

COUNTY OF WESTCHESTER
NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING
ADDENDUM NO. 1
CONTRACT NO. 23-519
FOR
**ROOF, HVAC, AND ELECTRICAL UPGRADES
DANIEL P. THOMAS MATERIAL RECOVERY FACILITY
YONKERS, NEW YORK**

The attention of the bidders is directed to the following changes, additions, and/or substitutions affecting the above-referenced contract(s).

A. RE: GENERAL CONTRACT INFORMATION:

Item A: Mandatory Pre-Bid Inspection Attendance Sheet

Attached hereto.

Item B: All requests for information shall be directed in writing to Matt Vitrano - MVitrano@H2M.com, and Olivia Tsonas - OTsonas@H2M.com copy John Coelho – jjcb@westchestercountyny.gov; no later than Tuesday, March 4, 2025 by 12:00PM.

Item C: New York State Department Of Labor Contractor Registry requirement Starting in 2025, there is a new law requiring all contractors and subcontractors submitting bids with Westchester County to register before bidding with the New York State Department of Labor at <https://dol.ny.gov/how-register-contractor-and-subcontractor-registry>. More information about this requirement is available at <https://dol.ny.gov/frequently-asked-questions-nysdol-contractor-registry>.

B. RE: SPECIFICATIONS

Item A: Attachment at the end of the Technical Specifications, Appendix A

ADD: The following attachment at the end of the Technical Specifications:

Pre-Renovation Survey for Asbestos-Containing Materials and Polychlorinated Biphenyls in Caulks and Sealants for The Roof, HVAC and Electrical Upgrade Project at The Daniel P. Thomas Material Recovery Facility

Attached hereto.

Item B: Table of Contents (TOC- Technical Specifications)

1. **Delete:** Table of Contents in Project Manual and Specifications
2. **Insert:** Revised Table of Contents

Attached hereto.

ALL PROVISIONS OF THE CONTRACT NOT AFFECTED BY THE FOREGOING SHALL REMAIN IN FULL FORCE AND EFFECT.

COUNTY OF WESTCHESTER
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION

By: Hugh J. Greechan, Jr., P.E.
Commissioner

Dated: February 24, 2025
White Plains, New York

Mandatory Pre-Bid Inspection Attendance Sheet

Monday, February 24, 2025

MANDATORY PRE-BID INSPECTION
ATTENDANCE SHEET

CONTRACT NO.: 23-519

DATE: Monday, February 24, 2025

CONTRACT: ROOF, HVAC, AND ELECTRICAL UPGRADES - DANIEL P. THOMAS MATERIAL RECOVERY FACILITY

LOCATION: 1100 Ridge Hill Boulevard, Yonkers, New York,

BIDS FROM CONTRACTORS NOT IN ATTENDANCE AT THIS MEETING OR THOSE WHO FAIL TO SIGN IN ATTENDANCE AT THE MEETING WILL BE REJECTED.

REPRESENTATIVE (Please Print)	COMPANY (Please Print)	Phone Number	Email
JOHN COELHO	WCDPW & T	914995-5444	jco@westchestercounty.ny.gov
Joe Brown	" "	914-985-2650	jwb1@ " " "
Kyle Piloco	" "	914 995-7777	kyl@ " " "
MARIE PARISE	WODEF	813-5413	mp@ " " "
Cecile Lemieux	WODEF	714-4126-1341	cl@ " " "
Vincent Nicolosi	WODEF	914-813-5427	VANM
Bedri Korkut	Zaman Construction	646-388-8992	info@zamanconstruction.com
Picheit Bruce	J.P. Patti Tech America	425-320-7875	bruce@tectametrica.com
BOBISLAW KLWIOR	Pilecon Construction Oy	631-756-9520	blw@pileconconstruction.com
Peter Fikis	Page Contracting Corp	718-873-6659	pagecontractingcorp@gmail.com

Igor Bereznik

ACS System

PAGE 1

-4

(347) 468-0496

estimating@acssystem.com

MANDATORY PRE-BID INSPECTION
ATTENDANCE SHEET

CONTRACT NO.: 23-519

DATE: Monday, February 24, 2025

CONTRACT: ROOF, HVAC, AND ELECTRICAL UPGRADES - DANIEL P. THOMAS MATERIAL RECOVERY FACILITY

LOCATION: 1100 Ridge Hill Boulevard, Yonkers, New York,

BIDS FROM CONTRACTORS NOT IN ATTENDANCE AT THIS MEETING OR THOSE WHO FAIL TO SIGN IN ATTENDANCE AT THE MEETING WILL BE REJECTED.

REPRESENTATIVE (Please Print)	COMPANY (Please Print)	Phone Number	Email
Shahid Ali	Iron Contracting Group	917-517-1515	Shahid4697@yahoo.com
Zachary Preppers	MACE Contracting Corp	914 576-0606	Vladimir@macecontracting.com
Malvin Ndoci	Anjoc Enterprises	914-309-1153	anjoc@aol.com
Hasik Lim	LHS International	631-786-2074	H LIM@LHSHVAC.COM
Joe Spadaro	Pierotti Corp	914 557 2189	Joey5@PierottiCorp.com
Zack Mulhern	MENGIER	845 279 7029	MREUTHER@MENGIERMECH.COM
Joe Donnelly	E-J Electric	203 671 6031	JDdonnelly@ej1899.com
Tom Gorman	Richmar Controls	914 776 6060	tommygorman@richmarcontrols.com
Joe Neubauer	H2M	631 756 8000	JNeubauer@H2M.com
Olivia Tsoras	H2M		otsoras@h2m.com

MANDATORY PRE-BID INSPECTION
ATTENDANCE SHEET

CONTRACT NO.: 23-519

DATE: Monday, February 24, 2025

CONTRACT: ROOF, HVAC, AND ELECTRICAL UPGRADES - DANIEL P. THOMAS MATERIAL RECOVERY FACILITY

LOCATION: 1100 Ridge Hill Boulevard, Yonkers, New York,

BIDS FROM CONTRACTORS NOT IN ATTENDANCE AT THIS MEETING OR THOSE WHO FAIL TO SIGN IN ATTENDANCE AT THE MEETING WILL BE REJECTED.

REPRESENTATIVE (Please Print)	COMPANY (Please Print)	Phone Number	Email
Ralph Mordkhai	H2M	845 936-6710	rmordkhai@h2m.com
Bosthan Uddin	Zaman Construction	347-5876919	info@zamanconstruction.com
Storosa Spivacki	GL GROUP INC	201 421 8675	PM1@GLGROUPINC.COM PM4@GLGROUPINC.COM
ARSLAN KUAN	BN RESTORATION INC	347-67-9692	ARSLAN@BNRESTORATION.COM
Abdi Hashim	See Breeze General Const.	347 893-2692	estimating@seebreezeplc.com
Jehan Angarika	Simple Air HVAC	917 595 9707	projects@simpleairhvac.com
Mata M. G. G. G.	RCE		
Louis Vetrona	WCDEF	914-447-4032	LJV3a
JOSEPH FURTADO	JOE LOMBARDO P&H	845-494-0009	joe@josephlombarado.com
PAUL FOLTA	MAK GROUP LLC	973-471-2576	OFFICE@MAKGROUPLLC.VS

MANDATORY PRE-BID INSPECTION
ATTENDANCE SHEET

CONTRACT NO.: 23-519

DATE: Monday, February 24, 2025

CONTRACT: ROOF, HVAC, AND ELECTRICAL UPGRADES - DANIEL P. THOMAS MATERIAL RECOVERY FACILITY

LOCATION: 1100 Ridge Hill Boulevard, Yonkers, New York,

BIDS FROM CONTRACTORS NOT IN ATTENDANCE AT THIS MEETING OR THOSE WHO FAIL TO SIGN IN ATTENDANCE AT THE MEETING WILL BE REJECTED.

REPRESENTATIVE (Please Print)	COMPANY (Please Print)	Phone Number	Email
Robert Hales	Lithouse Builders	347-485-1688	Robert@lithousebuildinginc.com

APPENDIX A

ADDENDUM NO. 1

PRE-RENOVATION SURVEY
FOR
ASBESTOS-CONTAINING MATERIALS AND
POLYCHLORINATED BIPHENYLS IN CAULKS AND SEALANTS
FOR THE
ROOF, HVAC AND ELECTRICAL UPGRADE PROJECT
AT THE
DANIEL P. THOMAS MATERIAL RECOVERY FACILITY
1A STEW LEONARD DRIVE
YONKERS, NEW YORK



MARCH 2023

PREPARED FOR:

H2M Architects + Engineers
538 Broad Hollow Road, 4th Floor East
Melville, New York

PREPARED BY:

Watts
Architects
&Engineers

95 Perry Street
Suite 300
Buffalo, NY 14203



TABLE OF CONTENTS

1.0 – EXECUTIVE SUMMARY

2.0 – ASBESTOS-CONTAINING MATERIALS

2.1 – SAMPLE LOCATION DRAWINGS

2.2 – LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

3.0 – POLYCHLORINATED BIPHENYLS

3.1 – SAMPLE LOCATION DRAWING

3.2 – LABORATORY REPORTS AND CHAIN-OF-CUSTODY FORMS

4.0 – SITE PHOTOGRAPHS

5.0 – LABORATORY ACCREDITATIONS

6.0 – CONSULTANT'S LICENSES AND CERTIFICATIONS

1.0 – EXECUTIVE SUMMARY

1.0 EXECUTIVE SUMMARY

Watts Architects & Engineers (Watts) was retained by H2M architects + engineers to perform a pre-renovation survey for asbestos-containing materials (ACM) and polychlorinated biphenyls (PCBs) in sealants for the Roof, HVAC and Electrical Upgrade project at the Daniel P. Thomas Material Recovery Facility located at 1A Stew Leonard Drive, Yonkers, New York.

The field work was conducted on February 8, 2023 and included the following:

- A visual site inspection of the roofs to identify suspect ACM and PCBs.
- Collection and laboratory analysis of samples from each identified suspect material that had not been previously tested.
- Documentation of bulk sample locations on floor-plan drawings and chain-of-custody forms.

ASBESTOS-CONTAINING MATERIALS

The inspection included the collection of fifty-two (52) bulk samples to represent identified suspect materials that may be disturbed within the proposed project limits. ACM is defined as any material containing more than one percent of asbestos. Based on the laboratory analysis and visual observations, the following ACM were identified within the project limits.

Transfer Station (Roof A)

- **Black roof flashing** on the skylights. There were 5 skylights observed. Each skylight has 225 square feet of ACM roof flashing, in total there is 1,125 square feet. The flashing is non-friable and was observed to be in good condition.
- **Black roofing** under the metal roof cap at the perimeter of the roof. The roofing is non-friable and were observed to be in good condition. Approximately 630 square feet.

NON-ASBESTOS-CONTAINING MATERIALS

The following materials have been tested by Watts as part of this investigation and determined to be non-ACM:

Transfer Station (Roof A)

- Tan flashing mastic;
- Black tar at termination bar; and
- Black tar at A/C unit.

MRF Building (Roof B)

- Tan flashing mastic;
- Grey gypsum board;
- Black roof paver;
- Black roof seam caulk;
- Black tar on sides of skylights;
- Black tar at skylight termination bars; and
- Grey fire stop at penetration.

Shipping House (Roof C)

- Tan flashing mastic;
- Grey gypsum board;
- Black vapor barrier;
- Grey/white roof seam caulk;
- Black tar at skylight flashing;
- Silver caulk on supply unit 6;
- Grey fire stop at supply unit 6; and
- Grey flashing caulk.

Paper House (Roof D)

- Tan flashing mastic;
- Grey gypsum board;
- Black roof seam caulk;
- Gray metal flashing caulk;
- Black tar on sides of skylights; and
- Black roof paver.

POLYCHLORINATED BIPHENYLS

Watts investigated caulks and/or sealants identified in the project limits with regards to PCBs that could be present in such materials.

The Environmental Protection Agency (EPA) regulates PCBs and considers any debris generated from construction materials manufactured with PCBs derived from building renovation projects with a concentration of greater than or equal to 50 parts per million (ppm) “PCB bulk product waste”. The Toxic Substances Control Act (TSCA) regulations (40 CFR Part 761) prescribes requirements for the proper management of PCB materials, including their handling and disposal. PCB bulk product waste at concentrations ≥ 50 ppm must follow specific storage, transport and disposal requirements.

The following caulks/sealants were sampled for PCB content:

MRF Building (Roof B)

- Black roof seam caulk.

Shipping House (Roof C)

- Grey/white roof seam caulk;
- Silver caulk on supply unit 6; and
- Grey metal flashing caulk.

Paper House (Roof D)

- Grey metal flashing caulk; and
- Black roof seam caulk.

None of the sampled caulks/sealants were determined to have a concentration of PCBs greater than 50 parts per million. Therefore, no special handling or disposal is required.

OBSERVATIONS/RECOMMENDATIONS

Transfer Station (Roof A) consists of rubber, polyisocyanurate foam insulation board and a metal roof deck. MRF Building (Roof B), Shipping House (Roof C) and Paper House (Roof D) consist of rubber, polyisocyanurate foam insulation board and a gypsum roof deck.

Included in this report are: drawings indicating approximate bulk sample locations, chain-of-custody forms, laboratory results, laboratory accreditations, and consultant's license and certification.

It is the belief of Watts that this investigation has identified all suspect asbestos-containing materials and PCBs that could be disturbed by the proposed renovation project. However, if additional suspect materials are identified during the construction period that have not been previously sampled or sampled as part of this assessment, samples of each material should be collected and analyzed for asbestos, and/or PCB content as appropriate.

2.0 – ASBESTOS-CONTAINING MATERIALS

2.0 ASBESTOS-CONTAINING MATERIALS

This section includes information on all suspect ACM sampled. This section contains the following: Homogeneous Materials List containing the homogeneous materials identified their corresponding sample numbers and whether or not they are ACM, as well as drawings identifying the approximate locations of asbestos bulk samples.

SAMPLING AND LABORATORY METHODOLOGY

A NYSDOL-certified asbestos inspector from Watts collected bulk samples of all suspect ACM that was identified that may be disturbed by the replacement of the roof .

Samples were delivered with the proper chain-of-custody forms to Amerisci Richmond located in Midlothian, Virginia. Amerisci is a New York State accredited laboratory that is a participant in the Environmental Laboratory Approval Program (ELAP) and National Voluntary Laboratory Approval Program (NVLAP). All materials, except ceiling tile and non-friable organically bound (NOB) materials, were analyzed using Polarized Light Microscopy (PLM) using Method 198.1. Ceiling tile and NOBs, which include but are not limited to, flooring materials, roofing materials, mastics, and caulks underwent gravimetric reduction and were analyzed by Polarized Light Microscopy (PLM) Method 198.6. Any ceiling tile or NOB materials that were found to be negative under PLM were then analyzed by Transmission Electron Microscopy (TEM) Method 198.4. The New York State Department of Health (NYSDOH) protocol requires analysis by TEM for these materials if the PLM analysis does not confirm the presence of asbestos.

Abbreviations:

NA - Not analyzed.

NA/PS – Not analyzed/positive stop.

NAD – No Asbestos detected.

NON-ACM - Final Residue <1% of original subsample.

Type

T = Thermal System Insulation

S = Surfacing

M = Miscellaneous

ACM

Y = Yes

N = No

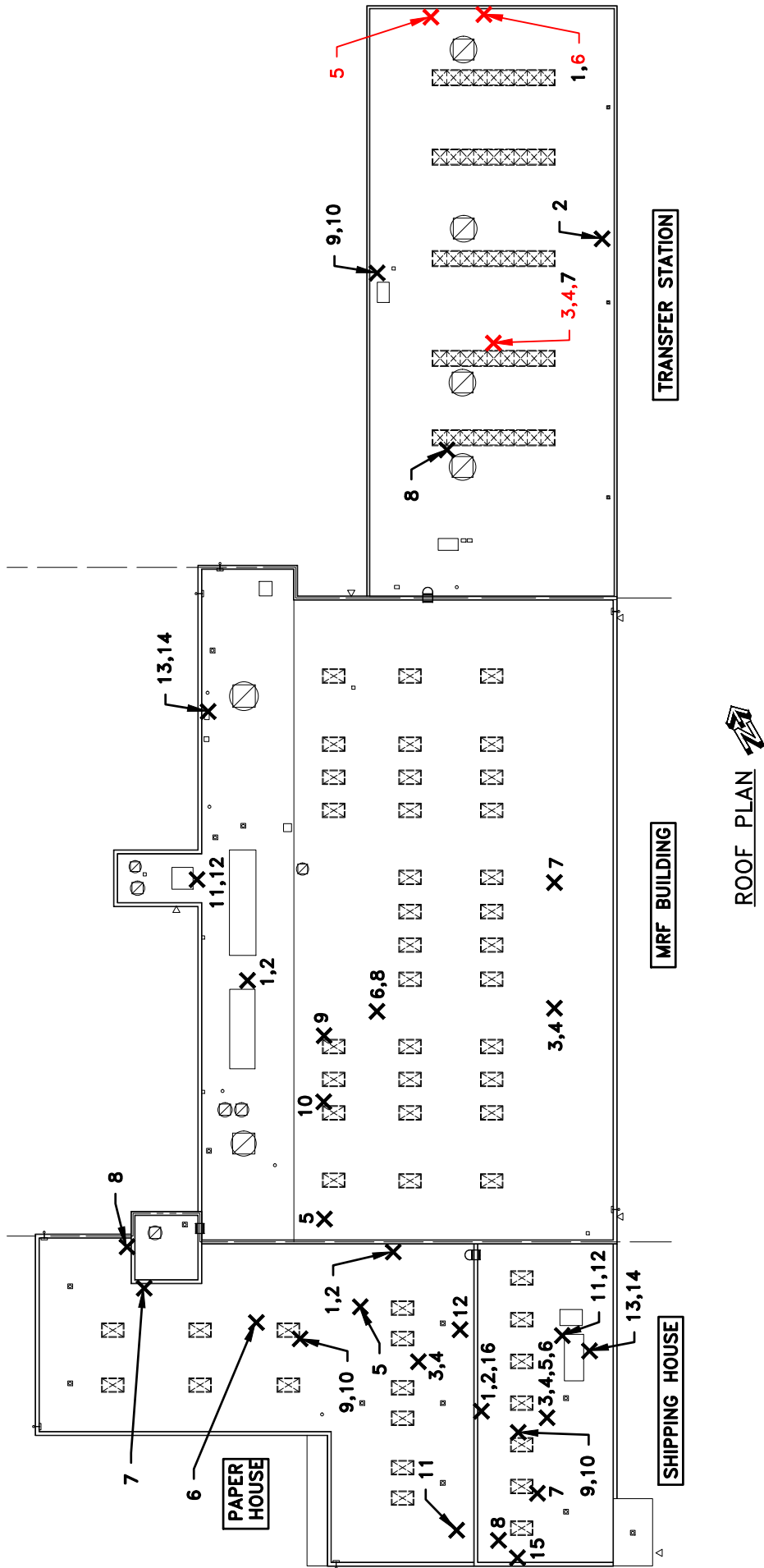
HOMOGENEOUS MATERIALS LIST
ROOF, HVAC AND ELECTRICAL UPGRADE PROJECT
DANIEL P. THOMAS MATERIAL RECOVERY FACILITY
1A STEW LEONARD DRIVE
YONKERS, NEW YORK

Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM
				PLM	TEM	Y/N
TRANSFER STATION (ROOF A)						
Tan Roof Flashing Mastic	North end of roof Eastside roof	M	20220388-01 20220388-02	NAD NAD	NAD NAD	N
Black Roof Flashing	At skylights	M	20220388-03 20220388-04	22% Chrysotile NA/PS	NA NA	Y
Black Roofing	West end under metal roof cap Northside under metal roof cap	M	20220388-05 20220388-06	8.6% Chrysotile NA/PS	NA NA	Y
Black Tar	At termination bar At skylight termination bar	M	20220388-07 20220388-08	NAD NAD	NAD NAD	N
Black Tar	A/C unit at penetration	M	20220388-09 20220388-10	NAD NAD	Trace Chrysotile Trace Chrysotile	N
MRF BUILDING (ROOF B)						
Tan Flashing Mastic	Westside of roof At rooftop vent	M	20220388-01 20220388-02	NAD NAD	NAD NAD	N
Grey Gypsum Board	Eastside of roof at deck Westside of roof at deck	M	20220388-03 20220388-04	NAD NAD	NA NA	N
Black Roof Paver	Northside of roof Southside of roof	M	20220388-05 20220388-06	NAD NAD	NAD NAD	N
Black Roof Seam Caulk	Middle of roof Northside of roof	M	20220388-07 20220388-08	NAD NAD	NAD NAD	N
Black Tar	Side of skylights	M	20220388-09 20220388-10	NAD NAD	NAD NAD	N
Black Tar	At skylight termination bar	M	20220388-11 20220388-12	NAD NAD	NAD NAD	N
Grey Firestop	Westside at roof penetration	M	20220388-13 20220388-14	NAD NAD	NAD NAD	N
SHIPPING HOUSE (ROOF C)						
Tan Flashing Mastic	Westside of roof	M	20220388-01 20220388-02	NAD NAD	NAD NAD	N

HOMOGENEOUS MATERIALS LIST
ROOF, HVAC AND ELECTRICAL UPGRADE PROJECT
DANIEL P. THOMAS MATERIAL RECOVERY FACILITY
1A STEW LEONARD DRIVE
YONKERS, NEW YORK

Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM
				PLM	TEM	Y/N
Black Vapor Barrier	Middle of roof	M	20220388-03 20220388-04	NAD NAD	NAD NAD	N
Grey Gypsum Board	Middle of roof at deck	M	20220388-05 20220388-06	NAD NAD	NA NA	N
Grey/White Roof Seam Caulk	Southside of roof Middle of roof	M	20220388-07 20220388-08	NAD NAD	NAD NAD	N
Black Tar	Skylight flashing	M	20220388-09 20220388-10	NAD NAD	NAD NAD	N
Silver Caulk	On supply unit 6	M	20220388-11 20220388-12	NAD NAD	NAD NAD	N
Grey Firestop	At penetration by supply unit 6	M	20220388-13 20220388-14	NAD NAD	NAD NAD	N
Grey Flashing Caulk	At seams on metal flashing	M	20220388-15 20220388-16	NAD NAD	NAD NAD	N
PAPER HOUSE (ROOF D)						
Tan Flashing Mastic	Northside of roof	M	20220388-01 20220388-02	NAD NAD	NAD NAD	N
Grey Gypsum Board	Eastside of roof at deck	M	20220388-03 20220388-04	NAD NAD	NA NA	N
Black Roof Seam Caulk	Eastside of roof Westside of roof	M	20220388-05 20220388-06	NAD NAD	NAD NAD	N
Grey Flashing Caulk	On metal flashing, northwest corner stairwell	M	20220388-07 20220388-08	NAD NAD	NAD NAD	N
Black Tar	On side of skylights	M	20220388-09 20220388-10	NAD NAD	NAD NAD	N
Black Roof Paver	Eastside of roof Southside of roof	M	20220388-11 20220388-12	NAD NAD	NAD NAD	N

2.1 – SAMPLE LOCATION DRAWINGS



ALL SAMPLES ARE PREFIXED BY 20220388--

SAMPLES WERE COLLECTED ON FEBRUARY 8, 2023.

X INDICATES APPROXIMATE SAMPLE LOCATION

X SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE ACM.



ASBESTOS BULK SAMPLE LOCATIONS	ROOF PLAN
DANIEL P. THOMAS MATERIAL RECOVERY FACILITY 1A STEW LEONARD DRIVE YONKERS, NEW YORK	NOT TO SCALE
	MARCH 2023

2.2 – LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Watts Architecture & Engineers
Attn: Ted Knapp
95 Perry Street
Suite 300
Buffalo, NY 14203

Date Received 02/13/23 **AmeriSci Job #** 123021517
Date Examined 02/16/23 **P.O. #**
ELAP # 10984 **Page** 1 of 3
RE: 20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-01 1 Location: Tan Roof Flashing Mastic; Transfer Station Roof A Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.5%	123021517-01	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-02 1 Location: Tan Roof Flashing Mastic; Transfer Station Roof A Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.8%	123021517-02	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-03 2 Location: Black Roof Flashing; Transfer Station Roof A, At Skylights Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 22% Other Material: Non-fibrous 16%	123021517-03	Yes	22% (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-04 2 Location: Black Roof Flashing; Transfer Station Roof A, At Skylights Analyst Description: Bulk Material Asbestos Types: Other Material:	123021517-04		NA/PS
20220388-05 3 Location: Black Roofing; Transfer Station Roof A, Westside Under Metal Cap Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 8.6% Other Material: Non-fibrous 38%	123021517-05	Yes	8.6% (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-06 3	123021517-06 Location: Black Roofing; Transfer Station Roof A, Northside Under Metal Cap		NA/PS
Analyst Description: Bulk Material Asbestos Types: Other Material:			
20220388-07 4	123021517-07 Location: Black Tar; Transfer Station Roof A, At Termination Bar	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 30%			
20220388-08 4	123021517-08 Location: Black Tar; Transfer Station Roof A, Skylight Termination Bar	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 7.9%			
20220388-09 5	123021517-09 Location: Black Tar; Transfer Station Roof A, At A/C Unit	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 11%			
20220388-10 5	123021517-10 Location: Black Tar; Transfer Station Roof A, At A/C Unit	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 11%			

Client Name: Watts Architecture & Engineers

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Reporting Notes:

Analyzed by: William M. Dunstan
Date: 2/16/2023



Reviewed by: Beverly A. Schrage



*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #233533, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

20220388; Daniel P Thomas Material Recovery Facility Roof Project; 1 Stew Leonard Drive, Yonkers NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	20220388-01	1	0.052	90.6	6.0	3.5	NAD	NAD
Location:	Tan Roof Flashing Mastic; Transfer Station Roof A							
02	20220388-02	1	0.076	92.5	5.7	1.8	NAD	NAD
Location:	Tan Roof Flashing Mastic; Transfer Station Roof A							
03	20220388-03	2	0.302	57.1	4.3	16.5	Chrysotile 22	NA
Location:	Black Roof Flashing; Transfer Station Roof A, At Skylights							
04	20220388-04	2	0.322	85.9	1.1	13.0	NA/PS	NA
Location:	Black Roof Flashing; Transfer Station Roof A, At Skylights							
05	20220388-05	3	0.525	46.7	6.2	38.5	Chrysotile 8.6	NA
Location:	Black Roofing; Transfer Station Roof A, Westside Under Metal Cap							
06	20220388-06	3	0.586	59.3	4.9	35.8	NA/PS	NA
Location:	Black Roofing; Transfer Station Roof A, Northside Under Metal Cap							
07	20220388-07	4	0.186	66.0	3.8	30.2	NAD	NAD
Location:	Black Tar; Transfer Station Roof A, At Termination Bar							
08	20220388-08	4	0.379	30.7	61.4	7.9	NAD	NAD
Location:	Black Tar; Transfer Station Roof A, Skylight Termination Bar							
09	20220388-09	5	0.256	79.4	9.5	11.1	NAD	Chrysotile Trace
Location:	Black Tar; Transfer Station Roof A, At A/C Unit							
10	20220388-10	5	0.159	79.7	9.1	11.2	NAD	Chrysotile Trace
Location:	Black Tar; Transfer Station Roof A, At A/C Unit							

Analyzed by: Beverly A. Schrage

Date: 2/18/2023



Reviewed by: Beverly A. Schrage



Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

**WATTS ARCHITECTURE & ENGINEERING
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY**

Client: H2M architects + engineers

Project: Daniel P. Thomas Material Recovery Facility Roof Project

Building / Location: 1 Stew Leonard Drive, Yonkers, NY

Contact: Ted Knapp
at (716) 206-5100

Preliminary Results to: tknapp@watts-ae.com

Mail Report & Invoice to: Watts Architecture & Engineering

95 Perry Street, Buffalo, NY 14203

Date: 2/10/2023

Watts Project No.: 20220388

Turnaround Requested:

3 Hr. 48 Hr.

6 Hr. — 72 Hr.

12 Hr _____ y 5 Day _____

12 III. — 6 May
24 II. — 6 10 Dec.

24 Hr. _____ 9-10 Day _____

[illegible]

RECEIVED

Sampled By: Ted Knann
Date: 2/9/23
Received By:

Date: _____

Relinquished By: Ted Knapp

Date: _____

Comments: IFPI MNOB is negative. analyze by TEM. Stop at first positive for each homogeneous material description group.

COMMENTS: _____

If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Watts Architecture & Engineers
Attn: Ted Knapp
95 Perry Street
Suite 300
Buffalo, NY 14203

Date Received 02/13/23 **AmeriSci Job #** 123021518
Date Examined 02/16/23 **P.O. #**
ELAP # 10984 **Page** 1 of 4
RE: 20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-01 1 Location: Tan Flashing Mastic; Shipping House Roof C Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.0%	123021518-01	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-02 1 Location: Tan Flashing Mastic; Shipping House Roof C Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 11%	123021518-02	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-03 2 Location: Black Vapor Barrier; Shipping House Roof C Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 8.5%	123021518-03	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-04 2 Location: Black Vapor Barrier; Shipping House Roof C Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 6.3%	123021518-04	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-05 3 Location: Gray Gypsum Board; Shipping House Roof C, Roof Deck Analyst Description: Gray/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 2.0%, Fibrous glass 2.0%, Non-fibrous 96%	123021518-05	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 02/16/23

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-06 3	123021518-06	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 02/16/23
Analyst Description: Gray/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 2.0%, Fibrous glass 2.0%, Non-fibrous 96%			
20220388-07 4	123021518-07	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 9.2%			
20220388-08 4	123021518-08	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 9.5%			
20220388-09 5	123021518-09	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 13%			
20220388-10 5	123021518-10	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 12%			
20220388-11 6	123021518-11	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Silver, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 35%			

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-12 6	123021518-12 Location: Silver Caulk; Shipping House Roof C, Supply Unit 6	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Silver, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 20%			
20220388-13 7	123021518-13 Location: Gray Fire Stop; Shipping House Roof C, Supply Unit 6	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 53%			
20220388-14 7	123021518-14 Location: Gray Fire Stop; Shipping House Roof C, Supply Unit 6	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 37%			
20220388-15 8	123021518-15 Location: Gray Flashing Caulk; Shipping House Roof C, On Metal Flashing	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 77%			
20220388-16 8	123021518-16 Location: Gray Flashing Caulk; Shipping House Roof C, On Metal Flashing	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 45%			

Client Name: Watts Architecture & Engineers

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Reporting Notes:

Analyzed by: William M. Dunstan
Date: 2/16/2023



Reviewed by: Beverly A. Schrage



*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #233533, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4
20220388; Daniel P Thomas Material Recovery Facility Roof Project; 1 Stew Leonard Drive, Yonkers NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	20220388-01	1	0.174	91.8	5.2	3.0	NAD	NAD
Location: Tan Flashing Mastic; Shipping House Roof C								
02	20220388-02	1	0.046	81.7	6.8	11.6	NAD	NAD
Location: Tan Flashing Mastic; Shipping House Roof C								
03	20220388-03	2	0.288	73.4	18.1	8.5	NAD	NAD
Location: Black Vapor Barrier; Shipping House Roof C								
04	20220388-04	2	0.307	74.3	19.3	6.3	NAD	NAD
Location: Black Vapor Barrier; Shipping House Roof C								
05	20220388-05	3	----	----	----	----	NAD	NA
Location: Gray Gypsum Board; Shipping House Roof C, Roof Deck								
06	20220388-06	3	----	----	----	----	NAD	NA
Location: Gray Gypsum Board; Shipping House Roof C, Roof Deck								
07	20220388-07	4	0.230	50.3	40.4	9.2	NAD	NAD
Location: Gray / White Roof Seam Caulk; Shipping House Roof C								
08	20220388-08	4	0.391	50.6	39.9	9.5	NAD	NAD
Location: Gray / White Roof Seam Caulk; Shipping House Roof C								
09	20220388-09	5	0.314	85.7	1.2	13.1	NAD	NAD
Location: Black Tar; Shipping House Roof C, Skylight Flashing								
10	20220388-10	5	0.265	85.9	1.3	12.8	NAD	NAD
Location: Black Tar; Shipping House Roof C, Skylight Flashing								
11	20220388-11	6	0.209	55.8	8.8	35.4	NAD	NAD
Location: Silver Caulk; Shipping House Roof C, Supply Unit 6								
12	20220388-12	6	0.227	55.4	23.7	20.9	NAD	NAD
Location: Silver Caulk; Shipping House Roof C, Supply Unit 6								
13	20220388-13	7	0.741	25.3	21.1	53.5	NAD	NAD
Location: Gray Fire Stop; Shipping House Roof C, Supply Unit 6								
14	20220388-14	7	0.338	32.5	29.9	37.6	NAD	NAD
Location: Gray Fire Stop; Shipping House Roof C, Supply Unit 6								
15	20220388-15	8	0.715	21.8	1.1	77.1	NAD	NAD
Location: Gray Flashing Caulk; Shipping House Roof C, On Metal Flashing								
16	20220388-16	8	0.426	20.7	33.5	45.8	NAD	NAD
Location: Gray Flashing Caulk; Shipping House Roof C, On Metal Flashing								

Table I

Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

20220388; Daniel P Thomas Material Recovery Facility Roof Project; 1 Stew Leonard Drive, Yonkers NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	--------------------------	------------------------------	------------------------------	--	-------------------------	----------------------

Analyzed by: Beverly A. Schrage

Date: 2/18/2023



Reviewed by: Beverly A. Schrage



Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

123021518

WATTS ARCHITECTURE & ENGINEERING
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: 1 of 1

Client: H2M architects + engineers

Project: Daniel P. Thomas Material Recovery Facility Roof Project

Building / Location: 1 Stew Leonard Drive, Yonkers, NY

Contact: Ted Knapp at (716) 206-5100

Preliminary Results to: tknapp@watts-ae.com

Mail Report & Invoice to: Watts Architecture & Engineering
95 Perry Street, Buffalo, NY 14203

Date: 2/10/2023

Watts Project No.: 20220388

Turnaround Requested:

Analysis Requested:
198.1 x 198.6 x 198.4 x
3 Hr. 6 Hr. 12 Hr. 24 Hr.
48 Hr. 72 Hr. x 5 Day 6-10 Day

Sample Number	Material Description	HA	Sample Location	Laboratory Results	
				PLM	TEM
20220388-01	Tan Flashing Mastic	1	Shipping House Roof C		
20220388-02	Tan Flashing Mastic	1	Shipping House Roof C		
20220388-03	Black Vapor Barrier	2	Shipping House Roof C		
20220388-04	Black Vapor Barrier	2	Shipping House Roof C		
20220388-05	Gray Gypsum Board	3	Shipping House Roof C, roof deck		
20220388-06	Gray Gypsum Board	3	Shipping House Roof C, roof deck		
20220388-07	Gray/White Roof Seam Caulk	4	Shipping House Roof C		
20220388-08	Gray/White Roof Seam Caulk	4	Shipping House Roof C		
20220388-09	Black Tar	5	Shipping House Roof C, skylight flashing		
20220388-10	Black Tar	5	Shipping House Roof C, skylight flashing		
20220388-11	Silver Caulk	6	Shipping House Roof C, supply unit 6		
20220388-12	Silver Caulk	6	Shipping House Roof C, supply unit 6		
20220388-13	Gray Fire Stop	7	Shipping House Roof C, supply unit 6		
20220388-14	Gray Fire Stop	7	Shipping House Roof C, supply unit 6		
20220388-15	Gray Flashing Caulk	8	Shipping House Roof C, on metal flashing		
20220388-16	Gray Flashing Caulk	8	Shipping House Roof C, on metal flashing		

Sampled By: Ted Knapp

Date: 2/9/23

Received By:

Date:

Relinquished By: Ted Knapp

Date: 2/10/2023

Received By:

Date:

Comments: IF PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.

If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

Date:

Date:

FEB 13 2023

BY: TWA

RECEIVED

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Watts Architecture & Engineers
Attn: Ted Knapp
95 Perry Street
Suite 300
Buffalo, NY 14203

Date Received 02/13/23 **AmeriSci Job #** 123021519
Date Examined 02/16/23 **P.O. #**
ELAP # 10984 **Page** 1 of 3
RE: 20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-01 1 Location: Tan Flashing Mastic; MRF Building Roof B Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 2.1%	123021519-01	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-02 1 Location: Tan Flashing Mastic; MRF Building Roof B Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 3.7%	123021519-02	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-03 2 Location: Gray Gypsum Board; MRF Building Roof B, Roof Deck Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3.0%, Non-fibrous 97%	123021519-03	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 02/16/23
20220388-04 2 Location: Gray Gypsum Board; MRF Building Roof B, Roof Deck Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 3.0%, Non-fibrous 97%	123021519-04	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 02/16/23
20220388-05 3 Location: Black Roof Paver; MRF Building Roof B Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 12%	123021519-05	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-06 3	123021519-06 Location: Black Roof Paver; MRF Building Roof B	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 22%			
20220388-07 4	123021519-07 Location: Black Roof Seam Caulk; MRF Building Roof B	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 22%			
20220388-08 4	123021519-08 Location: Black Roof Seam Caulk; MRF Building Roof B	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 21%			
20220388-09 5	123021519-09 Location: Black Tar; MRF Building Roof B, Side Of Skylight	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16%			
20220388-10 5	123021519-10 Location: Black Tar; MRF Building Roof B, Side Of Skylight	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 16%			
20220388-11 6	123021519-11 Location: Black Tar; MRF Building Roof B, At Skylight Termination Bar	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 30%			

Client Name: Watts Architecture & Engineers

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-12 6	123021519-12	No	NAD
Location: Black Tar; MRF Building Roof B, At Skylight Termination Bar			(NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 15%			
20220388-13 7	123021519-13	No	NAD
Location: Gray Fire Stop; MRF Building Roof B At Penetration			(NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.7%			
20220388-14 7	123021519-14	No	NAD
Location: Gray Fire Stop; MRF Building Roof B At Penetration			(NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.8%			

Reporting Notes:

Analyzed by: William M. Dunstan
Date: 2/16/2023



Reviewed by: Beverly A. Schrage



*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #233533, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4
20220388; Daniel P Thomas Material Recovery Facility Roof Project; 1 Stew Leonard Drive, Yonkers NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	20220388-01	1	0.115	91.8	6.2	2.1	NAD	NAD
Location: Tan Flashing Mastic; MRF Building Roof B								
02	20220388-02	1	0.100	90.4	5.9	3.7	NAD	NAD
Location: Tan Flashing Mastic; MRF Building Roof B								
03	20220388-03	2	----	----	----	----	NAD	NA
Location: Gray Gypsum Board; MRF Building Roof B, Roof Deck								
04	20220388-04	2	----	----	----	----	NAD	NA
Location: Gray Gypsum Board; MRF Building Roof B, Roof Deck								
05	20220388-05	3	0.389	84.2	3.0	12.9	NAD	NAD
Location: Black Roof Paver; MRF Building Roof B								
06	20220388-06	3	0.621	74.9	2.5	22.6	NAD	NAD
Location: Black Roof Paver; MRF Building Roof B								
07	20220388-07	4	0.172	46.0	31.5	22.5	NAD	NAD
Location: Black Roof Seam Caulk; MRF Building Roof B								
08	20220388-08	4	0.168	46.2	32.0	21.8	NAD	NAD
Location: Black Roof Seam Caulk; MRF Building Roof B								
09	20220388-09	5	0.406	52.4	31.1	16.5	NAD	NAD
Location: Black Tar; MRF Building Roof B, Side Of Skylight								
10	20220388-10	5	0.270	51.0	32.4	16.5	NAD	NAD
Location: Black Tar; MRF Building Roof B, Side Of Skylight								
11	20220388-11	6	0.536	31.3	37.8	30.9	NAD	NAD
Location: Black Tar; MRF Building Roof B, At Skylight Termination Bar								
12	20220388-12	6	0.512	31.7	52.6	15.7	NAD	NAD
Location: Black Tar; MRF Building Roof B, At Skylight Termination Bar								
13	20220388-13	7	0.475	63.3	34.0	2.7	NAD	NAD
Location: Gray Fire Stop; MRF Building Roof B At Penetration								
14	20220388-14	7	0.585	63.2	34.0	2.8	NAD	NAD
Location: Gray Fire Stop; MRF Building Roof B At Penetration								

Table I

Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

20220388; Daniel P Thomas Material Recovery Facility Roof Project; 1 Stew Leonard Drive, Yonkers NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	--------------------------	------------------------------	------------------------------	--	-------------------------	----------------------

Analyzed by: Beverly A. Schrage

Date: 2/18/2023



Reviewed by: Beverly A. Schrage



Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

123021519

WATTS ARCHITECTURE & ENGINEERING
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: 1 of 1

Client: H2M architects + engineers

Project: Daniel P. Thomas Material Recovery Facility Roof Project

Building / Location: 1 Stew Leonard Drive, Yonkers, NY

Contact: Ted Knapp at (716) 206-5100

Preliminary Results to: tknapp@watts-ae.com

Mail Report & Invoice to: Watts Architecture & Engineering

95 Perry Street, Buffalo, NY 14203

Date: 2/10/2023

Watts Project No.: 20220388

Turnaround Requested:

3 Hr. 48 Hr.

6 Hr. 72 Hr.

12 Hr. x 5 Day

24 Hr. 6-10 Day

Analysis Requested:

198.1 x 198.6 x

198.4 x

Sample Number	Material Description	HA	Sample Location	Laboratory Results	
				PLM	TEM
20220388-01	Tan Flashing Mastic	1	MRF Building Roof B		
20220388-02	Tan Flashing Mastic	1	MRF Building Roof B		
20220388-03	Gray Gypsum Board	2	MRF Building Roof B, Roof Deck		
20220388-04	Gray Gypsum Board	2	MRF Building Roof B, Roof Deck		
20220388-05	Black Roof Paver	3	MRF Building Roof B		
20220388-06	Black Roof Paver	3	MRF Building Roof B		
20220388-07	Black Roof Seam Caulk	4	MRF Building Roof B		
20220388-08	Black Roof Seam Caulk	4	MRF Building Roof B		
20220388-09	Black Tar	5	MRF Building Roof B, side of skylight		
20220388-10	Black Tar	5	MRF Building Roof B, side of skylight		
20220388-11	Black Tar	6	MRF Building Roof B, at skylight termination bar		
20220388-12	Black Tar	6	MRF Building Roof B, at skylight termination bar		
20220388-13	Gray Fire Stop	7	MRF Building Roof B at penetration		
20220388-14	Gray Fire Stop	7	MRF Building Roof B at penetration		

Sampled By: Ted Knapp

Date: 2/9/23

Received By:

Date:

RECEIVED

Relinquished By: Ted Knapp

Date: 2/10/2023

Received By:

Date:

FEB 13 2023

Comments: If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.

If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

BY:

[Signature]

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Watts Architecture & Engineers
Attn: Ted Knapp
95 Perry Street
Suite 300
Buffalo, NY 14203

Date Received 02/13/23 **AmeriSci Job #** 123021520
Date Examined 02/16/23 **P.O. #**
ELAP # 10984 **Page** 1 of 3
RE: 20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-01 1 Location: Tan Flashing Mastic; Paper House Roof D Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 9.0%	123021520-01	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-02 1 Location: Tan Flashing Mastic; Paper House Roof D Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 6.9%	123021520-02	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
20220388-03 2 Location: Gray Gypsum Board; Paper House Roof D, Roof Deck Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 2.0%, Fibrous glass 2.0%, Non-fibrous 96%	123021520-03	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 02/16/23
20220388-04 2 Location: Gray Gypsum Board; Paper House Roof D, Roof Deck Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 2.0%, Fibrous glass 2.0%, Non-fibrous 96%	123021520-04	No	NAD (by NYS ELAP 198.1) by William M. Dunstan on 02/16/23
20220388-05 3 Location: Black Roof Seam Caulk; Paper House Roof D Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 19%	123021520-05	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-06 3	123021520-06 Location: Black Roof Seam Caulk; Paper House Roof D	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 43%			
20220388-07 4	123021520-07 Location: Gray Flashing Caulk; Paper House D, On Metal Flashing, Northwest Corner On Stairwell	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 17%			
20220388-08 4	123021520-08 Location: Gray Flashing Caulk; Paper House D, On Metal Flashing, Northwest Corner On Stairwell	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 19%			
20220388-09 5	123021520-09 Location: Black Tar; Paper House Roof D, Side Of Skylights	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 45%			
20220388-10 5	123021520-10 Location: Black Tar; Paper House Roof D, Side Of Skylights	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 29%			
20220388-11 6	123021520-11 Location: Black Roof Paver; Paper House Roof D	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 20%			

Client Name: Watts Architecture & Engineers

PLM Bulk Asbestos Report

20220388; Daniel P Thomas Material Recovery Facility Roof
Project; 1 Stew Leonard Drive, Yonkers NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
20220388-12 6	123021520-12 Location: Black Roof Paver; Paper House Roof D	No	NAD (NOB by NYS ELAP 198.6) by William M. Dunstan on 02/16/23
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 10%			

Reporting Notes:

Analyzed by: William M. Dunstan
Date: 2/16/2023



Reviewed by: Beverly A. Schrage



*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #233533, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4
20220388; Daniel P Thomas Material Recovery Facility Roof Project; 1 Stew Leonard Drive, Yonkers NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	20220388-01	1	0.062	86.4	4.6	9.0	NAD	NAD
Location: Tan Flashing Mastic; Paper House Roof D								
02	20220388-02	1	0.068	89.7	3.4	6.9	NAD	NAD
Location: Tan Flashing Mastic; Paper House Roof D								
03	20220388-03	2	----	----	----	----	NAD	NA
Location: Gray Gypsum Board; Paper House Roof D, Roof Deck								
04	20220388-04	2	----	----	----	----	NAD	NA
Location: Gray Gypsum Board; Paper House Roof D, Roof Deck								
05	20220388-05	3	0.128	44.2	36.6	19.1	NAD	NAD
Location: Black Roof Seam Caulk; Paper House Roof D								
06	20220388-06	3	0.428	39.5	16.6	43.9	NAD	NAD
Location: Black Roof Seam Caulk; Paper House Roof D								
07	20220388-07	4	0.382	55.9	26.9	17.2	NAD	NAD
Location: Gray Flashing Caulk; Paper House D, On Metal Flashing, Northwest Corner On Stairwell								
08	20220388-08	4	0.435	56.5	24.4	19.1	NAD	NAD
Location: Gray Flashing Caulk; Paper House D, On Metal Flashing, Northwest Corner On Stairwell								
09	20220388-09	5	0.232	53.1	1.4	45.5	NAD	NAD
Location: Black Tar; Paper House Roof D, Side Of Skylights								
10	20220388-10	5	0.319	53.0	17.7	29.4	NAD	NAD
Location: Black Tar; Paper House Roof D, Side Of Skylights								
11	20220388-11	6	0.644	75.0	4.9	20.1	NAD	NAD
Location: Black Roof Paver; Paper House Roof D								
12	20220388-12	6	0.174	85.3	4.5	10.2	NAD	NAD
Location: Black Roof Paver; Paper House Roof D								

Table I

Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

20220388; Daniel P Thomas Material Recovery Facility Roof Project; 1 Stew Leonard Drive, Yonkers NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
-------------------	----------------	---------	--------------------------	------------------------------	------------------------------	--	-------------------------	----------------------

Analyzed by: Beverly A. Schrage

Date: 2/18/2023



Reviewed by: Beverly A. Schrage



Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

123021520

WATTS ARCHITECTURE & ENGINEERING
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Client: H2M architects + engineers

Project: Daniel P. Thomas Material Recovery Facility Roof Project

Building / Location: 1 Stew Leonard Drive, Yonkers, NY

Contact: Ted Knapp at (716) 206-5100

Preliminary Results to: tknapp@watts-ae.com

Mail Report & Invoice to: Watts Architecture & Engineering
95 Perry Street, Buffalo, NY 14203

Date: 2/10/2023

Watts Project No.: 20220388

Turnaround Requested:

Analysis Requested:
198.1 x 198.6 x 198.4 x
3 Hr. 6 Hr. 12 Hr. 24 Hr.
48 Hr. 72 Hr. 5 Day 6-10 Day

Sample Number	Material Description	HA	Sample Location	Laboratory Results	
				PLM	TEM
20220388-01	Tan Flashing Mastic	1	Paper House Roof D		
20220388-02	Tan Flashing Mastic	1	Paper House Roof D		
20220388-03	Gray Gypsum Board	2	Paper House Roof D, roof deck		
20220388-04	Gray Gypsum Board	2	Paper House Roof D, roof deck		
20220388-05	Black Roof Seam Caulk	3	Paper House Roof D		
20220388-06	Black Roof Seam Caulk	3	Paper House Roof D		
20220388-07	Gray Flashing Caulk	4	Paper House Roof D, on metal flashing, northwest corner on stairwell		
20220388-08	Gray Flashing Caulk	4	Paper House Roof D, on metal flashing, northwest corner on stairwell		
20220388-09	Black Tar	5	Paper House Roof D, side of skylights		
20220388-10	Black Tar	5	Paper House Roof D, side of skylights		
20220388-11	Black Roof Paver	6	Paper House Roof D		
20220388-12	Black Roof Paver	6	Paper House Roof D		

Sampled By: Ted Knapp

Date: 2/9/23

Received By:

Date:

Relinquished By: Ted Knapp

Date: 2/10/2023

Received By:

Date:

Comments: If PLM NOB is negative, analyze by TEM. Stop at first positive for each homogeneous material description group.

If Vermiculite is detected in a sample cease analysis on that sample immediately and contact the Watts Project Manager for further instructions.

Date: **RECEIVED**

FEB 13 2023

BY: 

3.0 – POLYCHLORINATED BIPHENYLS IN CAULK/SEALANTS

3.0 POLYCHLORINATED BIPHENYLS IN CAULK/SEALANTS

It was requested that Watts' investigate caulk materials within the proposed project limits to determine if polychlorinated biphenyls (PCBs) were present.

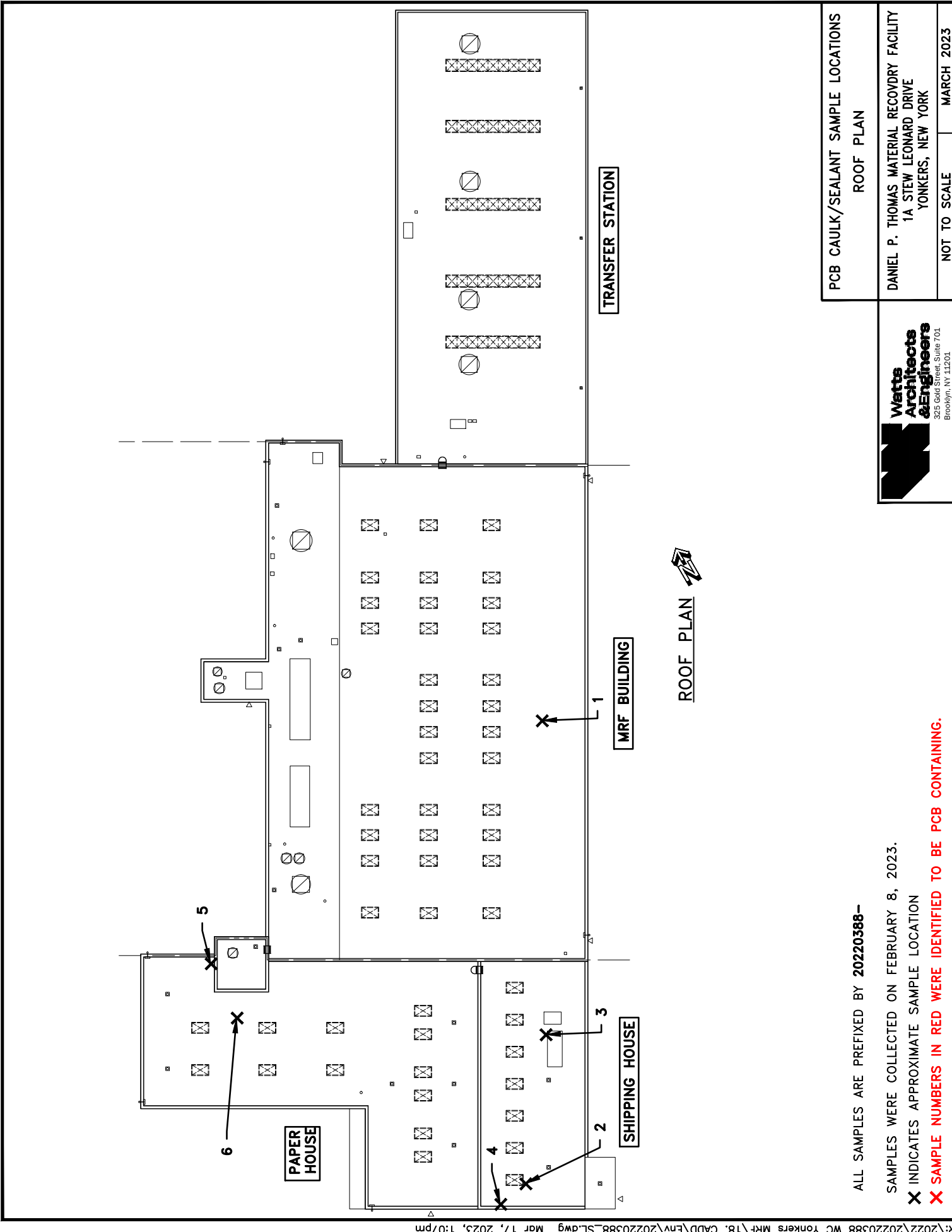
Samples were collected using simple hand tools from each matrix identified as a potential PCB-containing material. The samples were analyzed by Schneider Laboratories Global of Richmond, VA, a NYSDOH approved laboratory. The samples were analyzed using USEPA SW-846 Method 8082, PCBs. The following table identifies all suspect materials identified, their corresponding sample numbers, and individual PCB aroclor analytical results.

The laboratory results indicate that the materials sampled do not contain more than 50 parts per million (ppm) polychlorinated biphenyls (PCBs) and do not require any special handling or disposal.

**HOMOGENEOUS MATERIALS LIST
ROOF, HVAC AND ELECTRICAL UPGRADE PROJECT
DANIEL P. THOMAS MATERIAL RECOVERY FACILITY
1A STEW LEONARD DRIVE
YONKERS, NEW YORK**

	PCB Concentration (mg/kg or ppm)									Material & Sample Location
	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	
PCB -01	ND	ND	ND	ND	ND	ND	ND	ND	ND	MRF Building Roof B – Black roof seam caulk
PCB -02	ND	ND	ND	ND	ND	ND	ND	ND	ND	Shipping House Roof C – Grey/white roof seam caulk
PCB -03	ND	ND	ND	ND	ND	ND	ND	ND	ND	Shipping House Roof C – Silver caulk on supply unit 6
PCB -04	ND	ND	ND	ND	ND	ND	ND	ND	ND	Shipping House Roof C – Grey caulk on metal flashing
PCB -05	ND	ND	ND	ND	ND	ND	ND	ND	ND	Paper House Roof D – Gray metal flashing caulk
PCB -06	ND	ND	ND	ND	ND	ND	ND	ND	ND	Paper House Roof D – Black roof seam caulk

3.1 – SAMPLE LOCATION DRAWINGS



ALL SAMPLES ARE PREFIXED BY 20220388--

SAMPLES WERE COLLECTED ON FEBRUARY 8, 2023.

X INDICATES APPROXIMATE SAMPLE LOCATION

X SAMPLE NUMBERS IN RED WERE IDENTIFIED TO BE PCB CONTAINING.



PCB CAULK/SEALANT SAMPLE LOCATIONS
ROOF PLAN

DANIEL P. THOMAS MATERIAL RECOVERY FACILITY
1A STEW LEONARD DRIVE
YONKERS, NEW YORK

NOT TO SCALE MARCH 2023

3.2 – LABORATORY REPORTS AND CHAIN-OF-CUSTODY



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Watts Architecture & Engineering (4637)
Address: 95 Perry Street Suite 300
Buffalo, NY 14203

Order #: 505502

Matrix Bulk
Received 02/13/23
Reported 02/20/23

Attn:

Project: Daniel P Thomas Material
Location: 1 Stew Leonard Dr Yonkers NY
Number: 20220388

PO Number: 7628

Sample ID	Cust. Sample ID	Location					
Parameter		Method	Result	RL*	Units	Analysis Date	Analyst
505502-001	PCB-01	MRF Building Roof B					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1221		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1232		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1242		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1248		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1254		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1260		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1262		SW846 8082A	<484	484	µg/kg	02/16/23	AE
Aroclor - 1268		SW846 8082A	<484	484	µg/kg	02/16/23	AE
505502-002	PCB-02	Shipping House Roof C					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1221		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1232		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1242		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1248		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1254		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1260		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1262		SW846 8082A	<490	490	µg/kg	02/16/23	AE
Aroclor - 1268		SW846 8082A	<490	490	µg/kg	02/16/23	AE
505502-003	PCB-03	Shipping House Roof C					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<473	473	µg/kg	02/16/23	AE
Aroclor - 1221		SW846 8082A	<473	473	µg/kg	02/16/23	AE
Aroclor - 1232		SW846 8082A	<473	473	µg/kg	02/16/23	AE
Aroclor - 1242		SW846 8082A	<473	473	µg/kg	02/16/23	AE
Aroclor - 1248		SW846 8082A	<473	473	µg/kg	02/16/23	AE
Aroclor - 1254		SW846 8082A	<473	473	µg/kg	02/16/23	AE

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Watts Architecture & Engineering (4637)
Address: 95 Perry Street Suite 300
Buffalo, NY 14203

Order #: 505502

Matrix Bulk
Received 02/13/23
Reported 02/20/23

Attn:

Project: Daniel P Thomas Material
Location: 1 Stew Leonard Dr Yonkers NY
Number: 20220388

PO Number: 7628

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
505502-003	PCB-03	Shipping House Roof C					
Aroclor - 1260		SW846 8082A	<473	473	µg/kg	02/16/23	AE
Aroclor - 1262		SW846 8082A	<473	473	µg/kg	02/16/23	AE
Aroclor - 1268		SW846 8082A	<473	473	µg/kg	02/16/23	AE
505502-004	PCB-04	Shipping House Roof C					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1221		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1232		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1242		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1248		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1254		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1260		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1262		SW846 8082A	<477	477	µg/kg	02/16/23	AE
Aroclor - 1268		SW846 8082A	<477	477	µg/kg	02/16/23	AE
505502-005	PCB-05	Paper House Roof D					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1221		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1232		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1242		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1248		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1254		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1260		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1262		SW846 8082A	<462	461	µg/kg	02/16/23	AE
Aroclor - 1268		SW846 8082A	<462	461	µg/kg	02/16/23	AE
505502-006	PCB-06	Paper House Roof D					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<492	491	µg/kg	02/16/23	AE
Aroclor - 1221		SW846 8082A	<492	491	µg/kg	02/16/23	AE

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Watts Architecture & Engineering (4637)
Address: 95 Perry Street Suite 300
Buffalo, NY 14203

Order #: 505502

Matrix Bulk
Received 02/13/23
Reported 02/20/23

Attn:

Project: Daniel P Thomas Material
Location: 1 Stew Leonard Dr Yonkers NY
Number: 20220388

PO Number: 7628

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
505502-006	PCB-06	Paper House Roof D					
Aroclor - 1232		SW846 8082A	<492	491	µg/kg	02/16/23	AE
Aroclor - 1242		SW846 8082A	<492	491	µg/kg	02/16/23	AE
Aroclor - 1248		SW846 8082A	<492	491	µg/kg	02/16/23	AE
Aroclor - 1254		SW846 8082A	<492	491	µg/kg	02/16/23	AE
Aroclor - 1260		SW846 8082A	<492	491	µg/kg	02/16/23	AE
Aroclor - 1262		SW846 8082A	<492	491	µg/kg	02/16/23	AE
Aroclor - 1268		SW846 8082A	<492	491	µg/kg	02/16/23	AE

505502-02/20/23 05:28 PM

Kelly Muncy

Reviewed By: **Kelly Muncy**
Manager

Surrogate Recoveries

505502-001 - PCB

DCB MI
TCMX MI

505502-002 - PCB

DCB MI
TCMX MI

505502-003 - PCB

DCB MI
TCMX MI

505502-004 - PCB

DCB MI
TCMX MI

505502-005 - PCB

DCB MI
TCMX MI

505502-006 - PCB

DCB MI
TCMX MI

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Watts Architecture & Engineering (4637)
Address: 95 Perry Street Suite 300
Buffalo, NY 14203

Order #: 505502

Matrix Bulk
Received 02/13/23
Reported 02/20/23

Attn:

Project: Daniel P Thomas Material
Location: 1 Stew Leonard Dr Yonkers NY
Number: 20220388

PO Number: 7628

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 63558
Virginia	VELAP 12088

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results apply to the sample as received.

**SCHNEIDER LABORATORIES GLOBAL, INC.**

2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com • info@slabinc.com

0 6

505502

V:15051505502

kmuncy
UPS2/13/2023 10:31:33 AM
1Z2E28998470836035

Submitting Co.	Watts Architecture & Engineering	State of Collection		Cert. Required	☐ YES ☐ NO
510 Clinton Square, Suite 510		Acct #	4637	Phone	585-297-0749
Rochester, NY 14604		Email	tknapp@watts-ae.com		
Project Name	Daniel P. Thomas Material Recovery Facility Roof Project	PO #			
Project Location	1 Stew Leonard Dr, Yonkers, NY	Special Instructions			
Project Number	20220388				
Collected By	Ted Knapp				

Turn Around Time **	Matrix	Test selection for all Samples listed below (Circle desired method)		Individual Sample Requests				
☐ Same day * ☐ 1 business day ☐ 2 business days ☐ 3 business days ☒ 5 business days * not available for all tests	☐ Paint ☒ Bulk ☐ Soil ☐ Wipe ☐ Ground Water ☐ Waste Water	☐ VOC (8260/624) ☐ Pesticides (8081/608) ☐ Chlordane (8081/608) ☒ PCB (8082) ☐ BTEX (8260/8021)	☐ SVOC (8270/625) ☐ Herbicides (8151) ☐ Toxaphene (8081/608) ☐ TPH-DRO (8015) ☐ TPH-GRO (8015) ☐ MTBE (8260/8021) ☐ Naphthalene (8260/8270)					
		TCLP	Miscellaneous					
		☐ Volatiles ☐ Semi-Volatiles ☐ Herbicides ☐ Pesticides ☐ Full TCLP (10 Day)	☐ Chlorides (300/9056) ☐ Sulfates (300/9056) ☐ Oil and Grease (1664) ☐ Silica (7602) ☐ PAH (8270/625) ☐ TPH (EPA 418.1)					
** A job received past 3 PM will begin its TAT the next business day								
Please schedule rush tests in advance								

Sample #	Date Sampled	Time Sampled	# of Containers	Sample Identification	Wipe Area
PCB-01	2/9/23	1345		MRF Building Roof B - Black roof seam caulk	
PCB-02	2/9/23	1430		Shipping House Roof C - Gray/White roof seam caulk	
PCB-03	2/9/23	1500		Shipping House Roof C - Silver caulk on supply unit 6	
PCB-04	2/9/23	1535		Shipping House Roof C - Gray caulk on metal flashing	
PCB-05	2/9/23	1600		Paper House Roof D - Gray metal flashing caulk	
PCB-06	2/9/23	1630		Paper House Roof D - Black roof seam caulk	

For Aqueous and Solid samples ensure enough sample is sent for duplicate and spike analyses

Relinquished By:

Signature:

Date/Time

2/10/23

ALL SHADED FIELDS MUST BE FILLED TO AVOID DELAYS!

4.0 – SITE PHOTOGRAPHS



Photo 1 – Overall view of Transfer Station roof.



Photo 2 – View of asbestos-containing roof flashing around the skylights on the Transfer Station roof.





Photo 3 – View of asbestos-containing roofing under the metal cap at the perimeter of the roof on the Transfer Station roof.



5.0 – LABORATORY ACCREDITATIONS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
Issued April 01, 2022

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. THOMAS R. MCKEE
AMERISCI RICHMOND
13635 GENITO RD
MIDLOTHIAN, VA 23112

NY Lab Id No: 10984

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual

NEW YORK STATE
Department
of Health

Serial No.: 64551

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AmeriSci Richmond
dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112
Mr. Thomas B. Keith
Phone: 804-763-1200 Fax: 804-763-1800
Email: bkeith@amerisci.com
<http://www.amerisci.com>

ASBESTOS FIBER ANALYSIS

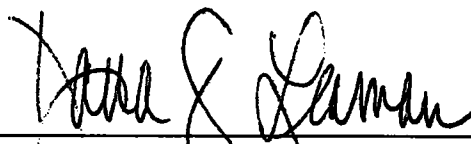
NVLAP LAB CODE 101904-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
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

<u>Code</u>	<u>Description</u>
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



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101904-0

AmeriSci Richmond
Midlothian, VA

*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).*

2022-07-01 through 2023-06-30

Effective Dates



For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
Issued April 01, 2022

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. FAYEZ ABOUZAKI
SCHNEIDER LABORATORIES GLOBAL, INC
2512 WEST CARY STREET
RICHMOND, VA 23220-5117

NY Lab Id No: 11413

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Characteristic Testing

TCLP EPA 1311

Metals I

Barium, Total EPA 6010D

Cadmium, Total EPA 6010D

Calcium, Total EPA 6010D

Chromium, Total EPA 6010D

Copper, Total EPA 6010D

Iron, Total EPA 6010D

Lead, Total EPA 6010D

Magnesium, Total EPA 6010D

Manganese, Total EPA 6010D

Nickel, Total EPA 6010D

Potassium, Total EPA 6010D

Silver, Total EPA 6010D

Sodium, Total EPA 6010D

Metals II

Aluminum, Total EPA 6010D

Antimony, Total EPA 6010D

Arsenic, Total EPA 6010D

Beryllium, Total EPA 6010D

Chromium VI EPA 7196A

Mercury, Total EPA 7471B

Selenium, Total EPA 6010D

Metals II

Vanadium, Total EPA 6010D

Zinc, Total EPA 6010D

Metals III

Cobalt, Total EPA 6010D

Molybdenum, Total EPA 6010D

Thallium, Total EPA 6010D

Tin, Total EPA 6010D

Titanium, Total EPA 6010D

Miscellaneous

Boron, Total EPA 6010D

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016) EPA 8082A

Aroclor 1221 (PCB-1221) EPA 8082A

Aroclor 1232 (PCB-1232) EPA 8082A

Aroclor 1242 (PCB-1242) EPA 8082A

Aroclor 1248 (PCB-1248) EPA 8082A

Aroclor 1254 (PCB-1254) EPA 8082A

Aroclor 1260 (PCB-1260) EPA 8082A

Aroclor 1262 (PCB-1262) EPA 8082A

Aroclor 1268 (PCB-1268) EPA 8082A

Sample Preparation Methods

EPA 3010A

EPA 3050B

Serial No.: 64652

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



6.0 – CONSULTANT’S LICENSES AND CERTIFICATIONS



New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Watts Architecture & Engineering, D.P.C.
Suite 300
95 Perry Street
Buffalo, NY 14203

FILE NUMBER: 12-68007
LICENSE NUMBER: 68007
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 09/01/2022
EXPIRATION DATE: 09/30/2023

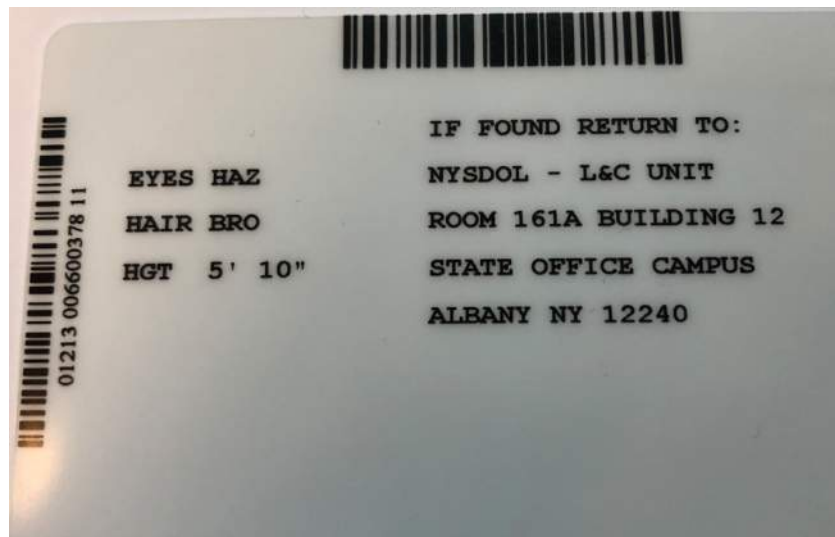
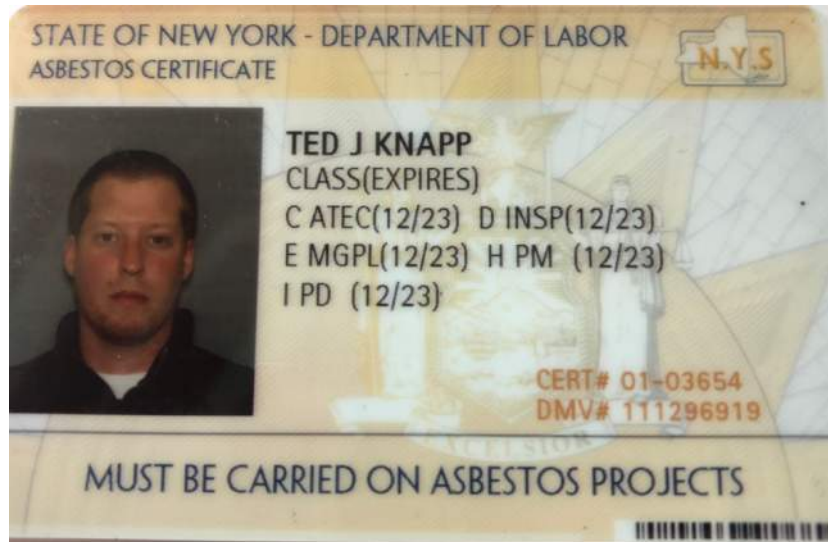
Duly Authorized Representative – Kevin Janik:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

SH 432 (8/12)



Theodore Knapp

C - Air Sampling Technician
D - Inspector
E - Management Planner
H - Project Monitor
I - Project Designer

REVISED TABLE OF CONTENTS

Per Addendum 1

TECHNICAL SPECIFICATIONS

CONTRACT NO. 23-519

DIVISION 1 – GENERAL REQUIREMENTS

Section 011100	Summary of Work
Section 011400	Work Restrictions
Section 012100	Allowances
Section 012200	Unit Prices
Section 012500	Product Substitution Procedures
Section 012700	Mobilization
Section 012900	Payment Procedures
Section 012973	Schedule of Values
Section 013100	Project Management and Coordination
Section 013119	Progress Meetings
Section 013216	Construction Schedule
Section 013300	Submittals
Section 014100	Regulatory Requirements
Section 014320	Pre-Installation Meetings
Section 014500	Quality Control
Section 014536	Environmental Quality Control
Section 015000	Temporary Facilities and Controls
Section 016100	Basic Product Requirements
Section 016500	Product Delivery, Storage and Handling
Section 017423	Cleaning
Section 017800	Closeout Submittals
Section 017823	Operating and Maintenance Data
Section 017839	Project Record Documents

DIVISION 2 - SITE CONSTRUCTION

Section 020100	Maintenance of Existing Conditions
Section 024119	Selective Demolition
Section 028200	Asbestos Remediation

DIVISION 3 – CONCRETE

Section 033300	Cast-in-Place Concrete
----------------	------------------------

DIVISION 5 – METALS

Section 051200	Structural Steel Framing
Section 053100	Steel Decking
Section 055000	Metal Fabrications
Section 055133	Metal Ladders
Section 055213	Pipe and Tube Railings

DIVISION 6 - WOOD AND PLASTICS

Section 061000	Rough Carpentry
----------------	-----------------

REVISED TABLE OF CONTENTS *Per Addendum 1*

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 070150	Preparation for Re-Roofing
Section 075216	Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing
Section 076200	Sheet Metal Flashing and Trim
Section 077200	Roof Accessories
Section 078413	Penetration Firestopping
Section 079200	Joint Sealants

DIVISION 9 – FINISHES

Section 099123	Interior Painting
----------------	-------------------

DIVISION 22 – PLUMBING

Section 224400	Plumbing Specialties
----------------	----------------------

DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)

Section 230010	General Mechanical Requirements
Section 230015	Mechanical Demolition
Section 230135	HVAC System Cleaning
Section 230529	Pipe Hangers and Supports
Section 230533	Piping Freeze Protection System
Section 230555	Mechanical System Identification
Section 230594	Balancing of Air Systems
Section 230700	Pipe Insulation
Section 230719	Ductwork Insulation
Section 230800	Commissioning of Mechanical Systems
Section 230991	Instrumentation and Control Integration
Section 230993	Sequence of Operations
Section 232000	Pipe, Valves and Fittings
Section 232001	Condensate Drain Piping
Section 232006	Hydronic Specialties
Section 232007	Piping Specialties
Section 232300	Refrigerant Piping
Section 233113	Sheet Metal Work
Section 233416	Exhaust Fans
Section 234000	HVAC Air Cleaning Devices
Section 237213	Air Cooled Condensing Units
Section 237313	Air Handling Units
Section 238100	Packaged Rooftop Units

DIVISION 26 – ELECTRICAL

Section 260000	Electrical
Section 260010	Electrical Demolition
Section 260519	Low-Voltage Electrical Power Conductors and Cables
Section 260526	Grounding and Bonding for Electrical Systems
Section 260529	Hangers and Supports for Electrical Systems

REVISED TABLE OF CONTENTS *Per Addendum 1*

Section 260533	Raceways and Boxes for Electrical Systems
Section 260553	Identification for Electrical Systems
Section 262726	Wiring Devices
Section 265000	Lighting

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

Section 283100	Fire Detection and Alarm
----------------	--------------------------

APPENDICES

APPENDIX A: Pre-Renovation Survey for Asbestos-Containing Materials and Polychlorinated Biphenyls in Caulks and Sealants for The Roof, HVAC and Electrical Upgrade Project at The Daniel P. Thomas Material Recovery Facility.