date: 02/01/2015

Unique Scope Category	Field of Testing (FoT)	Method	Method Description (*for internal methods only*)
Consumer Product Testing	Lead in Paint and Other Similar Surface Coatings	CPSC-CH-E-1001.08.3	

A complete listing of currently accredited Unique Scope laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

EHS TRAINING INSTITUTE, INC.

A Division of BATTA, Inc.

Certificate of Completion

AHERA Building Inspector

(Refresher)

Awarded To:

Nicholas Mariconda

SS#:XXX-XX-3568

Who has completed this 4-hour course and examination,
EPA Approved under TSCA Title II
AHERA / ASHARA Rule
40 CFR Part 763.

EHS TRAINING INSTITUTE, INC.

A Division of BATTA, Inc.

Delaware Industrial Park • 6 Garfield Way
Newark, DE 19713-5817
(302) 737-3376 • Fax (302) 737-5764

Course Date: **March 5, 2020**
Date of Expiration: **March 5, 2021**
Certification Number : **EHSBIR 200305-00010**

Todd K. Zeisloft, Instructor

Neeraj K. Batta, President

Asbestos Investigator

Certified by AMS

Nicholas Mariconda

Certificate #: AIC18-000005
Issue Date: 03/29/2019
Expiration: 03/31/2020

City of Philadelphia
Dept. of Public Health
Air Management
Services