



# AHERA

## 6 Month Periodic Surveillance

**PREPARED FOR:**

Marlboro Township Public Schools  
1980 Township Drive  
Marlboro, NJ 07746

**BUILDING INSPECTED:**

Defino Central Elementary School  
175 Route 79  
Marlboro, NJ 07746

**INSPECTION DATE:**

**June 21, 2018**



## **EXECUTIVE SUMMARY**

This physical inspection of the Defino Central 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



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Defino Central Elementary School 175 Route 79, 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 No Damage (ND) Damaged (D) Significantly Damaged (SD)	Changes / Conditions This Inspection (Notes)
									No Damage (ND) Damaged (D) Significantly Damaged (SD)
	0111 S	Main Entrance Foyer (above drop ceiling)	Pipe Insulation	80 LF	T	F		No Access	ND – Continue O&M
	0112 S	Main Entrance Foyer (above drop ceiling)	Pipe Fitting Insulation	20 Fittings	T	F		No Access	ND – Continue O&M
	0111 S	1 <sup>st</sup> Wing Hall (above drop ceiling)	Pipe Insulation	390 LF	T	F		No Access – (Metal Cover)	ND – Continue O&M
	0112 S	1 <sup>st</sup> Wing Hall (above drop ceiling)	Pipe Fitting Insulation	50 Fittings	T	F		No Access	ND – Continue O&M
	0111 S	Boy’s Bathroom (pipe chase)	Pipe Insulation	24 LF	T	F		Inaccessible – Above Spline	Inaccessible – Above Spline – Continue O&M
	0112 S	Boy’s Bathroom (pipe chase)	Pipe Fitting Insulation	2 Fittings	T	F		Inaccessible – Above Spline	Inaccessible – Above Spline – Continue O&M
	0104 S	1 <sup>st</sup> Wing Boy’s Bathroom	Trowled-On Plaster Walls (Stucco)		S	F		ND	ND – Continue O&M
	0111 S	Girl’s Bathroom (pipe chase)	Pipe Insulation	24 LF	T	F		Inaccessible – Above Spline	Inaccessible – Above Spline – Continue O&M
	0112 S	Girl’s Bathroom (pipe chase)	Pipe Fitting Insulation	2 Fittings	T	F		Inaccessible – Above Spline	Inaccessible – Above Spline – Continue O&M
	0112 S	Girl’s Bathroom Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	8 Fittings	T	F		No Access	ND – Continue O&M
	0104 S	1 <sup>st</sup> Wing Girl’s Bathroom	Trowled-On Plaster Walls (Stucco)		S	F		ND	ND – Continue O&M
	0103 S	First Wing	Trowled-On Plaster Walls		S	F		ND	ND – Continue O&M
	0111 S	Nurse’s Office (above drop ceiling)	Pipe Insulation	60 LF	T	F		Inaccessible – Above Spline	Inaccessible – Above Spline – Continue O&M
	0111 S	Room 10 (above drop ceiling)	Pipe Insulation	40 LF	T	F		Inaccessible – Above Spline	Inaccessible – Above Spline – Continue O&M

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								No Damage (ND) Damaged (D) Significantly Damaged (SD)		No Damage (ND) Damaged (D) Significantly Damaged (SD)	
	0112 S	Child Study Team Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	8 Fittings	T	F		No Access		No Access – Continue O&M	
	0112 S	CST Hall (above drop before addition)	Pipe Fitting Insulation on fiberglass lines	14 Fittings	T	F		No Access		ND – Continue O&M	
	0111 S	Room 11 (above drop ceiling)	Pipe Insulation	40 LF	T	F		Inaccessible – Above Spline		Inaccessible – Above Spline – Continue O&M	
	0112 S	Room 11 (above drop ceiling)	Pipe Fitting Insulation	5 Fittings	T	F		Inaccessible – Above Spline		Inaccessible – Above Spline – Continue O&M	
	0112 S	Room 2 Hall (above drop ceiling)	Pipe Fitting Insulation on fiberglass lines	3 Fittings	T	F		No Access		ND – Continue O&M	
	0112 S	Room 3 Hall (above drop ceiling)	Pipe Fitting Insulation on fiberglass lines	10 Fittings	T	F		No Access		ND – Continue O&M	
	0112 S	Room 4 Hall (above drop ceiling)	Pipe Fitting Insulation on fiberglass lines	10 Fittings	T	F		No Access		ND – Continue O&M	
	0102 S	Boy's Gym Office	9 x 9 Grey Vinyl Floor Tiles	80 SF	M	NF		ND		ND – Continue O&M	
	0112 S	Boy's Gym Office	Pipe Fitting Insulation on fiberglass lines	10 Fittings	T	F		4 Fittings Repaired – Sealed with Foil Tape		Continue O&M	
	0119 S	Locker Rooms	Trowled-On Ceiling Plaster		S	F		ND		ND – Continue O&M	
	0119 S	Shower Room (Boys)	Trowled-On Ceiling Plaster	100 SF	S	F		ND		ND – Continue O&M	
	0119 S	Shower Room (Girls)	Trowled-On Ceiling Plaster	100 SF	S	F		ND		ND – Continue O&M	
	0112 S	Shower Room (Boys)	Pipe Fitting Insulation	10 Fittings	T	F		ND		ND – Continue O&M	
	0112 S	Shower Room (Girls)	Pipe Fitting Insulation	18 Fittings	T	F		ND		ND – Continue O&M	

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	0111 S	Stage (above)	Pipe Insulation	42 LF	T	F		ND		ND – Continue O&M
	0112 S	Stage (above)	Pipe Fitting Insulation	24 Fittings	T	F		ND		ND – Continue O&M
	0111 S	Stage (below)	Pipe Insulation	260 LF	T	F		ND		ND – Continue O&M
	0112 S	Stage (below)	Pipe Fitting Insulation	24 Fittings	T	F		Limited Access		Limited Access – Continue O&M
	0121	Stage	Stage Light Wire Insulation	14 Bunches	M	NF		ND		ND – Continue O&M
	0117 S	Stage	Trowled-On Wall Plaster		S	F		ND		ND – Continue O&M
	0102 S	Stage Wing Stairwell	9 x 9 Grey Vinyl Floor Tiles	50 SF	M	NF		ND		ND – Continue O&M
	0102 S	Loading Dock Supplies Storage	9 x 9 Tan Vinyl Floor Tiles	80 SF	M	NF		ND		ND – Continue O&M
	0102 S	Loading Dock Foyer/Gym Storage	9 x 9 Grey Vinyl Floor Tiles	200 SF	M	NF		ND		ND – Continue O&M
	0102 S	Loading Dock Paper Storage	9 x 9 Tan Vinyl Floor Tiles	200 SF	M	NF		Terrazzo Floor Found		Continue O&M
	0102 S	Loading Dock Book Storage	9 x 9 Tan Vinyl Floor Tiles	200 SF	M	NF		ND		ND – Continue O&M
	0102 S	Gym Exit Foyer	9 x 9 Grey Vinyl Floor Tiles	150 SF	M	NF		D – 2 %		D – Repair
	0111 S	Head Custodian Room	Pipe Insulation	50 LF	T	F		ND		ND – Continue O&M
	0112 S	Head Custodian Room	Pipe Fitting Insulation	6 Fittings	T	F		Zeston Fittings Found		Continue O&M

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								No Damage (ND)	Damaged (D)	Significantly Damaged (SD)	No Damage (ND)	Damaged (D)	Significantly Damaged (SD)
	0111 S	Janitor's Closet	Pipe Insulation	12 LF	T	F		1 % Open Ends Repaired – Sealed with Foil Tape			Continue O&M		
	0112 S	Janitor's Closet	Pipe Fitting Insulation	2 Fittings	T	F		ND			ND – Continue O&M		
	0111 S	Men Faculty Bathroom (above & pipe chase)	Pipe Insulation	8 LF	T	F		ND			ND – Continue O&M		
	0112 S	Men Faculty Bathroom (above & pipe chase)	Pipe Fitting Insulation	1 Fitting	T	F		ND			ND – Continue O&M		
	0111 S	Women Faculty Bathroom (above & pipe case)	Pipe Insulation	15 LF	T	F		ND			ND – Continue O&M		
	0112 S	Women Faculty Bathroom (above & pipe case)	Pipe Fitting Insulation	3 Fittings	T	F		ND			ND – Continue O&M		
	0111 S	Boiler to Rm 13 Hall (above drop ceiling)	Pipe Insulation	240 LF	T	F		ND			ND – Continue O&M		
	0112 S	Boiler to Rm 13 Hall (above drop ceiling)	Pipe Fitting Insulation	10 Fittings	T	F		Zeston Fittings Found			Continue O&M		
	0123 A	Boiler Room	Fire Door	1 Door	M	NF		ND			ND – Continue O&M		
	0112 S	Incinerator Room	Pipe Fitting Insulation on fiberglass lines	36 Fittings	T	F		Appears to be Abated – N/A					
	0116 S	Incinerator Room	Trowled-On Ceiling Plaster		S	F		Appears to be Abated – N/A					
	0123 A	Incinerator Room	Fire Door	1 Door	M	NF		Appears to be Abated – N/A					
	0112 S	Intersecting Hall to Cafeteria (above drop)	Pipe Fitting Insulation on fiberglass lines	10 Fittings	T	F		No Access			No Access – Continue O&M		

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	0112 S	Short Hall to Cafeteria (above drop)	Pipe Fitting Insulation on fiberglass lines	1 Fitting	T	F			No Access			No Access – Continue O&M	
	0112 S	Intersecting Hall to 2 <sup>nd</sup> Wing (above drop)	Pipe Fitting Insulation on fiberglass lines	20 Fittings	T	F			No Access			No Access – Continue O&M	
	0112 S	2 <sup>nd</sup> Wing Janitor's Closet	Pipe Fitting Insulation on fiberglass lines	2 Fittings	T	F			ND			ND – Continue O&M	
	0112 S	Hall to 2 <sup>nd</sup> Wing Girl's Bathroom (above drop)	Pipe Fitting Insulation on fiberglass lines	6 Fittings	T	F			No Access			ND – Continue O&M	
	0108 S	Second Wing	5/8" Sheetrock		M	F			ND			ND – Continue O&M	
	0103 S	Second Wing	Trowled-On Plaster Walls		S	F			ND			ND – Continue O&M	
	0112 S	Rooms 16 & 17 Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	1 Fitting	T	F			No Access			ND – Continue O&M	
	0112 S	Room 16 (pipe chase)	Pipe Fitting Insulation on fiberglass lines	1 Fitting	T	F			No Access into Chase			No Access into Chase – Continue O&M	
	0112 S	Room 17 (pipe chase)	Pipe Fitting Insulation on fiberglass lines	1 Fitting	T	F			No Access into Chase			No Access into Chase – Continue O&M	
	0112 S	Room 18 Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	8 Fittings	T	F			No Access			No Access – Continue O&M	
	0112 S	Room 19 (pipe chase)	Pipe Fitting Insulation on fiberglass lines	1 Fitting	T	F			No Access			No Access – Continue O&M	
	0112 S	Room 20 Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	14 Fittings	T	F			No Access			No Access – Continue O&M	
	0112 S	Room 21 Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	2 Fittings	T	F			No Access			No Access – Continue O&M	
	0112 S	Room 21 (pipe chase)	Pipe Fitting Insulation on fiberglass lines	4 Fittings	T	F			No Access to Pipe Chase			No Access to Pipe Chase – Continue O&M	

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	0112 S	Room 20 (pipe chase)	Pipe Fitting Insulation on fiberglass lines	2 Fittings	T	F		No Access to Pipe Chase	ND – Continue O&M
	0112 S	Room 22 & 23 Hall	Pipe Fitting Insulation on fiberglass lines	2 Fittings	T	F		No Access	ND – Continue O&M
	0112 S	Room 22 (pipe chase)	Pipe Fitting Insulation on fiberglass lines	2 Fittings	T	F		No Access to Pipe Chase	ND – Continue O&M
	0112 S	Room 23 (pipe chase)	Pipe Fitting Insulation on fiberglass lines	2 Fittings	T	F		No Access to Pipe Chase	ND – Continue O&M
	0112 S	Rooms 23 & 22 Hall (above drop before addition)	Pipe Fitting Insulation on fiberglass lines	8 Fittings	T	F		No Access	ND – Continue O&M
	0112 S	Guidance Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	3 Fittings	T	F		No Access	ND – Continue O&M
	0112 S	Art Room Hall (above drop)	Pipe Fitting Insulation on fiberglass lines	13 Fittings	T	F		No Access	ND – Continue O&M
	0102 S	Media Center Storage	9 x 9 Grey Vinyl Floor Tiles	150 SF	M	NF		ND	ND – Continue O&M
	0119 S	School Supply Room (Garage Area Adj. Gym Storage)	Trowled-On Ceiling Plaster		S	F		ND	ND – Continue O&M
	0112 S	Intersecting Hall to 3 <sup>rd</sup> Wing	Pipe Fitting Insulation on fiberglass lines	16 Fittings	T	F		No Access	ND – Continue O&M
	0106 S	Room 28	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		D - < 1%	D – Repair
		Copier Room adjacent Room 28	9 x 9 Gray Floor Tile		M	NF		ND	ND – Continue O&M
	0106 S	Room 29	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		D - < 1%	D – Repair
	0106 S	Room 30	9 x 9 White Vinyl Floor Tiles	750 SF	M	NF		ND	ND – Continue O&M
	0106 S	Room 31	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		D - < 1%	D – Repair



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	0106 S	Room 32	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		D - < 1 %		D – Repair
	0106 S	Room 33	9 x 9 White Vinyl Floor Tiles	750 SF	M	NF		D – 1%		D – Repair
	0106 S	Room 34	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		D – 1%		D – Repair
	0106 S	Room 35	9 x 9 White Vinyl Floor Tiles	750 SF	M	NF		D - < 1 %		D – Repair
	0106 S	Room 36	9 x 9 White Vinyl Floor Tiles	750 SF	M	NF		ND		ND – Continue O&M
	0106 S	Room 37	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		D - < 1 %		D – Repair
	0106 S	Room 38	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		ND		ND – Continue O&M
	0106 S	Room 39	9 x 9 White Vinyl Floor Tiles	750 SF	M	NF		ND		ND – Continue O&M
	0106 S	Room 40	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		ND		ND – Continue O&M
	0106 S	Room 41	9 x 9 Tan Vinyl Floor Tiles	750 SF	M	NF		ND		ND – Continue O&M
	0120 S	Outside Portable Classrooms	5/8" Sheetrock		M	F		No Longer in Use – Taken Away		No Longer in Use – Taken Away – N/A