



**AHERA Consultants**  
INCORPORATED

# AHERA

## 6 Month Periodic Surveillance

**PREPARED FOR:**

Marlboro Township Public Schools  
1980 Township Drive  
Marlboro, NJ 07746

**BUILDING INSPECTED:**

Marlboro Elementary School  
100 School Road West  
Marlboro, NJ 07746

**INSPECTION DATE:**

**June 21, 2018**



## **EXECUTIVE SUMMARY**

This physical inspection of the Marlboro Elementary School was conducted as part of the 6 month surveillance as required by the Asbestos Hazard Emergency Response Act (AHERA) program for the Marlboro Township Public Schools in Marlboro, New Jersey.

AHERA Consultants, Inc. has provided a limited inspection of all suspected and assumed asbestos-containing building material's (ACBM) identified in previous AHERA inspection's and management plans and of any new materials identified by the building personnel. AHERA has not conducted destructive sampling to determine the existence of any asbestos materials that are not visible. If renovations are planned, AHERA should be contacted to determine if any asbestos materials will be affected. If during the course of renovation, and suspect materials are encountered, all construction activities should cease and an accredited inspector called to survey and sample the area.

The existence of asbestos within buildings does not in itself warrant corrective action. The health issues associated with asbestos are respiratory diseases resulting from inhalation of asbestos fibers, over a period of time. For this reason, asbestos materials identified are re-evaluated on the basis of their ability to release asbestos fibers. Friability, is a term, which relates to a materials ability to be crumbled. Friability is a primary measure of the potential of asbestos becoming airborne. Accessibility by occupants, and other potential sources of disturbance, which relates to the possible release of asbestos are assessed.

As part of a 6 month surveillance report, assessments are made of the asbestos containing materials (ACBM) that have been identified in the initial AHERA survey. The ACBM is visually examined of deterioration and/or change in friability. Pipe insulation, for example is examined for damage caused by water, or damage caused by new construction. Floor tiles are examined for cracks, loss of adhesion, or deep scratches. This type of examination process in various forms is carried out on all the ACBM as part of the re-inspection.

## **INSPECTION PROCEDURE**

AHERA Consultants, Inc., represented by **Mr. Joseph Capone** performed the 6 month surveillance work as required by Asbestos Hazard Emergency Response Act. Working with all previous asbestos reports and the building custodians, the inspectors determined what areas have been modified and which areas have been abated and/or altered. The inspection of all asbestos containing building material (ACBM) identified in the initial AHERA survey report and all new suspect materials.

If it is determined that new materials have been introduced to the buildings environment, it is the responsibility of the designated person to make sure that those materials are "asbestos free". By either keeping MSDS sheets on the components or having the contractor/architect sign off that no asbestos materials were involved in the modifications.

The inspectors perform a thorough inspection of all areas identified as containing ACBM and visually inspect these materials for changes in physical condition and friability. This information is then recorded in a report, which becomes a supplemental part of the AHERA management plan.

## **Regulatory Changes**

AHERA assumes that additional bulk material testing must be conducted in order to bring the list of asbestos containing materials up to current regulatory guidelines. On May 15, 2006 under an emergency adoption by the State of New Jersey, bulk samples analyzed under Polarized Light Microscopy, which has inherent limitations with regard to matrix obscuration, resolution of fine fibers and inaccurate quantitation at low percents (<1%) is no longer enough to rule out certain materials. The newer EPA/600/R-931/116 methodology utilizing Transmission Electron Microscopy methods have been adopted and are practiced by AHERA Consultants on all bulk sample collection. Therefore, materials that may appear negative in the previous reports prepared may not be sufficient to rule out asbestos content.

# AHERA – 6 MONTH SURVEILLANCE



<b>Facility Inspected:</b>	<b>School District:</b>	<b>Date of Inspection:</b>
Marlboro Elementary School 100 School Road West, Marlboro	Marlboro Township Public Schools	June 21, 2018
<b>Inspector Assessor:</b>	<b>Certification Number:</b>	
Joseph Capone	NJ – NAETI 51130	

Room ID#/ Functional Space	Homogeneous Area #	Location	Material Description	Quantity: (Square/ Linear Feet)	Material Type: Surfacing (S) Thermal (T) Miscellaneous (M)	Description: Friable (F) Non-friable (NF)	Material Sampled Y - Yes N - Assumed	Condition Last Inspection		Changes / Conditions This Inspection (Notes)
								No Damage (ND) Damaged (D) Significantly Damaged (SD)		No Damage (ND) Damaged (D) Significantly Damaged (SD)
	A0401S	Main Entrance Foyer (above drop ceiling)	Pipe Fitting Insulation	8 Fittings	T	F		Abated – N/A		
	A0401S	Nurse’s Office Hall (above drop ceiling)	Pipe Fitting Insulation	4 Fittings	T	F		Not Found		Not Found – N/A
	A0401S	Room 1 (pipe chase)	Pipe Fitting Insulation	4 Fittings	T	F		No Access		ND – Continue O&M
	A0401S	Room 2 (pipe chase)	Pipe Fitting Insulation	5 Fittings	T	F		No Access		ND – Continue O&M
	A0401S	Room 3 (pipe chase)	Pipe Fitting Insulation	4 Fittings	T	F		No Access		ND – Continue O&M
	A0401S	Room 4 Hall (above drop ceiling)	Pipe Fitting Insulation	7 Fittings	T	F		Zeston Fittings Found		Continue O&M
	A0401S	Room 4 (pipe chase)	Pipe Fitting Insulation	4 Fittings	T	F		No Access		No Access – Continue O&M
	A0401S	Room 5 (pipe chase)	Pipe Fitting Insulation	9 Fittings	T	F		No Access		No Access – Continue O&M
	A0401S	Room 6 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		Not Found		Not Found – N/A
	A0401S	Room 7 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		Appears to be Abated – N/A		
	A0401S	Custodial Closet	Pipe Fitting Insulation	11 Fittings	T	F		ND		ND – Continue O&M
	A0401S	Janitor’s Closet	Pipe Fitting Insulation	10 Fittings	T	F		ND		ND – Continue O&M
	A0401S	Room 8 & 9 Hall (above drop ceiling)	Pipe Fitting Insulation	12 Fittings	T	F		D – 1% Damage/Debris		No Access – Repair Advised Last Inspection
	A0401S	Room 8 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		No Access		ND – Continue O&M
	A0401S	Room 8 Exit Hall (above drop ceiling)	Pipe Fitting Insulation	2 Fittings	T	F		Not Found		Not Found – N/A

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								Surfacing (S)	Friable (F)	Non-friable (NF)	No Damage (ND)	Damaged (D)	Significantly Damaged (SD)
	A0401S	Room 9 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			No Access			ND – Continue O&M	
	A0401S	Room 10 Hall (above drop ceiling)	Pipe Fitting Insulation	4 Fittings	T	F			No Access			ND – Continue O&M	
	A0401S	Room 10 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Not Found			Not Found – N/A	
	A0401S	Room 11 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Not Found			Not Found – N/A	
	A0401S	Room 12 Hall (above drop ceiling)	Pipe Fitting Insulation	2 Fittings	T	F			No Access			ND – Continue O&M	
	A0401S	Room 12 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Not Found			Not Found – N/A	
	A0401S	Room 13 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Not Found – Fiberglass Present			Not Found – N/A	
	A0401S	Room 14 Hall (above drop ceiling)	Pipe Fitting Insulation	2 Fittings	T	F			D – Damage/Debris			No Access – Repair Advised Last Inspection	
	A0401S	Room 14 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			No Access			No Access – Continue O&M	
	A0401S	Room 15 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Not Found			Not Found – N/A	
	A0401S	Room 16 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Not Found – Fiberglass Present			Not Found – N/A	
	A0401S	Room 17 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Appears to be Abated – N/A				
	A0401S	Room 18 Hall (above drop ceiling)	Pipe Fitting Insulation	6 Fittings	T	F			No Access			ND – Continue O&M	
	A0401S	Room 18 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F			Appears to be Abated – N/A				
	A0401S	Room 19 Inter. Hall (above drop ceiling)	Pipe Fitting Insulation	3 Fittings	T	F			No Access			No Access – Continue O&M	
	A0401S	Room 19 (pipe chase)	Pipe Fitting Insulation	2 Fittings	T	F			No Access			No Access – Continue O&M	

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								No Damage (ND)	Damaged (D)	Significantly Damaged (SD)	No Damage (ND)	Damaged (D)
	A0401S	Boy's Bathroom Hall (above drop ceiling)	Pipe Fitting Insulation	4 Fittings	T	F		No Access			ND – Continue O&M	
	A0401S	Girl's Bathroom Hall (above drop ceiling)	Pipe Fitting Insulation	4 Fittings	T	F		No Access			ND – Continue O&M	
	A0401S	Room 20 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		Appears to be Abated - Zeston Fittings Found – N/A				
	A0401S	Room 27 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		Appears to be Abated – N/A				
	A0401S	Room 28 Hall (above drop ceiling)	Pipe Fitting Insulation	2 Fittings	T	F		No Access			No Access – Continue O&M	
	A0401S	Room 28 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		No Pipes Found			No Pipes Found – N/A	
	A0401S	Room 29 Hall (above drop ceiling)	Pipe Fitting Insulation	9 Fittings	T	F		D – 1 Fitting Needs Repair – Remaining are Zeston			No Access – Repair Advised Last Inspection	
	A0401S	Room 29 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		No Access			No Access – Continue O&M	
	A0401S	Room 30 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		8 Fittings in Closet			ND – Continue O&M	
	A0401S	Room 32 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		No Access			No Access – Continue O&M	
	A0401S	Room 31 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		No Pipes Found			No Pipes Found – N/A	
	A0401S	Room 34 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		No Access			No Access – Continue O&M	
	A0401S	Room 33 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		No Pipes Found			No Pipes Found – N/A	
	A0401S	Room 35 (pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		Appears to be Abated – N/A				
	A0401S	Room 35 Hall (above drop ceiling)	Pipe Fitting Insulation	2 Fittings	T	F		No Access			No Access – Continue O&M	
	A0401S	Room 35 Exit Hall (above drop ceiling)	Pipe Fitting Insulation	7 Fittings	T	F		No Access			No Access – Continue O&M	

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								No Damage (ND) Damaged (D) Significantly Damaged (SD)		
	0412 A	Yard Storage Room	Fire Door	1 Door	M	NF		D – 1 SF		D – Repair
	A0401S	Utility Area Door Hall (above drop ceiling)	Pipe Fitting Insulation	6 Fittings	T	F		No Access		ND – Continue O&M
	A0401S	Paper Storage Rm Hall (above drop ceiling)	Pipe Fitting Insulation	5 Fittings	T	F		No Access		ND – Continue O&M
	A0401S	Faculty Room Hall (above drop ceiling)	Pipe Fitting Insulation	1 Fitting	T	F		No Access		ND – Continue O&M
	A0401S	Room 36 Inter. Hall (above drop ceiling)	Pipe Fitting Insulation	2 Fittings	T	F		No Access		ND – Continue O&M
	A0401S	Room 40 Storage Rm	Pipe Fitting Insulation	5 Fittings	T	F		ND		Nd – Continue O&M
	A0401S	Storage Room Hall (above drop ceiling)	Pipe Fitting Insulation	8 Fittings	T	F		No Access		ND – Continue O&M
	A0401S	Stage (right)	Pipe Fitting Insulation	2 Fittings	T	F		D – 1 Fitting 1 Fitting Appears Abated – N/A		D – 1 Fitting – Needs O&M
	A0401S	Stage (left)	Pipe Fitting Insulation	8 Fittings	T	F		D – 1 Fitting		D – Wrap & Cure Needed
		Stage Right & Left	9 x 9 Tan Floor Tile		M	F		Minor Damage		Minor Damage – Continue O&M
	0412 A	Stage	Fire Door	3 Doors	M	NF		ND		ND – Continue O&M
	0413 A	Stage	Stage Light Wire Insulation	14 Bunches	M	NF		ND		ND – Continue O&M
	1000 A	Stage	Vibration Damper	3 SF	M	NF		ND – Assumed this Inspection		ND – Continue O&M - Assumed this Inspection
	0404 S	Shower Area	Plaster Ceiling	100 SF	S	F		ND		ND – Continue O&M
	0407 S	End of Hall (above ceiling)	Ceiling Cementitious Fireproofing	120 SF	S	F		No Access		ND – Continue O&M

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	A0401S	Incinerator Room	Pipe Fitting Insulation	15 Fittings	T	F		D – 6%			D – Wrap & Cure Needed
	0412 A	Incinerator Room	Fire Door	1 Door	M	NF		ND			ND – Continue O&M
	A0409S	Boiler Room	Pipe Fitting Insulation	45 Fittings	T	F		D – 6 Fittings			D – Wrap & Cure Needed
	0412 A	Boiler Room	Fire Door	2 Doors	M	NF		D – 1 SF			D – Repair
	0403 S	Mechanical Areas	Stucco Ceiling White	2800 SF	S	F		ND			ND – Continue O&M
	0408 S	All Classrooms	Vinyl Floor Tile	32,000 SF	M	NF		ND			ND – Continue O&M