

**ASBESTOS ABATEMENT PROJECT
DOCUMENTATION**

For

**Scranton School District
425 North Washington Avenue
Scranton, Pennsylvania 18503**

Project Location:

**Northeast Scranton Intermediate
721 Adams Avenue
Scranton, PA 18510**

Prepared By:

Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411
(570) 586-9700
Fax (570) 586-6728

November 5, 2019

TABLE OF CONTENTS

SECTION 1	PROJECT SUMMARY
SECTION 2	DAILY SAMPLING RESULTS (PCM RESULTS)
SECTION 3	DAILY SAMPLING RESULTS (TEM RESULTS)
SECTION 4	DAILY ACTIVITIES
SECTION 5	WASTE SHIPMENT RECORDS

Guzek Associates Inc
401 Davis Street
Clarks Summit, PA 18411

Project Summary
GAI Project #SSD.19_806
Northeast Scranton Intermediate

Section 1

PROJECT SUMMARY

Client name: Scranton School District
425 North Washington Avenue
Scranton, Pennsylvania 18503

Project: Northeast Scranton Intermediate
721 Adams Avenue
Scranton, PA 18510

Work areas: Basement Area - Plenum No 1 in Air Supply Room, and
Basement Rear Storage room

Project dates: September 23 thru 27, 2019

Asbestos Abatement Contractor: Riddle Environmental Services
431 Smith Street
Dunmore, PA 18512

Summary

A. Project Description

Guzek Associates Inc (GAI) was on site at the Northeast Intermediate School to provide Project Air Monitoring/Quality Assurance Services for the Asbestos abatement project specified above. The abatement activities took place on September 23rd thru 27th, 2019. The abatement contractor was Riddle Environmental Services, Dunmore Pa.

The purpose of the project was to remove the following hazardous materials:

Asbestos building materials – Removal of all damaged TSI (Thermal System Insulation) above Plenum No. 1 metal ceiling and in the floor trench. Removal of Approximately 35 – 40 square feet of duct insulation in the rear storage room.

B. Asbestos abatement

For the duration of the asbestos abatement work, Riddle Environmental Services operated with a crew of two (2) including their on-site Supervisor. A Pa-Department of Labor & Industry (DLI)-licensed supervisor was on site at all times. All workers and supervisors and the abatement contractor were certified by the Pa. Department of Labor and Industry for the performance of asbestos abatement in the state of Pennsylvania. Certification documents for all workers and supervisors were reviewed by GAI before they were allowed to participate in asbestos abatement work.

During the asbestos abatement activities, GAI conducted environmental air sampling (PCM) outside the work area to assure that the asbestos abatement procedures were not contaminating the surrounding areas. After work was completed, visual inspections and final clearance sampling (TEM) was performed in the regulated area. The first round of TEM's in the Basement Rear Storage Room did not pass final clearance criteria. The Area was re-cleaned and sprayed with lockdown. TEM's were taken again in the Basement Rear Storage Room and the results met the final clearance criteria.

During the project there were no PCM samples collected outside the regulated areas that exceeded 0.1 f/cc, the OSHA Permissible Exposure Limit (PEL).

Final clearance samples collected in the regulated area contained an average of less than 70 structures per cubic centimeter (AHERA clearance criteria for TEM sampling following asbestos abatement projects in schools). See Section 3 of this report for laboratory results.

Written summaries of the activities noted daily by GAI quality assurance personnel are attached in Section 4 of this report.

Analysis Methodologies:

All PCM and TEM air samples were collected and analyzed in accordance with all AHERA requirements. PCM sample analyses were performed via Phase Contrast Microscopy (PCM) in conformance with the NIOSH 7400 Analytical Methodology "A" Rules for Airborne Fiber Concentrations. TEM analyses were performed by EMSL Analytical, Inc. located in Cinnaminson, NJ and were analyzed according to EPA 40 CFR Part 763 Final Rule (AHERA).

Disposal:

All asbestos waste materials were placed in double-lined bags labeled with asbestos warning labels and generator identification labels.

Reviewed By:

Brent M. Tripp
Guzek Associates, Inc
DLI Asbestos Inspector Certification #053975)

Section 2
DAILY SAMPLING RESULTS
(PCM RESULTS)

Phase Contrast Microscopy (PCM)

Client: Scranton School District
425 North Washington Avenue
Scranton, Pennsylvania 18503

Sampling Date: September 23, 2019

Technician: Brent Tripp

Project: Northeast Scranton Intermediate (Basement) - Plenum #1
Damaged TSI (Thermal System Insulation)

Project #: SSD 19_806

Sample #	Volume (Liters)	Sample Location	Type of Activity	Type of Sample	Fibers/field	F/cc
001	450	Maintenance Room at Plenum #1	AP	BKG	8/100	0.009
002	450	Maintenance Room at Plenum #1	AP	BKG	8/100	0.009
003	450	Maintenance Office/Break Room	AP	BKG	7/100	0.008

Comments:

Samples analyzed by Phase Contrast Microscopy (PCM) utilizing the NIOSH 7400 Analytical Methodology "A" Counting Rules. This methodology is not specific for asbestos fibers. "<" Indicates less than detection limit. Sample concentrations expressed in fibers per cubic centimeter (f/cc).

Relative Standard Deviation: 5-20 fibers/100 fields-29%, 20-50 fibers/100 fields-21%, 50-100 fibers/100 fields-22%, >100 fibers/<100 fields-24%

Microscope: Olympus

Type of activity: AP – Area preparation
AR – Asbestos removal
AC – Area cleaning
CAP – Encapsulation

Type of sample: BKG – Background air sample
OSHA – Personal air sample (during removal)
ENV-CLR – Clean room of decontamination unit
ENV-HEPA – HEPA exhaust
ENV – IWA – Inside work area
ENV – OWA – Outside work area
CAS – Clearance air sample

Phase Contrast Microscopy (PCM)

Client: Scranton School District
425 North Washington Avenue
Scranton, Pennsylvania 18503

Sampling Date: September 24, 2019

Technician: Brent Tripp

Project: Northeast Scranton Intermediate (Basement) - In Plenum #1 & Basement Rear Storage Room
Damaged TSI (Thermal System Insulation) **Project #:** SSD 19_806

Sample #	Volume (Liters)	Sample Location	Type of Activity	Type of Sample	Fibers/field	F/cc
001	725	At Rear Storage Area	AP/AR	ENV-OWA	9/100	0.006
002	725	At Rear Storage Area	AP/AR	ENV-OWA	Overloaded	-
003	650	Maintenance Room at HEPA of Plenum #1	AR	ENV-HEPA	7/100	0.005
004	650	Maintenance Room at outside of Plenum #1	AR	ENV-OWA	8/100	0.006

Comments:

Samples analyzed by Phase Contrast Microscopy (PCM) utilizing the NIOSH 7400 Analytical Methodology "A" Counting Rules. This methodology is not specific for asbestos fibers. "<" Indicates less than detection limit. Sample concentrations expressed in fibers per cubic centimeter (f/cc).

Relative Standard Deviation: 5-20 fibers/100 fields-29%, 20-50 fibers/100 fields-21%, 50-100 fibers/100 fields-22%, >100 fibers/<100 fields-24%

Microscope: Olympus

Type of activity: AP – Area preparation
AR – Asbestos removal
AC – Area cleaning
CAP – Encapsulation

Type of sample: BKG – Background air sample
OSHA – Personal air sample (during removal)
ENV-CLR – Clean room of decontamination unit
ENV-HEPA – HEPA exhaust
ENV – IWA – Inside work area
ENV – OWA – Outside work area
CAS – Clearance air sample

Phase Contrast Microscopy (PCM)

Client: Scranton School District
425 North Washington Avenue
Scranton, Pennsylvania 18503

Sampling Date: September 25, 2019

Technician: Brent Tripp

Project: Northeast Scranton Intermediate (Basement) - Plenum #1
Damaged TSI (Thermal System Insulation)

Project #: SSD 19_806

Sample #	Volume (Liters)	Sample Location	Type of Activity	Type of Sample	Fibers/field	F/cc
001	950	Maintenance Room in HEPA of Plenum #1	AR	ENV-HEPA	7/100	0.004
002	950	Maintenance Room outside of Plenum #1	AR	ENV-OWA	8/100	0.004

Comments:

Samples analyzed by Phase Contrast Microscopy (PCM) utilizing the NIOSH 7400 Analytical Methodology "A" Counting Rules. This methodology is not specific for asbestos fibers. "<" Indicates less than detection limit. Sample concentrations expressed in fibers per cubic centimeter (f/cc).

Relative Standard Deviation: 5-20 fibers/100 fields-29%, 20-50 fibers/100 fields-21%, 50-100 fibers/100 fields-22%, >100 fibers/<100 fields-24%

Microscope: Olympus

Type of activity: AP – Area preparation
AR – Asbestos removal
AC – Area cleaning
CAP – Encapsulation

Type of sample: BKG – Background air sample
OSHA – Personal air sample (during removal)
ENV-CLR – Clean room of decontamination unit
ENV-HEPA – HEPA exhaust
ENV – IWA – Inside work area
ENV – OWA – Outside work area
CAS – Clearance air sample

Phase Contrast Microscopy (PCM)

Client: Scranton School District
425 North Washington Avenue
Scranton, Pennsylvania 18503

Sampling Date: September 26, 2019

Technician: Brent Tripp

Project: Northeast Scranton Intermediate (Basement) - In Plenum #1
Damaged TSI (Thermal System Insulation)

Project #: SSD 19_806

Sample #	Volume (Liters)	Sample Location	Type of Activity	Type of Sample	Fibers/field	F/cc
001	1150	Maintenance Room in HEPA of Plenum #1	AR	ENV-HEPA	6/100	<0.002
002	1150	Maintenance Room outside of Plenum #1	AR	ENV-OWA	11/100	0.005
003	1120	Maintenance Room in HEPA of Plenum #1	AR	ENV-HEPA	8/100	0.003
004	1120	Maintenance Room outside of Plenum #1	AR	ENV-OWA	10/100	0.004

Comments:

Samples analyzed by Phase Contrast Microscopy (PCM) utilizing the NIOSH 7400 Analytical Methodology "A" Counting Rules. This methodology is not specific for asbestos fibers. "<" Indicates less than detection limit. Sample concentrations expressed in fibers per cubic centimeter (f/cc).

Relative Standard Deviation: 5-20 fibers/100 fields-29%, 20-50 fibers/100 fields-21%, 50-100 fibers/100 fields-22%, >100 fibers/<100 fields-24%

Microscope: Olympus

Type of activity: AP – Area preparation
AR – Asbestos removal
AC – Area cleaning
CAP – Encapsulation

Type of sample: BKG – Background air sample
OSHA – Personal air sample (during removal)
ENV-CLR – Clean room of decontamination unit
ENV-HEPA – HEPA exhaust
ENV – IWA – Inside work area
ENV – OWA – Outside work area
CAS – Clearance air sample

Section 3
DAILY SAMPLING RESULTS
(TEM RESULTS)

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041928603

 RECEIVED
 CINNAMINSON, N.J.
 PHONE:
 2019 SEP 30 AM 9:52
 FAX:

Company Name : Guzek Associates, Inc.		EMSL Customer ID:	
Street: 401 Davis Street		City: Clarks Summit	State/Province: PA
Zip/Postal Code: 18411	Country: USA	Telephone #: 570-586-9700	Fax #:
Report To (Name): Chris Notari		Please Provide Results: ☐ Fax ☐ Email	
Email Address: guzekassoc@aol.com		Purchase Order:	
Project Name/Number: SSD 19_806 Northeast Intermediate School		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: Pennsylvania		CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt	
EMSL-Bill to: ☒ Same ☐ Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air ☐ Check if samples are from NY ☐ NIOSH 7400 ☐ w/ OSHA 8hr. TWA		TEM - Air ☐ 4-4.5hr TAT (AHERA only) ☒ AHERA 40 CFR, Part 763 ☐ NIOSH 7402 ☐ EPA Level II ☐ ISO 10312	
PLM - Bulk (reporting limit) ☐ PLM EPA 600/R-93/116 (<1%) ☐ PLM EPA NOB (<1%) Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%) Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%) ☐ NYS 198.1 (friable in NY) ☐ NYS 198.6 NOB (non-friable-NY) ☐ NYS 198.8 SOF-V ☐ NIOSH 9002 (<1%)		TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (non-friable-NY) ☐ Chatfield SOP ☐ TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm ☐ Waste ☐ Drinking All Fiber Sizes ☐ Waste ☐ Drinking	
☐ Microvac - ASTM D 5755 ☐ Wipe - ASTM D6480 ☐ Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite ☐ PLM EPA 600/R-93/116 with milling prep (<1%) ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%) ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%) ☐ TEM Qualitative via Filtration Prep ☐ TEM Qualitative via Drop Mount Prep ☐ Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)	
☐ Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm	
Samplers Name: Brent M. Tripp		Samplers Signature: <i>Brent M. Tripp</i>	
Sample #	Sample Description	Volume/Area (Air) / HA # (Bulk)	Date/Time Sampled
101	In Duct work Containment, in Storage Room	1200	9/25/2019 4:45pm
102	In Duct work Containment, in Storage Room	1200	9/25/2019 4:45pm
103	In Duct work Containment, in Storage Room	1200	9/25/2019 4:45pm
104	In Duct work Containment, in Storage Room	1200	9/25/2019 4:45pm
105	In Duct work Containment, in Storage Room	1200	9/25/2019 4:45pm
Client Sample # (s): 101, 102, 103, 104, 105 & 01, 02, 03, 04, 05		Total # of Samples: Ten (10)	
Relinquished (Client): <i>Brent M. Tripp</i>		Date: 09/27/2019	Time: 1:30 pm
Received (Lab): <i>CB B</i>		Date: 9-30-19	Time: 4:30a
Comments/Special Instructions: Please call Brent Tripp with results at 570-499-3474. Thank you!			



EMSL Order Number (Lab Use Only):

0 4, 9, 28, 60, 3

RECEIVED
CINEMA EMSL
PHONE MINSON, N.J.
FAX:
2019 SEP 30 AM 9:52
e information

AM 9:52

***Comments/Special Instructions:**

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041928603

CustomerID: CLAG50

CustomerPO:

ProjectID:

Attn: **Chris Notari**
Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Phone: (570) 586-9700
Fax: (570) 586-6728
Received: 09/30/19 9:10 AM
Analysis Date: 9/30/2019
Collected: 9/25/2019

Project: **SSD 19_806 Northeast Intermediate School**

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)
Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥ 0.5μ	< 5μ		(S/mm ²)	(S/cc)
101	In Ductwork Containment, in Storage Room	1200.00	0.0780	0	Chrysotile	7	2	0.0041	120.00	0.0370
041928603-0001										
102	In Ductwork Containment, in Storage Room	1200.00	0.0650	0	Chrysotile	3	2	0.0049	77.00	0.0250
041928603-0002										
103	In Ductwork Containment, in Storage Room	1200.00	0.0650	0	Chrysotile	6	0	0.0049	92.00	0.0300
041928603-0003										
104	In Ductwork Containment, in Storage Room	1200.00	0.0650	0	Chrysotile	3	2	0.0049	77.00	0.0250
041928603-0004										
105	In Ductwork Containment, in Storage Room	1200.00	0.0650	0	Chrysotile	0	1	0.0049	15.00	0.0049
041928603-0005										

Analyst(s)

Debbie Little (5)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 10/01/2019 07:31:01

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041928603

CustomerID: CLAG50

CustomerPO:

ProjectID:

Attn: **Chris Notari**
Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Phone: (570) 586-9700
Fax: (570) 586-6728
Received: 09/30/19 9:10 AM
Analysis Date: 10/1/2019
Collected: 9/25/2019

Project: **SSD 19_806 Northeast Intermediate School**

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)
Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥ 0.5μ	< 5μ		(S/mm ²)	(S/cc)
01	In Plenum No. 1 Containment	1200.00	0.0650	0	Amosite	1	1	0.0049	31.00	0.0099
041928603-0006										
02	In Plenum No. 1 Containment	1200.00	0.0650	0	None Detected			0.0049	<15.00	<0.0049
041928603-0007										
03	In Plenum No. 1 Containment	1200.00	0.0650	0	None Detected			0.0049	<15.00	<0.0049
041928603-0008										
04	In Plenum No. 1 Containment	1200.00	0.0650	0	None Detected			0.0049	<15.00	<0.0049
041928603-0009										
05	In Plenum No. 1 Containment	1200.00	0.0650	0	None Detected			0.0049	<15.00	<0.0049
041928603-0010										

Analyst(s)

Debbie Little (1)

Garret Vliet (4)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from 10/01/2019 07:31:01

EMSL

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041929297

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Company Name : Guzek Associates, Inc.		EMSL Customer ID:	
Street: 401 Davis Street		City: Clarks Summit	State/Province: PA
Zip/Postal Code: 18411	Country: US	Telephone #: 570-499-3474	Fax #: 570-586-6728
Report To (Name): Brent Tripp		Please Provide Results: ☐ Fax ☒ Email	
Email Address: guzekassoc@aol.com		Purchase Order:	
Project Name/Number: SSD.19806NEIS		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: PA		CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt	
EMSL-Bill to: ☐ Same ☒ Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air ☐ Check if samples are from NY ☐ NIOSH 7400 ☐ w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) ☐ PLM EPA 600/R-93/116 (<1%) ☐ PLM EPA NOB (<1%) Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%) Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%) ☐ NYS 198.1 (friable in NY) ☐ NYS 198.6 NOB (non-friable-NY) ☐ NYS 198.8 SOF-V ☐ NIOSH 9002 (<1%)		TEM - Air ☐ 4-4.5hr TAT (AHERA only) ☒ AHERA 40 CFR, Part ☐ 763 NIOSH 7402 ☐ EPA Level II ☐ ISO 10312 TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (non-friable-NY) ☐ Chatfield SOP ☐ TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm ☐ Waste ☐ Drinking All Fiber Sizes ☐ Waste ☐ Drinking	
TEM - Dust ☐ Microvac - ASTM D 5755 ☐ Wipe - ASTM D6480 ☐ Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite ☐ PLM EPA 600/R-93/116 with milling prep (<1%) ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%) ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%) ☐ TEM Qualitative via Filtration Prep ☐ TEM Qualitative via Drop Mount Prep ☐ Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)	
☐ Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm	
Samplers Name: Brent Tripp		Samplers Signature: Brent Tripp	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
101	IN Ductwork Containment	1200	10/4/19 10:11 AM
102	IN Ductwork Containment	1200	10/4/19 10:11
103	IN Ductwork Containment	1200	10/4/19 10:11
104	IN Ductwork Containment	1200	10/4/19 10:11
105	IN Ductwork Containment	1200	10/4/19 10:11
Client Sample # (s): 101 THRU 105		Total # of Samples:	
Relinquished (Client): Brent Tripp		Date: 10/4/19	Time: 1:00 PM
Received (Lab): CM		Date: 10-7-19	Time: 9:00
Comments/Special Instructions:			

**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041929297

Customer ID: CLAG50

Customer PO:

Project ID:

Attention: Brent Tripp
Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Phone: (570) 586-9700**Fax:** (570) 586-6728**Received Date:** 10/07/2019 09:00 AM**Analysis Date:** 10/08/2019**Collected Date:** 10/04/2019**Project:** SSD.19806NEIS

**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by
EPA 40 CFR Part 763 Appendix A to Subpart E**

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm ²)	(S/cc)
101 041929297-0001	In Duct Work Containment	1200.00	0.0645	0	None Detected	0	0	0.0050	<16.00	<0.0050
102 041929297-0002	In Duct Work Containment	1200.00	0.0645	0	None Detected	0	0	0.0050	<16.00	<0.0050
103 041929297-0003	In Duct Work Containment	1200.00	0.0645	0	None Detected	0	0	0.0050	<16.00	<0.0050
104 041929297-0004	In Duct Work Containment	1200.00	0.0645	0	None Detected	0	0	0.0050	<16.00	<0.0050
105 041929297-0005	In Duct Work Containment	1200.00	0.0645	0	None Detected	0	0	0.0050	<16.00	<0.0050

Analyst(s)

Sandy Burany, Ph.D (5)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 10/08/2019 09:53 AM

Section 4
DAILY ACTIVITIES

Section 5
WASTE SHIPMENT RECORD

ASBESTOS ABATEMENT WASTE SHIPMENT RECORD

for

Scranton School District
425 North Washington Avenue
Scranton, Pennsylvania 18503

Project Location:

Northeast Scranton Intermediate
721 Adams Avenue
Scranton, PA 18510

TO BE SENT UPON RECEIPT FROM CONTRACTOR