

RESULTS OF AN ASBESTOS ABATEMENT  
MONITORING PROJECT

Project:

Pelham Memorial School

Prepared For:

SAU #28  
19 Haverhill Road, PO Box 510  
Windham, New Hampshire

Performed by:



**The Scott Lawson Group, Ltd.**

**Environmental, Health & Safety Consultants**

Post Office Box 3304  
Concord, New Hampshire  
(800) 645-7674 • fax (603) 228-8371  
[www.slgl.com](http://www.slgl.com)

SLGL File Number 12-1703

## EXECUTIVE SUMMARY

On November 6, November 23, December 8, 2012 and January 5, and January 25, 2013 an Asbestos Abatement Project was conducted by One Source Environmental at the Pelham Memorial School located in Pelham, New Hampshire. SAU #28 utilized The Scott Lawson Group, Ltd. (SLGL) for the performance of Industrial Hygiene and Project Monitoring services.

The Scope-of-Work (SOW) performed by SLGL during this project included:

1. Perform a limited inspection for Asbestos-Containing Building Materials (ACBM) from exterior facility components to be impacted during the facility's window replacement project.
2. Conducting an air quality survey to document the airborne fiber levels during abatement, inside and outside the work area.
3. Documentation of contractor compliance with State and Federal Asbestos regulations.
4. Preparation of a final report to document successful completion of the Asbestos Abatement Project.

Included in this report is a summary of the project activities, a description of the air monitoring methodology utilized by SLGL, analytical results for the air monitoring conducted during the project, and other project documentation.

Asbestos-Containing Materials (ACM) removed from the Pelham Memorial School included: window caulking and glazing in the cafeteria of the school. All of the ambient air samples collected upon completion of abatement activities were within Federal and State limits, allowing for safe re-occupancy of the areas.

## DISCUSSION

On November 6, November 23, December 8, 2012 and January 5, and January 25, 2013, an Asbestos Abatement Project was conducted at the Pelham Memorial School, in Pelham, New Hampshire. OneSource Environmental, was contracted by The Scott Lawson Group, Ltd. to conduct the Abatement project at the Pelham Memorial School. Portland Glass was contracted by SAU #28 to do the window replacement. SAU #28 utilized SLGL for the performance of IH and Project Monitoring services.

Prior to any work being done, a pre-construction meeting took place between SLGL, OneSource Environmental, and Portland Glass representatives to discuss general project description, contractor's work, sequence of events and to review drawings.

The abatement of approximately 35 windows, was performed to allow for safe replacement of new window units. OneSource Environmental utilized hand-held tools to remove the Asbestos-containing window components in compliance with the project abatement specification. OneSource, SLGL, and Portland Glass would coordinate how many windows were to be removed in each phase to allow Portland Glass to replace all windows by the end of the day so the building was not left open. Work was conducted from the exterior of the building. Barriers of 6mm polyethylene sheeting were put up to cover the interior side of the windows to ensure no debris was generated inside. A primary barrier of 6-mm polyethylene sheeting was placed on the ground surface directly below the work area on both the interior and exterior. All sides of the work area were posted with the required Asbestos danger placards. The ACM waste and debris was properly double-bagged, sealed and labeled, for disposal as Asbestos-containing waste. All work was performed in accordance with Federal and State Asbestos regulations.

Ambient air monitoring was conducted in and around the abatement work areas during all phases by SLGL on a daily basis, and all air samples were analyzed for total fibers by Phase Contrast Microscopy (PCM). After abatement was completed SLGL visually inspected all work areas to ensure all specified ACM was removed and work areas clean of debris. Personal air monitoring was also conducted weekly on A-Best employees, and all personal samples were analyzed for total fibers by PCM. Acceptable analytical results were less than 0.010 fibers per cubic centimeter (< 0.010 f/cc) as required by the United States Environmental Protection Agency (U.S. EPA), the State of New Hampshire, and the Construction Documents. Air monitoring was performed in accordance with Federal and State of New Hampshire regulations and the Construction Documents.

Upon completion of abatement activities in each work area, SLGL's on-site H&S Professional conducted a visual inspection and all areas passed. The analytical results for all air monitoring conducted during this project may be found in Appendix A of this report; SLGL daily logs are located in Appendix B; air monitoring methodology is in Appendix C.

## CONCLUSION

The Asbestos Abatement Project conducted at the Pelham Memorial School located in Pelham, New Hampshire, has been completed. The project was conducted from On November 6, November 23, December 8, 2012 and January 5, and January 25, 2013. Abatement operations were conducted in accordance with Federal and State Asbestos regulations, and the site-specific Project Specification. The purpose of this project was to remove Asbestos-containing window caulking and glazing from window units to be impacted by scheduled renovations.

In compliance with State of New Hampshire, Department of Environmental Services, no air clearance samples were required due to the work being performed on the exterior of the school. However, SLGL collected ambient air monitoring during all phases of work to document airborne fiber levels with analytical results being below regulatory requirements.

OneSource Environmental's project submittals including but not limited to Waste Shipment records and personal air monitoring shall be forwarded upon receipt by SLGL. Please include these items with this report for your record.

## RECOMMENDATION

As ACM may remain in the facility, the requirements of OSHA standard 29 CFR § 1926.1101, 29 CFR § 1910.1001 and 29 CFR § 1910.1200, should be reviewed, with regard to notifying building occupants and the potential hazards of working around ACM.

We trust that you will find everything in order; however, should you have any questions or comments, please feel free to contact me at your earliest convenience.

Sincerely,

The Scott Lawson Group, Ltd.

Stephen L. Zabel  
Senior Safety and Health Professional

Enclosures

#### WARRANTY

The conclusions and recommendations contained in this report are based on the information available to SLGL as of January 25, 2013. SLGL provides no warranties on information provided by third parties and contained herein. Data compiled were in accordance with SLGL's approved scope of services and should not be construed beyond their limitations. Any interpretations or use of this report other than those expressed herein are not warranted. The use, partial use, or duplication of this report without the expressed written consent of The Scott Lawson Group, Ltd., is strictly prohibited.

## METHODOLOGY

### Quality Assurance

SLGL provided an on-site H&S Professional throughout the duration of the abatement project. In addition to conducting an air monitoring survey, responsibilities of the H&S Professional included maintaining quality assurance, and ensuring compliance with State of New Hampshire and Federal requirements for abating Asbestos. This was accomplished by air monitoring; daily project review; on-site surveillance of abatement and decontamination procedures; and overseeing the implementation of necessary corrective measures.

### Air Monitoring

Ambient air samples were collected on 0.8-micron pore size, 25-mm diameter, mixed-cellulose ester membrane filters in the open-faced orientation. All of the pumps utilized during this survey were calibrated before and after the project using primary standard methods; all pumps were also calibrated daily after each sampling period using secondary standard methods. All field rotometers (secondary standard calibration) were calibrated using primary standard methods. Based on this equipment calibration, a correlation graph was prepared and all field calculations were determined using the graphed correlation curve.

After collecting, sealing, and labeling the area samples, they were brought to SLGL's laboratory for analysis. The samples were analyzed in accordance with the National Institute for Occupational Safety and Health (NIOSH) Analytical Method 7400, which utilizes Phase Contrast Microscopy (PCM). SLGL is an American Industrial Hygiene Association-accredited laboratory (AIHA No. 100088).

It should be noted that the NIOSH Analytical Method 7400 procedure does not differentiate between Asbestos and non-Asbestos fibers. While it is the accepted analytical method for air samples collected on this type of project, the results provided are a "total" fiber count as opposed to being specific for Asbestos.

**APPENDIX A**

**ANALYTICAL RESULTS**

**Air Monitoring**

## APPENDIX B

### SLGL's DAILY JOB LOGS



## APPENDIX C

### AIR MONITORING METHODOLOGY

# SERVICE TRANSPORT GROUP, INC.

272089

58 PYLES LANE, NEW CASTLE, DE 19720

PHONE: (877) 999-9559

**Nº 403895**

## WASTE SHIPMENT RECORD

S.T.G. # 46088

GENERATOR	1. Material Origin Site PELHAM MEMORIAL SCHOOL 59 MARSH RD PELHAM, NH		Generator: Name/Address PELHAM SCHOOL DISTRICT 19 HAVERHILL RD WINDHAM, NH 03087		Generator: Phone # 603-425-1976
	2. Removal Contractor: Name/Address ONE SOURCE ENVIRONMENTAL, LLC 112 RANGE RD WINDHAM, NH 03087				Contractor: Phone # 888-989-6637
	3. Responsible Agency: Name/Address US EPA CONGRESS ST BOSTON, MA		4. US DOT Class - FRIABLE ASBESTOS ONLY  NA 2212, RQ ASBESTOS, 9, PG III		
	5. Description of Materials Specify Friable or Non-Friable		Containers No.	Type	Total Quantity
	IF Friable (enter required information)				
	IF Non-Friable (check one): <input type="checkbox"/> Category I <input type="checkbox"/> Category II		9 bundles 5 bags		14
	6. Special Handling Instructions 24-hour emergency spill response no. 800-424-9300				
7. Generator Certification: <small>This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.</small>					
Printed/Typed Name & Title <i>Jose Aliroa</i>		Signature <i>Jose Aliroa</i>		Date 1-25-13	
TRANSPORTER	8. Transporter 1 (Acknowledgement of Receipt of Materials) <span style="float: right;">If blank, see Transporter 2 or 3 below.</span>				
	Company Name & Address <i>see 10</i>		Signature: <i>[Signature]</i>		Telephone No.
			Printed Name: <i>Bob Boddie</i>		Date: <i>1-31-13</i>
			Title: <i>DRIVER</i>		
9. Transporter 2 (Acknowledgement of Receipt of Materials) <span style="float: right;">If Transporter 1 &amp; 2 are blank, Transporter 3 serves as sole transporter.</span>					
Company Name & Address		Signature: _____		Telephone No.	
		Printed Name: _____		Date:	
		Title: _____			
DISPOSAL SITE	10. Transporter 3 (Acknowledgement of Receipt of Materials)				
	Company Name & Address Service Transport Group, Inc. 58 Pyles Lane New Castle, DE 19720		Signature: <i>[Signature]</i>		Telephone No. 877-999-9559
			Printed Name: <i>Kevinie</i>		Date: <i>03/01/13</i>
		Title: <i>DRIVER</i>			
11. Discrepancy Indication Space:					
12. Waste Disposal Site Owner or Operator's Certification (Receipt of above Waste, except as noted in 11)					
Waste Disposal Site (Check One) <span style="float: right;">STG USE ONLY</span>					
Sanitary Landfill <input type="checkbox"/> 901 Tyrol Blvd. Belle Vernon, PA 15012 724-929-7694 Ext. 14 Permit No. 100277		Minerva Landfill <input checked="" type="checkbox"/> 8955 Minerva Rd. Waynesburg, OH 44688 330-866-3435 Permit No. P0104984		Signature: <i>[Signature]</i>	
				Printed Name: <i>Sharon Dunne</i>	
				Date: <i>3/2/13</i>	
				Title: _____	



Commercial/Industrial  
ASBESTOS REMOVAL

24 Keowayln Drive  
Salem, NH 03079

7/26/2011

Pelham School District  
19 Haverhill Rd  
Windham, NH 03870

Att: Allan Miller

**ASBESTOS ABATEMENT PROPOSAL**

A-Best Abatement, Inc., submits this proposal for the removal and disposal of the asbestos containingo materials located in the Pelham Middle School, Pelham, NH.o

The undersigned agrees to furnish all materials, to perform all labor, to furnish all equipment, to complete in a competent and workmanlike manner, the contracted work, in strict accordance with all EPA, OSHA, local, and state regulations, to complete the following scope of work.

**SCOPE OF WORK**

The scope of the work will include the removal of all asbestos tile and mastic located in the classroom (estimated at 20-30 sq ft) and 18-20 fittings located in the boys lockert room per the instructions of the Scott Lawson Group. Work will be completed in two containment areas.

**SPECIAL CONDITIONS**

- Owner to provide power and water.o
- Owner to pay for air testing.o

**CLOSE OUT DOCUMENTATION**

Completion of the specified work, documentation for the completed project will be submitted to the owner. This documentation is a crucial element for the assurance against any legal entanglement or litigation. This comprehensive package is a standard service provided by A-Best Abatement, Inc., that assures the total completion of the contracted work.

**PRICE**

The price for the completion of the above work including all labor, disposal, materials, transportation, equipment, notification fccs, and insurance's will be: **\$ 1,100.00**

ADD REST of School  
8900.00