

EXECUTIVE SUMMARY

Alexander McClure Elementary School Asbestos Project Inspection SDP Control No. 2020738001 Synertech Project No. 010-4541

This report outlines the Asbestos Project Inspection for the asbestos abatement performed at the Alexander McClure Elementary School located at 600 West Hunting Park Avenue, Philadelphia, Pennsylvania. The asbestos abatement was performed by Pepper Environmental Services, Incorporated, City of Philadelphia License #ACL-204.

The asbestos abatement commenced on Thursday January 2nd, 2020 and was completed on Sunday January 12th, 2020. This abatement was performed to remove approximately 1,100 linear feet (LF) of Asbestos-Containing Pipe Insulation (ACPI) in hallways and stairwells throughout the building, 278 LF of ACPI in Pre-K Room 11, and incidental encapsulation of ACPI in Classrooms 210, 108, 109, 110, Main Office, and the Office adjacent to the Copy Room. Removal of 715 square feet (SF) of 9" x 9" vinyl asbestos floor tile (VAT) and 810 SF of non-asbestos vinyl composition tile (VCT) in the Modular Building is underway and is expected to be completed this week. Removal of ACPI in the gym will tentatively begin the week of January 13th, 2020.

The following table indicates the location, type and quantity of asbestos containing material and abatement method performed, and the geometric mean for TEM clearance air sampling results:

Location	Work Performed	Sample Results			
		1 st Set	Re-test	1 st Set	Re-test
Classroom 210	Encapsulation of approx. 1 LF ACPI	<0.0041		Pass	
Hallway from 201 to 205	Removal of 84 LF ACPI	<0.0041		Pass	
Hallway from 208 to 211	Removal of 48 LF ACPI	0.0041		Pass	
Marshall Street Stairwell (2 nd -3 rd Floor Landing)	Removal of 50 LF ACPI	<0.0041		Pass	
Marshall Street Stairwell (1 st -2 nd Floor Landing)	Removal of 50 LF ACPI	<0.0041		Pass	
Marshall Street Entrance Vestibule	Removal of 44 LF ACPI	0.0041		Pass	
6 th Street Stairwell (1 st -2 nd Floor Landing)	Removal of 44 LF ACPI	<0.0041		Pass	
6 th Street Entrance Vestibule (Right)	Removal of 25 LF ACPI	0.0041		Pass	
6 th Street Entrance Vestibule (Left)	Removal of 25 LF ACPI	1 st Set	Re-test	1 st Set	Re-test
		0.00602	<0.0041	Fail	Pass
Playground Stairwell (1 st -2 nd Floor Landing)	Removal of 44 LF ACPI	<0.0041		Pass	

Location	Work Performed	Sample Results	Location
Playground Entrance Vestibule	Removal of 34 LF ACPI	0.0041	Pass
Classroom 108	Encapsulation of approx. 1 LF ACPI	<0.0041	Pass
Classroom 109	Encapsulation of approx. 1 LF ACPI	<0.0041	Pass
Classroom 110	Encapsulation of approx. 1 LF ACPI	<0.0041	Pass
Main Office	Encapsulation of approx. 1 LF ACPI	<0.0041	Pass
Office adjacent to Copy Room	Encapsulation of approx. 1 LF ACPI	<0.0041	Pass
Hallway outside Cafeteria	Removal of 84 LF ACPI	0.0041	Pass
Hallway between Classrooms 108 and 111	Removal of 48 LF ACPI	0.0041	Pass
Basement Hallway outside Gym/Hallway outside Boiler Room	Removal of 350 LF ACPI	0.0041	Pass
Basement Hallway outside Classroom 6 (Art Room)	Removal of 170 LF ACPI	0.0041	Pass
Pre-K Classroom 011	Removal of 278 LF ACPI	0.0041	Pass

Final air sampling data and visual inspection observations indicate that cleaning following completion of the asbestos abatement conducted throughout all of the abatement work areas listed above of the Alexander McClure School was performed and cleaned to stringent acceptable regulatory post-abatement levels.

All preliminary, and removal phase air samples were analyzed via phase contrast microscopy (PCM), NIOSH method 7400A. The EPA and the City of Philadelphia Air Management Services Asbestos Control Regulations accepted level of airborne fiber concentration used to define “clean versus contaminated” is 0.010 fibers/cm³ or below via PCM. All clearance phase air samples were analyzed via Transmission Electron Microscopy (TEM) performed by EPA 40 CFR Part 763 Appendix A to Subpart E. The EPA and the City of Philadelphia Air Management Services Asbestos Control Regulations accepted level of airborne fiber concentration used to define “clean versus contaminated” is 0.00554 fibers/cm³ or below via TEM for post-abatement clearance.

Preliminary and removal phase PCM air samples were collected throughout the project and ranged from <0.001 fibers/cm³ to 0.009 fibers/cm³ (via PCM analysis). All clearance phase TEM air samples collected throughout the project were below 0.0054 fibers/cm³ and ranged from <0.0041 fibers/cm³ to 0.0041 fibers/cm³. All outside work area and diagnostic TEM samples collected were below the action level of 0.01 fibers/cm³ and ranged from <0.0041 to 0.0082. Any outside work areas with fiber readings of 0.0082 were wet-wiped, HEPA vacuumed, and retested, and ranged from <0.0041 fibers/cm³ to 0.0041 fibers/cm³. All clearance testing was performed in conjunction with the Philadelphia Federation of Teachers Health & Welfare Fund’s environmental consultant.

Thank you for allowing *Synertech Incorporated* to continue to provide the School District of Philadelphia with our professional environmental services. If you have any questions please do not hesitate to contact the office at 215-755-2305.

Synertech Incorporated



Ryan Hutsell