North Reading Public School District

AHERA Three-Year Reinspection

At the

J T Hood Elementary School
298 Haverhill Street
North Reading, MA 01864

Little Elementary School
7 Barberry Road
North Reading, MA 01864

L.D. Batchelder School
175 Park Street
North Reading, MA 01864

North Reading Middle School & High School
189 Park Street
North Reading, MA 01864

December 2024

HUB TESTING LABORATORY, INC.
Environmental Testing and Consulting Service
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95 Beaver Street
Waltham, MA 02453

(781) 893-8330
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REPORT FOR: North Reading Public School District
189 Park Street
North Reading, MA 01864

ATTENTION: Mr. Andrew Campagna
Supervisor of Building and Grounds

PROJECT: AHERA Three-Year Reinspection

SUBJECT: North Reading Public Schools
19 Sherman Road
North Reading, MA 01864

INSPECTOR(S):

Susan Boyle
Asbestos Inspector
MA Cert. No.: AI 060146

PREPARED BY: Hub Testing Laboratory, Inc.

Susan Boyle
Management Planner
MA Cert. No.: AP 060147

DATE: December 2024

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- Notification Policy
- Short Term Worker Policy
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- Designated Person Statement
- Assurance of Accreditation

C. Credentials

D. Bulk sample reports

E. SDS

A. AHERA Three Year Re-Inspection Report with Chart & Drawings

Hood School

J.T. Hood Elementary School

298 Haverhill Street

North Reading, MA 01864

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2024

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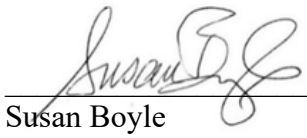
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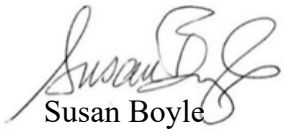
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298 Haverhill Street
North Reading, MA 01864

INSPECTOR(S):



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REPORT FOR: North Reading Public Schools
189 Park Street
North Reading, MA 01864

ATTENTION: Mr. Andrew Campagna,
Director of Facilities

PROJECT: J. Turner Hood School
298 Haverhill Street
North Reading, MA

SUBJECT: AHERA Three-Year Reinspection and Management Plan

DATE: December 31, 2024

As required by the US Environmental Protection Agency's AHERA regulations, Hub Testing Laboratory has completed a survey and reassessment of asbestos containing materials in the J. Turner Hood School of the North Reading Public School District. This report summarizes the locations and conditions of materials remaining in the building and reviews the ongoing responsibilities of the Local Education Agency (LEA). Susan Boyle (AI 060146) completed the inspection on November 11, 2024.

When sampling of suspect asbestos-containing materials was required, samples representative of the material were taken. If samples of thermal systems insulation and miscellaneous materials were necessary, they were collected in unobtrusive locations. If samples of surfacing materials were necessary, they were collected using the guidance document method for random sampling.

This latest survey report should be incorporated into the files that the LEA maintains pertaining to response actions, operations & maintenance activities, six-month surveillances, training, air sampling and major asbestos activities, etc.

The re-inspection consisted of reviewing previous documentation available, interviewing building personnel, and performing a thorough survey of each functional space in the building.

If new materials are installed, safety data sheets should be added to the AHERA files.

The floor plan found in Attachment A should be used to identify functional space identifications.

The standardized form from the Department of Labor Standards has been completed and is found in Attachment A.

Hazard Assessment is based on the condition of the material and the potential for damage.

Potential can be assessed based on the materials accessibility, the possibility of air erosion and the possibility of vibration impact; each of which has a low, moderate and high evaluation. Additionally, the AHERA regulation identifies the appropriate response based on the type of material and condition category.

Hazard Rank	**ACBM Condition Assessment**	**ACBM Disturbance Potential (accessible, vibration, air erosion)**
7	Significantly Damaged	Any potential for further damage
6	Damaged	High Potential for further damage
5	Damaged	Moderate potential for damage
4	Damaged	Low potential for damage
3	Good	High potential for damage
2	Good	Moderate potential for damage
1	Good	Low potential for damage

AHERA Category	Response Action Required By AHERA
Damaged Or Significantly Damaged ACM or Suspect ACM Thermal Systems Insulation	Repair or removal is repair is not feasible.
Damaged Friable Surfacing Or Damaged Friable Miscellaneous ACM	Repair or removal is repair is not feasible.
Significantly Damaged Friable Surfacing Or Significantly Damaged Friable Miscellaneous ACM or Suspect ACM	Isolate Remove or if reasonable enclose or encapsulate
Friable Surfacing, Thermal System Insulation, Or Friable Miscellaneous ACM or Suspect ACM In Undamaged Condition That Has Potential For Damage Is Present In A Building	Implement an O&M Plan
Friable Surfacing, Thermal System Insulation, Or Friable Miscellaneous ACM or Suspect ACM In Undamaged Condition That Has Potential For Significant Damage Is Present In A Building	Implement an O&M Plan Institute preventative measures Remove the material as soon as feasible
ACM in un-damaged condition	Maintain in undamaged condition

The materials previously identified in the J. Turner Hood School are in good condition. There are some materials that are assumed to be asbestos containing since they have not been sampled and are being impacted. These materials should be sampled so that they can be removed from the list of suspect materials.

In meeting with the Designated Person policies regarding how the school system will interface with asbestos and suspect asbestos containing materials were reviewed. These policies are incorporated into the Management Plan under Attachment B; they encompass the school system's position on abatement, how they will handle training, notification, short term workers who conduct work in the buildings as well as the signed Designated Person statements.

Based on the recent inspection, the following actions for ongoing asbestos management in the school are recommended. All work beyond the capabilities of a trained and licensed in house O&M maintenance person must be performed by a licensed and qualified asbestos removal contractor. A licensed Project Designer must design all abatement projects outside of O&M.

1. Perform periodic surveillance of known and assumed asbestos-containing materials every six months until such time as the materials have been removed. The chart included in this report may be used for the documentation. Next survey should be performed in June of 2025 and has an estimated cost of $800.

2. Provide training for new maintenance personnel within 60 days of hire and provide training annually to all maintenance personnel. Training should be conducted during the February school break and has an estimated cost $1850 which is for all maintenance personnel within the school district. Attention should be brought out at the training as to how custodial staff and short term workers can interact with asbestos containing floor tiles and transite panels.

3. The school should continue with the use of commercial grade HEPA vacuums in lieu of dry sweeping.

4. Assumed asbestos containing materials such as the tectum ceiling panels, the gray HVAC good and the materials associated with the modular classrooms (if SDS's can't be located), hazard ranking of 2. Sampling, in accordance with AHERA, is required to determine if materials are asbestos containing. An estimated cost of $1,000 will be needed to conduct the sampling. If funding is available, sampling could be conducted over the February school break. Care should be taken to not cause damage to these materials.

5. Keep an updated copy of the Management Plan in the school as well as a master copy with Mr. Campagna. Review the plan associated with all construction, repair or renovation projects in the school. If there will be potential impact to asbestos containing or assumed asbestos containing materials under the AHERA regulation a licensed Asbestos Designer must develop a plan for the removal.

   The plan must be available, without restriction, to the public, school personnel and their representatives, parents and representatives of EPA and the state, for inspection during normal business hours.

6. Mr. Campagna should either attend a training class for Designated Person or train using a self-study guide to become more familiar with the regulations. The training class is offered in Wilmington at the Institute for Environmental Education and is conducted over one 8 hour day at a cost of $350 or the self study guide can be obtained through the EPA on line at https://www.epa.gov/asbestos/how-manage-asbestos-school-buildings-ahera-designated-persons-self-study-guide-0

7. Perform a three-year reinspection in November of 2027 which should cost approximately $1800.

3 Year Reinspection
School: J Turner Hood Elementary School
Address: 298 Haverhill St, North Reading, MA 01864

Date of Reinspection: 11/11/2024
Inspector Name: Susan Boyle
Inspector Signature: _____ License #: AI 060146

Material	Location (Homogeneous Area)	QTY ≈ (SF, LF)	Type/ Friable	Phys Assess Category	Assumed ACM	Sample Date ACM (Y or N)	Recommendation	Amount/Location of Damage; Type of Damage	Schedule (Begin/ Complete)	Special Cleaning
Mudded fittings on old fiberglass lines	Visible at some custodial offices but throughout school	95 fittings	F	5		Y 6-9-2015 25344-3A 5% chrysotile	O&M, maintain in good condition. As there are inconsistencies in the location of hard packed fittings and documentation exists of the removal of fittings in only some areas yet PVC is noted on other areas; care must be taken to confirm the absence of asbestos in the remaining hard packed fittings in areas other than the original school classrooms, Principals office, gym, nurse's room, main hallway above the ceilings, original teachers lounge and work room and hallway outside the gym.	Hard packed fittings accessible above the suspended ceiling were removed from the original building in 1999 and 2000 associated with the ceiling tile removal. The project in 1999 consisted of 2 phases, the east side classrooms, library, hallway and kindergarten and phase 2 was the west side rooms. The abatement project in 2000 consisted of the principal's office, nurses rooms and main hallway. Presumably hard packed pipe fittings located within walls or chases remain asbestos containing. The elbows on the lower level are un-insulated, however there was no access to the space above the bathrooms or behind sinks. The pipe fittings in the kitchen, gym and cafeteria are PVC. Pipe insulation associated with the HVAC in the gym was removed in 2000.		No
Vibration dampeners	Gym	(2) 12 SF each	F	5	Y		May be vinyl or rubber – test if they become damaged or will be impacted and handle accordingly			No

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T-TSI	SF-Square feet	F-Friable
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Physical Assessment

Assessment Categories for Friable Materials

1. Damaged or significantly damaged TSI **2.** Damaged (D) surfacing **3:** Significantly damaged (SD) surfacing **4:** Damaged or significantly damaged misc
5: Suspect or proven ABCM with the potential for D (*one moderate) **6:** Suspect or proven ABCM with the potential for SD (*one high)
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**Potential for future disturbance for categories 5, 6, & 7,* Access, Vibration, Air Erosion: L-low M-medium H-high

Comments: X [1](4,5,6,7); non friable materials are not characterized under AHERA however MA DLS requests this information.

Six Month Surveillance & Re-inspections

*Fill in the corresponding box with a ✓ for no change in condition or a **C** for a change in the status of a material. Write details about changes in the comment area below the chart on the same page. The person conducting the surveillance must sign and date below.*

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Transite board (previously identified as cementitious material) (2x4 panels above doors)	Above outside mechanical room exit door. Possible additional transite panels over doors of room 15B and adjacent custodial closet. 7-14: May also be in 2 ½ x 6 panels behind Norbitt and newer univents and under and above classroom windows in lower level, corridor to gym and corridor to lower level.	≈ 200 SF	NF	4[1]		Y 1-23-2008 19357 20% chrysotile	O&M			No
Glazing/caulking associated with wire reinforced windows (1959 building)	Hallways @ classrooms (2' x 2' per) & classroom entry & exterior window walls (6" x 3" per)		NF	7[1]	Y		O&M Historically this material has been known to be asbestos containing. This material is not accessible until the windows are removed and therefore no action needs to be taken until that time.			No
Glazing/caulking associated with wire reinforced windows (1969 building)	Hallways @ classrooms lower level 50 LF at kindergarten doorways		NF	7[1]	Y		O&M Historically this material has been known to be asbestos containing. This material is not accessible until the windows are removed and therefore no action needs to be taken until that time.			No
Gray coatings on sinks	All classrooms and teacher's lounge 1959 classrooms	20 SF per sink	NF	5	Y		O&M Not regulated under AHERA but material historically has been known to be asbestos containing and therefore should not be impacted until properly sampled. Items stored underneath should not impact coating. Review in Awareness Training.			No

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Tectum ceiling panels	Square footage of upper level of school (1959 building), but visible in Kitchen, Auditorium/Cafeteria, Utility Closet by room 6, above plaster ceiling in boiler room and above 2'x 2' small fissured ceiling tile in Nurses office, Faculty bathrooms, Corridors, Title 1 offices and all upper classrooms	25,000	F	7	Y		O&M, Sample and remove from suspect category as wires etc. are impacting them	Randomly throughout 1959 building; <10%	February 2025	No
Textured ceiling (≈ 180 SF)	Corridors each side of stage	180 SF	F	5	Y		O&M, Sample		February 2025	No
Grout and thin-set associated with slate tile (old exterior)	Walls at hallway to lower level	350 SF	NF	7[1]	Y		O&M, Maintain in good condition until they require removal			No
Red and white mix terrazzo steps	Corridor stairs to lower level	130 SF	NF	7[1]	Y		O&M, Maintain in good condition until they require removal			No
9" x 9" Tan floor tile (unavailable w/o removing 12" floor tile)	The 9" tiles appear to be under non-asbestos 12" x 12" floor tiles in corridors and classroom in original buildings 1959 and 1969	Classrooms are approximately 900 SF/ea. and corridors are approximately 600 SF/ea.	NF	7[1]	Y		Kitchen Storage, Stove prep Room & Custodian office floor tile was removed in 8/13. The Teacher's planning room and the adjacent hallway outside the gym and Cafetorium was removed in 8/2015. Damage to the non-asbestos 12" tiles was noted in room 3 & 5 by the closet and teacher's desk. The damage is exposing 9" tile below. Minor cracking is noted in multiple areas to the 12" tile.			No
Associated mastic										
Gray HVAC by-pass goop	Above 2x2 ceiling tiles and below tektum ceiling panels		NF	7[1]	Y		O&M, Newly noted, sample		February 2025	No

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Materials associate with modular classroom	End of corridor 1969 building				Y		Modular classrooms were installed in 2003, SDS sheets associated and/or architect notes should be incorporated into the AHERA records.			
2x2 Ceiling tiles	Library wing					N 34031-5 through 14 Sampled 9/2024	All ACM ceiling tile was removed in 1999 and 2000, ceiling tiles were sampled for documentation purposes in 2024 34031, all styles and locations negative.			
2x4 Ceiling tiles	Library wing									
2x2 Ceiling tiles	Lower level									
2x2 Ceiling tiles	1959 wing and main section either dotted or fissured halls									
2x4 Ceiling tiles	1959 wing and main section either dotted or fissured classrooms									
9" x 9" VAT	Kitchen, kitchen storage, stove/oven area, prep area and custodian's office					N	Removed Project #260713 conducted 2013			
9" x 9" VAT	The Teacher's planning room and the adjacent hallway outside the gym and Cafetorium					N	Removed in 2000 and 2015 2015 project # 25570			
2x2 Asbestos ceiling tiles	Throughout school					N	Removed in 1999 and 2000			
Boiler insulation	Boiler room, including boiler, tank and all TSI in boiler room					N	Removed in 2000			
Exterior window glaze							New library wing and 1959 building are new factory sealed windows.			
Window glazing (black)	Lower level exterior windows					N 34031-15 & 16, sampled 9/2024				
Mastic associated with vinyl cove base	Throughout					N	11545-11 to 11545-13, 23715, sampled 7/26/2013 And 25344, Sampled 6/2015			

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12x12 VCT	Different colors installed throughout school, installed after the removal of 9x9 FT in some areas and installed on top of 9x9 FT in other areas (mainly classrooms)					N	White w/blue mottled (500 SF) and light blue mottled (410 SF) in 1959 classrooms, White mottled (1300SF), dark blue mottled (50SF) and mauve mottled (340 FS) are in hallways White mottled and purple mottled checkerboard, mottle gray, mottled blue installed after removal of 9x9 in kitchen and custodial office in 2013 Tarkett, Expressions Gray with black dots, hall to the New library wing (ask Sonny when that was built) (330 SF), Mottled yellow and royal blue checkerboard, 2 end classrooms and 1st inside classroom of lower level (1800SF), White mottled: main hall (900SF), Cafeteria (3200 SF), Kitchen 190 SF), Art rm (260 SF), music rm (100SF), lower-level corridors ((2700 SF) 7 lower-level classrooms (460 SF/per) 4 lower level classrooms (740 SF), 1st outside classroom lower level (360 SF) Blue mottled: main hall (250SF), Cafeteria (600 SF), ramps (100 SF), hall to and in library win (300 SF), Art rm (300 SF) Music rm-different mottled blue (360 SF), Corridor to lower level (1000 SF), 7 lower-level classrooms (450 SF/per), outside classroom lower level (210 SF) Mottled dark blue: main hall (32 SF), Cafeteria (280SF), Kitchen serving area (175 SF) Mottled Gray: front main hall (96 SF), library wing (50 SF) Off white with dots: ramps to Cafeteria (150 SF) Mottled mauve: Cafeteria (600 SF), kitchen (190 SF), corridor to lower level (95 SF) Blue sheet flooring: gym (3800 SF) 9x9 floor tile pattern is radiating through Whie with gray splotches: teachers room and teachers work room and abutting hall (660 SF)		

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Mastic Associated with new VCT	see above						see above			
Sheetrock	Throughout					N 25344, Sampled 6/2015				
Joint compound	Throughout									
Ceiling plaster	Boiler room									
CMU grout	Throughout									
Exterior brick mortar	Building exterior & boiler room									
Ceramic wall tile grout	Faculty baths									
2" x 2" Ceramic floor tile grout	Faculty baths									
6" x 6" Red ceramic floor tile grout	Student baths									
2' x 2' Small fissured suspended ceiling tile							All ACM ceiling tile was removed in 1999 and 2000, ceiling tiles were sampled for documentation purposes in 2024 34031, all styles and locations negative.			
Materials associate with modular classroom	End of corridor 1969 building				Y		Modular classrooms were installed in 2003, SDS sheets associated and/or architect notes should be incorporated into the AHERA records.			

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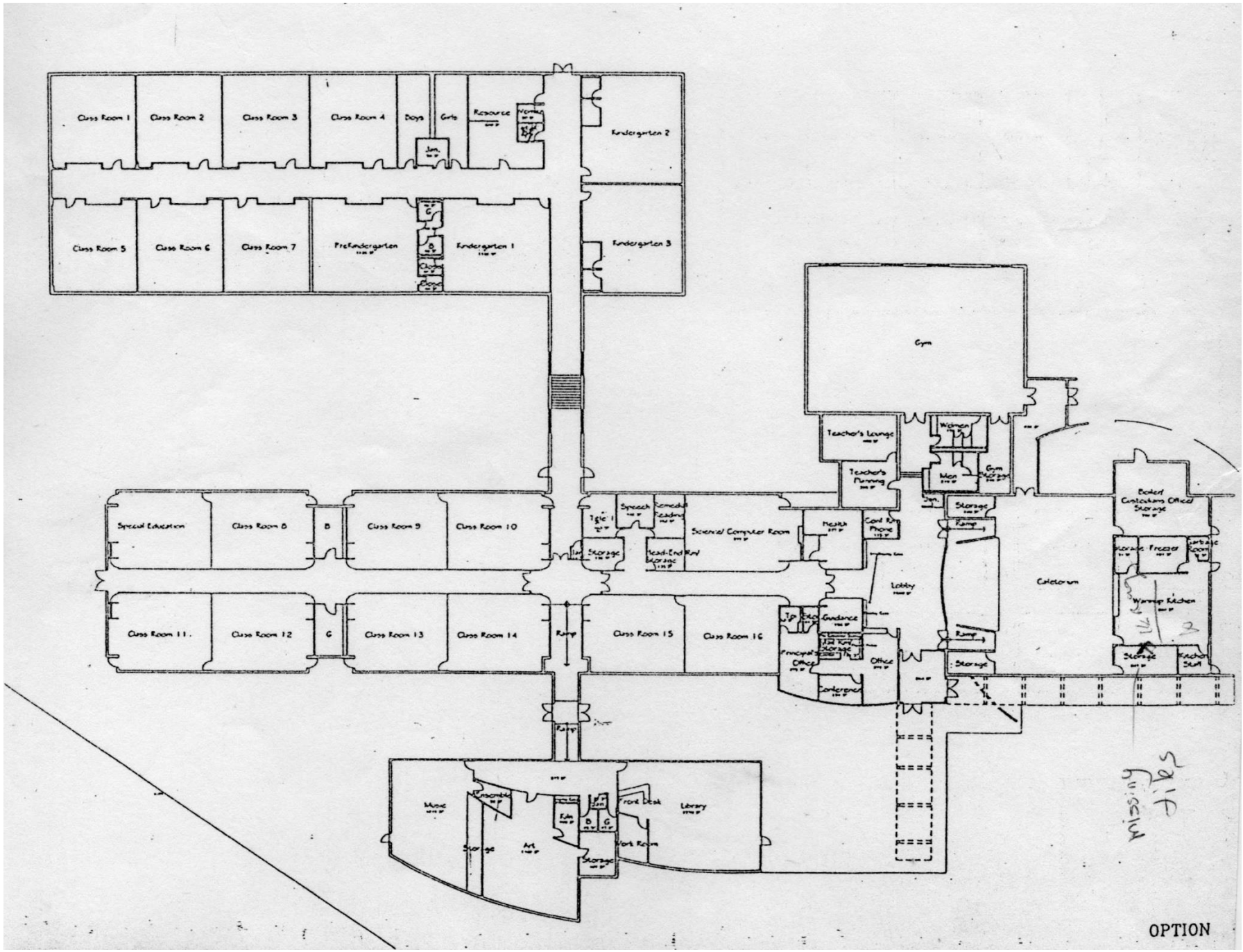
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12-mo. Date:_____ Signature:_____ ***24-mo.*** Date:_____ Signature:_____
30-mo. Date:_____ Signature:_____ ***3-YR Re-inspect:*** Date:_____ Signature:_____


Class Room 1
Class Room 2
Class Room 3
Class Room 4
Boys
Girls
Resource
Kindergarten 2
Class Room 5
Class Room 6
Class Room 7
PreKindergarten
Kindergarten 1
Kindergarten 3
Gym
Teacher's Lounge
Women
Men
Gym Storage
Teacher's Nursing
Storage
Special Education
Class Room 8
B
Class Room 9
Class Room 10
Speech
Remedial Reading
Science/ Computer Room
Health
Card Room Phone
Storage
Head-End Roof Storage
Lobby
Cafetorium
Baked Customers Office/ Storage
Storage
Freezer
Serving Kitchen
Class Room 11
Class Room 12
G
Class Room 13
Class Room 14
Ramp
Class Room 15
Class Room 16
Guidance
Principal's Office
Office
Storage
Conference
Ramp
Music
Storage
Art
Book Room
Storage
Front Desk
Library
OPTION

Little School

Little Elementary School

7 Barberry Road

North Reading, MA 01864

AHERA Three-Year Reinspection

2024

HUB TESTING
LABORATORY, INC.

Environmental Testing and Consulting Service

Certified Woman-owned Business Enterprise (WBE)

95 Beaver Street
Waltham, MA 02453

(781) 893-8330
FAX (781) 893-4414
www.hubtesting.net

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REPORT FOR: North Reading Public School District
189 Park Street
North Reading, MA 01864

ATTENTION: Mr. Andrew Campagna
Supervisor of Building and Grounds

PROJECT: AHERA Three-Year Reinspection

SUBJECT: E. Ethel Little School
7 Barberry Road
North Reading, MA

INSPECTOR(S):

Susan Boyle
Asbestos Inspector
MA Cert. No.: AI 060146

PREPARED BY: Hub Testing Laboratory, Inc.

Susan Boyle
Management Planner
MA Cert. No.: AP 060147

DATE: December 2024

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REPORT FOR: North Reading Public Schools
189 Park Street
North Reading, MA 01864

ATTENTION: Mr. Andrew Campagna,
Director of Facilities

PROJECT: E. Ethel Little School
7 Barberry Road
North Reading, MA

SUBJECT: AHERA Three-Year Reinspection and Management Plan

DATE: December 31, 2024

As required by the US Environmental Protection Agency's AHERA regulations, Hub Testing Laboratory has completed a survey and reassessment of asbestos containing materials in the E. Ethel Little School of the North Reading Public School District. This report summarizes the locations and conditions of materials remaining in the building and reviews the ongoing responsibilities of the Local Education Agency (LEA). Susan Boyle (AI 060146) completed the inspection on November 11, 2024.

When sampling of suspect asbestos-containing materials was required, samples representative of the material were taken. If samples of thermal systems insulation and miscellaneous materials were necessary, they were collected in unobtrusive locations. If samples of surfacing materials were necessary, they were collected using the guidance document method for random sampling.

This latest survey report should be incorporated into the files that the LEA maintains pertaining to response actions, operations & maintenance activities, six-month surveillances, training, air sampling and major asbestos activities, etc.

The re-inspection consisted of reviewing previous documentation available, interviewing building personnel, and performing a thorough survey of each functional space in the building.

If new materials are installed, safety data sheets should be added to the AHERA files.

The floor plan found in Attachment A should be used to identify functional space identifications as well as locations of different floor tiles.

The standardized form from the Department of Labor Standards has been completed and is found in Attachment A.

Hazard Assessment is based on the condition of the material and the potential for damage. Potential can be assessed based on the materials accessibility, the possibility of air erosion and the possibility of vibration impact; each of which has a low, moderate and high evaluation. Additionally, the AHERA regulation identifies the appropriate response based on the type of material and condition category.

Hazard Rank	**ACBM Condition Assessment**	**ACBM Disturbance Potential (accessible, vibration, air erosion)**
7	Significantly Damaged	Any potential for further damage
6	Damaged	High Potential for further damage
5	Damaged	Moderate potential for damage
4	Damaged	Low potential for damage
3	Good	High potential for damage
2	Good	Moderate potential for damage
1	Good	Low potential for damage

AHERA Category	Response Action Required By AHERA
Damaged Or Significantly Damaged ACM or Suspect ACM Thermal Systems Insulation	Repair or removal is repair is not feasible.
Damaged Friable Surfacing Or Damaged Friable Miscellaneous ACM	Repair or removal is repair is not feasible.
Significantly Damaged Friable Surfacing Or Significantly Damaged Friable Miscellaneous ACM or Suspect ACM	Isolate Remove or if reasonable enclose or encapsulate
Friable Surfacing, Thermal System Insulation, Or Friable Miscellaneous ACM or Suspect ACM In Undamaged Condition That Has Potential For Damage Is Present In A Building	Implement an O&M Plan
Friable Surfacing, Thermal System Insulation, Or Friable Miscellaneous ACM or Suspect ACM In Undamaged Condition That Has Potential For Significant Damage Is Present In A Building	Implement an O&M Plan Institute preventative measures Remove the material as soon as feasible
ACM in un-damaged condition	Maintain in undamaged condition

The materials previously identified in the E. Ethel Little School are in relatively good condition. There are some materials that are damaged; they are non-friable materials in stable condition however their damage indicates either deterioration due to age such as cracks in floor tile or damage which appears to be historic such as in transite panels in Wing A hallway at the installation of wires.

In meeting with the Designated Person policies regarding how the school system will interface with asbestos and suspect asbestos containing materials were reviewed. These policies are incorporated into the Management Plan under Attachment B; they encompass the school system's position on abatement, how they will handle training, notification, short term workers

who conduct work in the buildings as well as the signed Designated Person statements.

Based on the recent inspection, the following actions for ongoing asbestos management in the school are recommended. All work beyond the capabilities of a trained and licensed in house O&M maintenance person must be performed by a licensed and qualified asbestos removal contractor. A licensed Project Designer must design all abatement projects outside of O&M.

1. Perform periodic surveillance of known and assumed asbestos-containing materials every six months until such time as the materials have been removed. The chart included in this report may be used for the documentation. Next survey should be performed in June of 2025 and has an estimated cost of $800.

2. Provide training for new maintenance personnel within 60 days of hire and provide training annually to all maintenance personnel. Training should be conducted during the February school break and has an estimated cost $1850 which is for all maintenance personnel within the school district. Attention should be brought out at the training as to how custodial staff and short term workers can interact with asbestos containing floor tiles and transite panels.

3. All friable asbestos-containing materials in routine maintenance areas must be maintained with identifying labels. Some labels are present, but further labeling will be necessary. Asbestos labels can be purchased and the maintenance personnel can place them where appropriate. This should be completed by February school break of this year and has an estimated cost of $600. Routine maintenance areas are areas such as mechanical rooms as well as custodial closets, electrical rooms or HVAC rooms etc. Under MA regulation all labels must be of large size and prominently displayed in readily visible locations. Additionally, the warning label shall read, in bright colors, as follows: CAUTION: ASBESTOS, HAZARDOUS, DO NOT DISTURB WITHOUT PROPER TRAINING AND EQUIPMENT.

   Labels can be purchased on line through several suppliers including https://www.safetysign.com/products/6720/caution-hazardous-asbestos-label or https://www.mysafetylabels.com/asbestos-hazard-dont-disturb-without-proper-training-label/sku-lb-2442?srsltid=AfmBOoqkQQT4sRPrtQBNxc6jOP1xrkboN62Y8dEHhWGNNxMpgHI51MSa

4. The school should continue with the use of commercial grade HEPA vacuums in lieu of dry sweeping.

5. Special care should be taken to avoid disturbing the visible/accessible fittings. Most hard packed fittings associated with the fiberglass pipe insulation which is accessible have been removed and replaced with PVC sleeves. Previously, pipe elbows and fittings were sampled and determined to be asbestos containing. Any impact to plumbing and/or heating lines must be handled as an asbestos abatement activity if they impact the elbows or fittings. **Under the 454 CMR 28.13(3)(b)3 all fitting unless proven to be non-asbestos must be either treated as asbestos containing or sampled individually prior to impact.**

6. The various floor tiles throughout the building have sustained normal wear & tear at thresholds and double doors and have historic damage. The 9"x9" tile and associated mastic are assumed asbestos containing and must be maintained in good condition. The floor tiles and mastic have a Hazard Assessment ranking of 4 if one were to consider it a friable material. Efforts, such as a thick coat of wax, should be taken to prevent the lifting of the floor tiles in the building. The condition of the floor tiles should be monitored during the six-month surveillances, which is performed as required by a knowledgeable person. This process will aid in documenting when tiles become broken and to determine when and where damaged tiles need to be replaced.

7. Assumed asbestos containing materials such as the ceramic tile grouts and thin-sets/adhesives, new floor tile and mastics (if SDS's can't be located), carpet mastics, sheetrock divider walls, and acoustical panels/textured ceiling have a hazard ranking of 2. Sampling, in accordance with AHERA, is required to determine if materials are asbestos containing. An estimated cost of $1,800 will be needed to conduct the sampling. If funding is available, sampling could be conducted over the February school break. Care should be taken to not cause damage to these materials.

8. Keep an updated copy of the Management Plan in the school as well as a master copy with Mr. Campagna. Review the plan associated with all construction, repair or renovation projects in the school. If there will be potential impact to asbestos containing or assumed asbestos containing materials under the AHERA regulation a licensed Asbestos Designer must develop a plan for the removal.

   The plan must be available, without restriction, to the public, school personnel and their representatives, parents and representatives of EPA and the state, for inspection during normal business hours.

9. Mr. Campagna should either attend a training class for Designated Person or train using a self-study guide to become more familiar with the regulations. The training class is offered in Wilmington at the Institute for Environmental Education and is conducted over one 8 hour day at a cost of $350 or the self study guide can be obtained through the EPA on line at https://www.epa.gov/asbestos/how-manage-asbestos-school-buildings-ahera-designated-persons-self-study-guide-0

10. Perform a three-year reinspection in November of 2027 which should cost approximately $1800.

3 Year Reinspection
School: E Ethel Little Elementary School
Address: 7 Barberry Road, North Reading, MA 01864

Date of Reinspection: 11/11/2024
Inspector Name: Susan Boyle
Inspector Signature: _____ License #: AI 060146

Material	Location (Homogeneous Area)	QTY ≈ (SF, LF)	Type/ Friable	Phys Assess Category	Assumed ACM	Sample Date ACM (Y or N)	Recommendation	Amount/Location of Damage; Type of Damage	Schedule (Begin/ Complete)	Special Cleaning
Pipe elbows and fittings (≈ 100 LF)	Kitchen (≈10), Kitchen Storage (hall by boiler,≈ 6), Custodian Storage, Nurse's Office, Main Office, Staff Room, B-Wing Custodian Closet (26), Storage Room (11), B-Wing classrooms (≈10). Bathrooms (≈10-15) and gym (≈8) and Cust. Office (≈26).	100 LF	T, F	5		Y, 6/8/2015 25336-9A: 45% Chrysotile	O&M, maintain in good condition	The kitchen has a dead line by the refrigerator 2. Hard packed above ceiling in classrooms. The fittings were sampled according to AHERA and found to contain 45% Chrysotile asbestos.		No
Vibration dampeners	Gym(2) & Stage (2)	55 LF	M, NF	6[1]	Y		O&M, maintain in good condition or if damaged sample and treat accordingly	Material appears to be a green canvas. Stage HVAC has slight damage	When funding becomes available	
Transite panels around windows and doors (2x 4 panels above doors & 3x4 corridor by rms. 1,2,3,4)	A-Wing: top of Cafeteria windows and classroom doors, corridor above wood; B-Wing: beneath and above classroom windows; Outside mechanical room above door; Above walls in corridor between classrooms 1, 2, 3, 4, 7 & 8. 7-14: May also be in 2 ½ x 6 panels behind Norbitt and newer univents and under and above classroom windows in lower level, corridor to gym and corridor to lower level.	1,600 SF	M, NF	4[1]		Y 9/2024 34031-1: 15% Chrysotile 34031-2: 20% Chrysotile	O&M, non friable. Reiterate to custodial staff not to impact	Front of school exterior in front bathrooms 40 SF removed. Looks like metal casings have been placed around windows & door except mechanical room, which was repainted and has a crack across the pane. Previous damage by classrooms 1, 2 and 3, 4 from utilities having drilled holes into material 10/2024 historic damage noted from drill holes in corridor by rm 18	In next Awareness Training, conduct in 2025	
Textured ceiling plaster	Custodial room by boys' bath by cafeteria and outside A wing baths	150 SF	S, NF	7[1]	Y		Sample as funds become available, maintain in good condition			

Key

Type	*Amount*	*Friability*
T-TSI	SF-Square feet	F-Friable
S- Surfacing	LF-Linear feet	NF-Non-friable

Physical Assessment

Assessment Categories for Friable Materials

1. Damaged or significantly damaged TSI **2.** Damaged (D) surfacing **3:** Significantly damaged (SD) surfacing **4:** Damaged or significantly damaged misc
5: Suspect or proven ABCM with the potential for D (*one moderate) **6:** Suspect or proven ABCM with the potential for SD (*one high)
7. Any remaining suspect or proven ACBM (*all low)
**Potential for future disturbance for categories 5, 6, & 7,* Access, Vibration, Air Erosion: L-low M-medium H-high

Comments: X [1](4,5,6,7) non friable materials are not characterized under AHERA however MA DLS requests this information.

Six Month Surveillance & Re-inspections

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Material	Location (Homogeneous Area)	QTY ≈ (SF, LF)	Type/ Friable	Phys Assess Category	Assumed ACM	Sample Date ACM (Y or N)	Recommendation	Amount/Location of Damage; Type of Damage	Schedule (Begin/ Complete)	Special Cleaning
Glazing associated with perimeter window walls	A-wing classroom	≈40 LF/window	M, NF	7[1]	Y		Historically this material has been known to be asbestos containing. This material is not accessible until the windows are removed and therefore no action needs to be taken until that time.			
Glazing associated with perimeter window walls	C-wing classrooms	≈40 LF/window	M, NF	7[1]	Y		Historically this material has been known to be asbestos containing. This material is not accessible until the windows are removed and therefore no action needs to be taken until that time.			
Glazing associated with perimeter window walls	Kindergarten and pre school wing	≈40 LF/window	M, NF	7[1]	Y		Historically this material has been known to be asbestos containing. This material is not accessible until the windows are removed and therefore no action needs to be taken until that time.			
Glazing / caulking associated with interior window walls (wire reinforced)	Hallways, A-wing classroom and doors, B-wing classroom entry	64 LF per hallway window wall, A-wing classroom doors 10 LF per, A wing classrooms 150/per, B-wing classroom entry 10 LF per	M, NF	7[1]	Y		Historically this material has been known to be asbestos containing. This material is not accessible until the windows are removed and therefore no action needs to be taken until that time.			
Coatings on sinks	All classrooms and Teacher's lounge	5 SF per sink	M, NF	5[1]	Y		Not regulated under AHERA but material historically has been known to be asbestos containing and therefore should not be impacted until properly sampled.		In next Awareness Training, conduct in 2025	

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							Items stored underneath should not impact coating. Review in Awareness Training.			
9 x 9 Tan floor tile	B-Wing Classrooms & Hall, Work Room, Storage, Staff Lounge and Conference room A, Room between Staff Lounge and conference room A, computer lab, Room 19	7700 SF	M, NF	4[1]	Y		O&M, non friable Corridor C has 12" x 12" light tan floor tile that may be laid over 9" x 9" asbestos floor tile. This should be noted in file for flooring contractors, etc.	Some tile-to-tile separation, but not lifting from floor and are well waxed over. Damage has been identified in room 14 by door, hall by 14, at the thresholds in classrooms 17, as well as in the storage room.		
Associated mastic		7700 SF	M, NF	7[1]	Y		O&M, non friable			
9 x 9 Gray floor tile	A-Wing Classrooms (1-6)	5560 SF	M, NF	4[1]	Y		O&M, non friable Floor tile assumed to be underneath carpet in Administrative Offices. Tiles have been replaced in room 2 at threshold, ≈ 2 SF in room 4, ≈ 24 SF in room 6 and ≈ 6 SF in room 3 at entry.	Some tile-to-tile separation, but not lifting from floor and are well waxed over. Some minor damage at thresholds in classrooms 6, 4, 3, 2, and 1		
Associated mastic		5400 SF	M, NF	7[1]	Y		O&M, non friable			
9 x 9 small mottled dark tan/brown floor tile	Closets in cafeteria	160 SF	M, NF	7[1]	Y		O&M, non friable			
Associated mastic		160 SF	M, NF	7[1]	Y					

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2" x 2" White/Gray ceramic floor tile grout	Girl's bath, Custodial closet, boy's bath B wing and baths/custodial closet between rooms 21 and 22, bath and custodial rm by cafeteria.	1,000 SF	M, NF	7[1]	Y		O&M until material is to be removed or becomes damaged and then sample			
Exterior window glaze	Exterior windows of gym	600 LF	M, NF	7[1]	Y		Sample as funds become available, maintain in good condition			
1" Ceramic floor tile grout and thin-set	Small bathrooms and storage closets in kindergarten wing and room 20	100 SF	M, NF	7[1]	Y		O&M until material is to be removed or becomes damaged and then sample			
4"x6" ceramic wall tile grout and thin-set		160 SF	M, NF	7[1]	Y		O&M until material is to be removed or becomes damaged and then sample			
2" Ceramic floor tile grout and thin-set	Small bathrooms by gym at main entrance	40 SF	M, NF	7[1]	Y		O&M until material is to be removed or becomes damaged and then sample			
6" ceramic wall tile grout and thin-set		100 SF	M, NF	7[1]	Y		O&M until material is to be removed or becomes damaged and then sample			
Glazing associated with perimeter window walls (black)	B-wing classroom	≈40 LF/window	M, NF	7[1]		N 9/2024 34031-3 and 4				
Pre-fabricated sheetrock panels	Walls of modular classrooms and access to modular classrooms	200 SF				Modulars installed in 2002, incorporate SDS into the Management Plan				
1'x1' white with black splotches VCT		310 SF								
2'x4' small fissured ceiling tiles	Ceilings of modular classrooms and access to modular classrooms	1800 SF								

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4" gray vinyl cove base mastic	Access to modular classrooms	80 LF								
TSI	Boiler room					No	Removed in April of 1997 and 2009			
Asbestos containing materials associated with HB Smith boiler	Boiler room					No	Removed in September of 2011			
VCT 12x12 different shades of mottled tan, gray and blue or carpet	Teacher's Work Room, along old Administration Office walls, Gym, along partition wall for Rooms 15 & 16, entry by Gym at corridor to new kindergarten wing, kindergarten classrooms 21, 22, 20, in small hall to Kitchen and around door to Cafeteria, A-Wing classrooms 7 & 8, small storage closets at A wing and front hall, C wing classroom and hall, reading room at corner of B and C wing. Nurses office and front office.					No	Removed in April of 1997 – Replaced with non-ACM flooring A-Wing classrooms 7 & 8 abated in 2010 – Replaced with non-ACM flooring Nurses office was abated in 8/ 2013 – Replaced with non-ACM flooring			
2' x 2' Suspended ceiling tile	B-Wing corridors, part of old Library (Computer Room), B-Wing classrooms, bathrooms in from of office, Girls bathroom in B-Wing, 166 & 165, Boys bathroom in B-Wing & Storage room in B-Wing					No	Removed. Accordion partitions were previously removed. In July of 2009, the remaining locations were removed. In August of 2013, the Boys bathroom in B-Wing & Storage room in B-Wing were removed.			
2' x 4' Large dotted ceiling tiles	A-wing classrooms (138 &139), Main office, Work rooms, front vestibule, Staff Rooms, front hallway, C-Wing, A –Wing boy's and girl's room A-wing classrooms (rooms 141,142,143,144,146,147)					No	Sampled in December of 2005 (17635) and found not to contain asbestos.			
2' x 2' Ceiling tile	Gym & A-wing					No	Sampled in September 2002 and found not to contain asbestos.			
Mastic associated with 4" vinyl cove base	Throughout					No	Sampled in 7/13 and 6/15 and proven negative Sampled in June 2015 and found not contain asbestos.			
Plaster	A-Wing bathrooms, hallway and Boiler room					N	Sampled in June 2015 (25336) and found not to contain asbestos.			
Speed tile grout	A-Wing									
Ceramic wall tile grout	Girl's & Boy's bathrooms, custodial office and bathroom by office									

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Multiple size/colored slate floor tile grout	Entry by Cafeteria					N	Sampled in June 2015 (25336) and found not to contain asbestos.			
6" x 6" Red ceramic floor tile grout	Boy's and Girl's bathrooms by cafeteria						Sampled in June 2015 (25336) and found not to contain asbestos.			
Deep textured skim/plaster	Boiler room ceiling						Sampled in June 2015 (25336) and found not to contain asbestos.			
CMU Grout	walls					N	Sampled in June 2015 (25336) and found not to contain asbestos.			
Skutt Electric Kiln model KS 1027-LT3K, serial number 001112.	Art room 10					N	Contacted manufacturer. Skutt has never used asbestos in their kilns. SDS was supplied by manufacturer.			

Key

Type	*Amount*	*Friability*
T-TSI	SF-Square feet	F-Friable
S- Surfacing	LF-Linear feet	NF-Non-friable

Physical Assessment

Assessment Categories for Friable Materials

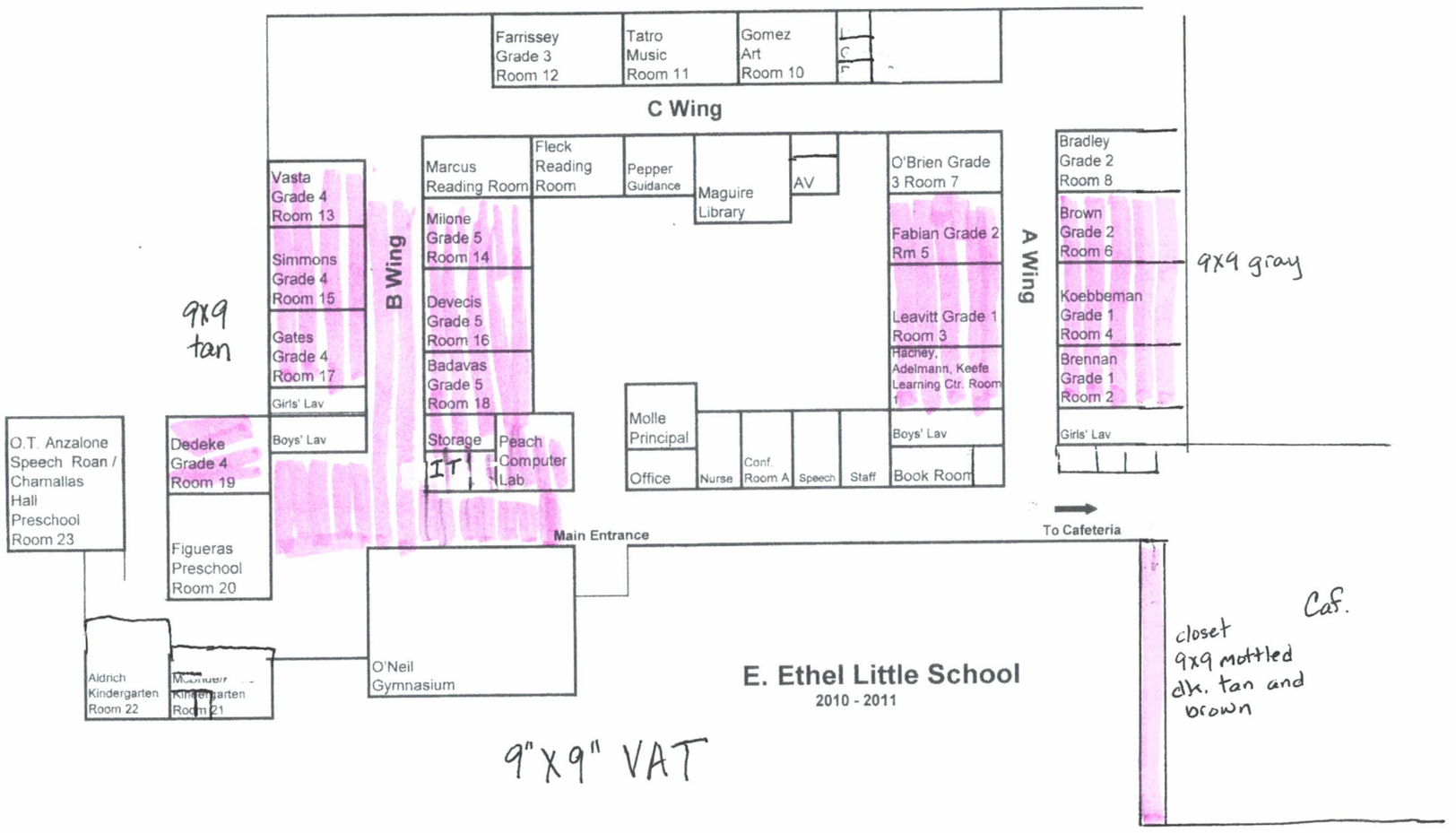
1. Damaged or significantly damaged TSI **2.** Damaged (D) surfacing **3:** Significantly damaged (SD) surfacing **4:** Damaged or significantly damaged misc
5: Suspect or proven ABCM with the potential for D (*one moderate) **6:** Suspect or proven ABCM with the potential for SD (*one high)
7. Any remaining suspect or proven ACBM (*all low)
**Potential for future disturbance for categories 5, 6, & 7,* Access, Vibration, Air Erosion: L-low M-medium H-high

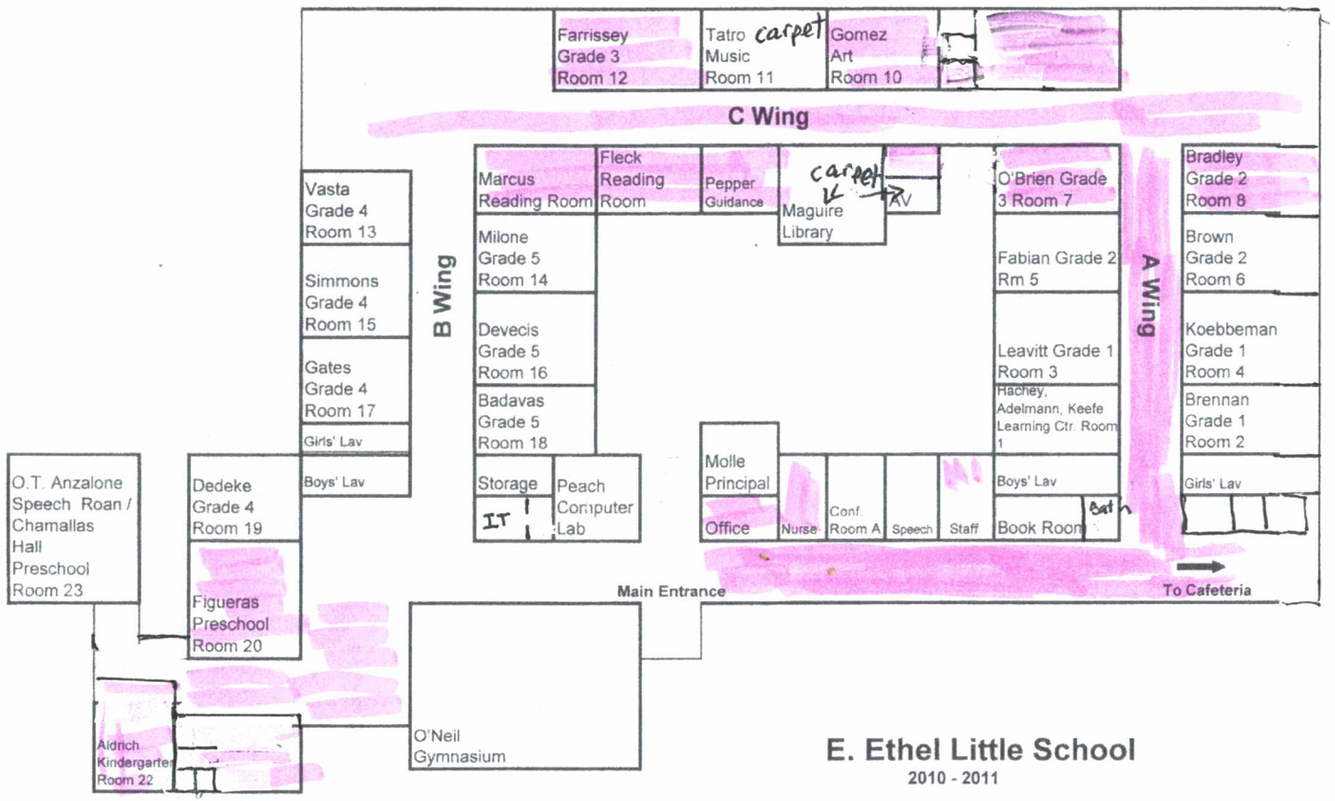
Comments: X [1](4,5,6,7) non friable materials are not characterized under AHERA however MA DLS requests this information.

Six Month Surveillance & Re-inspections

*Fill in the corresponding box with a ✓ for no change in condition or a **C** for a change in the status of a material. Write details about changes in the comment area below the chart on the same page. The person conducting the surveillance must sign and date below.*

6-mo. Date:_____ Signature:_____ ***18-mo.*** Date:_____ Signature:_____
12-mo. Date:_____ Signature:_____ ***24-mo.*** Date:_____ Signature:_____
30-mo. Date:_____ Signature:_____ ***3-YR Re-inspect:*** Date:_____ Signature:_____


Farrissey
Grade 3
Room 12
Tatro
Music
Room 11
Gomez
Art
Room 10
C Wing
Vasta
Grade 4
Room 13
Simmons
Grade 4
Room 15
Gates
Grade 4
Room 17
Girls' Lav
Boys' Lav
B Wing
Marcus
Reading Room
Fleck
Reading
Room
Pepper
Guidance
Maguire
Library
AV
Milone
Grade 5
Room 14
Devecis
Grade 5
Room 16
Badavas
Grade 5
Room 18
Storage
IT
Peach
Computer
Lab
O'Brien Grade
3 Room 7
Fabian Grade 2
Rm 5
Leavitt Grade 1
Room 3
Hachey,
Adelmann, Keefe
Learning Ctr. Room
1
Boys' Lav
Book Room
A Wing
Bradley
Grade 2
Room 8
Brown
Grade 2
Room 6
Koebbeman
Grade 1
Room 4
Brennan
Grade 1
Room 2
Girls' Lav
9x9 gray
9x9
tan
O.T. Anzalone
Speech Roan /
Charnallas
Hall
Preschool
Room 23
Dedeke
Grade 4
Room 19
Figueras
Preschool
Room 20
Molle
Principal
Office
Nurse
Conf.
Room A
Speech
Staff
Main Entrance
To Cafeteria
Aldrich
Kindergarten
Room 22
Kindergarten
Room 21
O'Neil
Gymnasium
E. Ethel Little School
2010 - 2011
Caf.
closet
9x9 mottled
dk. tan and
brown
9"X9" VAT



E. Ethel Little School

2010 - 2011

12" X12" VCT

Batchelder School

L.D. Batchelder School
175 Park Street
North Reading, MA 01864

AHERA Three-Year Reinspection

December 2024

HUB TESTING
LABORATORY, INC.
Environmental Testing and Consulting Service
Certified Woman-owned Business Enterprise (WBE)

95 Beaver Street
Waltham, MA 02453

(781) 893-8330
FAX (781) 893-4414
www.hubtesting.net

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REPORT FOR: North Reading Public School District
189 Park Street
North Reading, MA 01864

ATTENTION: Mr. Andrew Campagna
Supervisor of Building and Grounds

PROJECT: AHERA Three-Year Reinspection

SUBJECT: L.D. Batchelder School
175 Park Street
North Reading, MA 01864

INSPECTOR(S):

Susan Boyle
Asbestos Inspector
MA Cert. No.: AI 060146

PREPARED BY: Hub Testing Laboratory, Inc.

Susan Boyle
Management Planner
MA Cert. No.: AP 060147

DATE: December 2024

Hub Testing Laboratory, Inc.

Memo

To: AHERA File for the Batchelder School

From: Lynne Brimhall

Date: February 2021

Re: Batchelder School 3-Year Re-inspection

The Batchelder School underwent major renovations between 2002 and 2006, which included the addition of a new building, and is now re-open. During a 6-month surveillance performed in 2007, it was discovered that the layout of the building was different from previous inspections and all new flooring was noted. Information pertaining to the removal of previously identified ACM prior to renovations should be placed in the school's AHERA file. In addition, the architect and/or contractor have supplied a letter stating that to the best of their knowledge no ACM was used in the construction and renovations at the Batchelder School. The letter has already been placed in both the master AHERA file and the individual school file. This memo should be placed in both the master AHERA file and the individual school file under the 3-year re-inspections. A copy of the letter should be submitted to the EPA's regulation office to remove the school from the AHERA inspection list if it has not already been done.

TAPPÉ
ASSOCIATES
▪
ARCHITECTURE
▪
PLANNING

TAPPÉ ASSOCIATES, INC.

September 23, 2011

Mr. Wayne Hardacker
North Reading Public Schools
North Reading, MA

RE: ACBM Batchelder School, North Reading Ma.

Dear Mr. Hardacker,

Tappe Associates Inc. was the Architect of Record for the addition and renovations to the Batchelder Elementary School in North Reading.

Per your request, this letter services to confirm that to the best of our knowledge and based on the information that we have available to us, no asbestos containing materials were specified as a building materials in any construction document for the building and no asbestos containing materials were used as a building material in the building. It should be noted that while the plans and specifications did not allow the use of ACBM's. we are not able to verify complete compliance with those documents during the construction of the building.

Please feel free to contact our office if you should have any further questions.

Regards,

Charles Hay, AIA Principal
Tappe Associates Inc

Middle School/High School

North Reading Middle School & High School
189 Park Street
North Reading, MA 01864

AHERA Three-Year Reinspection

December 2024

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REPORT FOR: North Reading Public School District
189 Park Street
North Reading, MA 01864

ATTENTION: Mr. Andrew Campagna
Supervisor of Building and Grounds

PROJECT: AHERA Three-Year Reinspection

SUBJECT: North Reading Middle School and High School
189 Park Street
North Reading, MA 01864

INSPECTOR(S):

Susan Boyle
Asbestos Inspector
MA Cert. No.: AI 060146

PREPARED BY: Hub Testing Laboratory, Inc.

Susan Boyle
Management Planner
MA Cert. No.: AP 060147

DATE: December 2024

Hub Testing Laboratory, Inc.

Memo

To: AHERA File for the Batchelder School

From: Lynne Brimhall

Date: February 2021

Re: Middle School and High School 3-Year Re-inspection

During 2013 and 2015, Dore & Whittier and the Gilbane Building Company were contracted by the North Reading Public School District to conduct a major construction project to renovate and construct a new combined Middle School and High School. The contract stipulated that the North Reading Middle School be gutted and reconstructed over multiple phases and the old North Reading High School be demolished and a brand-new building built on the old site.

During the current inspection, one new building, located at 189 Park Street, housed the Middle School and the High School as well as Central Office. New fireproofing, new 12" x 12" floor tiles, new ceiling tiles, new ceramic tiles, new cove base, new carpet, new windows, new wall materials and new insulation were noted throughout this new building.

Information pertaining to the removal of previously identified ACM prior to demolition and renovations should be placed in the school's AHERA file.

In addition, a letter (see attached) from the Gilbane Building Company has been supplied stating that no asbestos was used in any product or material supplied or built into the project. The letter and memo should be placed in both the master AHERA file and the individual school file under the 3-year re-inspections. A copy of the letter should be submitted to the EPA's regulation office to remove the school from the AHERA inspection list if it has not already been done.

Whenever possible, safety data sheets (SDS) should be obtained for new materials to indicate that they do not contain asbestos.

Gilbane
10 Channel Center Street, Boston MA 02110 Suite 100
Telephone 617-478-3300

December 10, 2015

Brad Dore

Dore and Whittier

260 Merrimac Street

Newburyport, MA 01950

Subject: Asbestos Free Certification letter per Section 017800 3.06(I)(1)

North Reading Middle High School

Dear Brad,

In accordance with Section 01 60 00, the Gilbane Building Company certifies that there is no asbestos in any product or material supplied or built into the project under Gilbane Building Company's contract with the Town of North Reading.

Very Truly Yours

Joanna Kripp

Senior Project Executive | Gilbane Building Company

D. Bulk Reports

HUB TESTING
LABORATORY, INC.
Environmental Testing and Consulting Service
Certified Woman-owned Business Enterprise (WBE)

95 Beaver Street
Waltham, MA 02453

(781) 893-8330
FAX (781) 893-4414
www.hubtesting.net

January 13, 2025

Report For: North Reading Public Schools
Attn: Mr. Sonny Campagna, Director of Facilities
189 Park Street
North Reading, MA 01864

Hub ID: 34031

Project ID: E. Ethel Little School
And
J Turner Hood School

Date Collected: September 30, 2024

Scope: Sixteen (16) samples of suspect material were collected by Susan Boyle AI060146 in the E. Ethel Little School and the J. Turner Hood Elementary school to aid in compliance with AHERA requirements. It was requested that the samples be analyzed for the presence of asbestos.

Methodology: Analysis for the presence of asbestos in bulk samples was performed using Polarized Light Microscopy EPA/600/R-93/116, EPA 600/M4-82-020.

Homogeneous Materials Chart:

Homogeneous Area of Suspect Material	Location	Quantity	Condition G/D/SD	Asbestos Y/N
Little School				
Transite panels	A-Wing: top of Cafeteria windows and classroom doors, corridor above wood; B-Wing: beneath and above classroom windows; Outside mechanical room above door; Above walls in corridor between classrooms 1, 2, 3, 4, 7 & 8. May also be in 2 ½ x 6 panels behind Norbitt and newer univents and under and above classroom windows in lower level, corridor to gym and corridor to lower level	1,600 SF	D	Y
Window glazing (black)	B Wing exterior windows	40 LF/window unit	D	N

Homogeneous Area of Suspect Material	Location	Quantity	Condition G/D/SD	Asbestos Y/N
Hood School				
2 x 2 ceiling tile	Library wing	part of ≈5,000 SF	D	N
2 x 4 ceiling tile	Library wing	part of ≈5,000 SF	D	N
2 x 2 ceiling tile	Lower level	≈15,000 SF	D	N
2 x 2 ceiling tile	1959 wing – main section either dotted or fissured halls 2x2 and in the rooms 2x4	≈10,000 SF	D	N
2 x 4 ceiling tile	1959 wing – main section either dotted or fissured halls 2x2 and in the rooms 2x4	≈13,000 SF	D	N
Window glazing	Windows in lower level and hallway to lower level	≈40 LF per window	D	N

Analytical Results:

Sample ID	Material	Location	Composition	%
34031-1	Transite panel, exterior window wall below windows	At windows room 18 – Little School	*Chrysotile Non fibrous	15 85
34031-2	Transite panel, A wing hallway panels above corridor walls	Rear room 2 – Little School	*Chrysotile Non fibrous	20 80
34031-3	Window glazing, black	Room 15– Little School B wing	Non fibrous	100
34031-4	Window glazing, black	Room 18– Little School B wing	Non fibrous	100
34031-5	2x2 ceiling tiles	Library – Hood School	Mineral wool Cellulose Non fibrous	5 75 20
34031-6	2x2 ceiling tiles	Hall– Hood School	Mineral wool Cellulose Non fibrous	5 75 20
34031-7	2x4 ceiling tiles	Library– Hood School	Mineral wool Cellulose Non fibrous	5 75 20
34031-8	2x4 ceiling tiles	Bath– Hood School	Mineral wool Cellulose Non fibrous	5 75 20
34031-9	2x2 ceiling tiles	Resource room– Hood School	Mineral wool Cellulose Non fibrous	20 70 10
34031-10	2x2 ceiling tiles	Kindergarten 3– Hood School	Mineral wool Cellulose Non fibrous	20 70 10
34031-11	2x2 ceiling tiles, dotted	Hall – Hood School	Mineral wool Cellulose Non fibrous	10 70 20

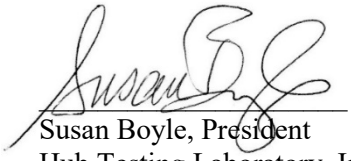
Sample ID	Material	Location	Composition	%
34031-12	2x2 ceiling tiles, fissured	Hall– Hood School	Mineral wool Cellulose Non fibrous	10 60 30
34031-13	2x4 ceiling tiles	Room 3 – Hood School	Mineral wool Cellulose Non fibrous	10 60 30
34031-14	2x4 ceiling tiles	Room 6 – Hood School	Mineral wool Cellulose Non fibrous	10 60 30
34031-15	Window glazing	Room 2 – Hood School	Non fibrous	100
34031-16	Window glazing	Pre-K – Hood School	Non fibrous	100

NVLAP 200090-0 MA ID #: AA000251

*Chrysotile is a common form of asbestos.

Condition: The samples were received in good condition.

Comment: Asbestos was detected in sample; 34031-1 and 34031-2. No asbestos was detected in the remaining samples submitted. This analysis pertains only to the samples analyzed. This report shall not be reproduced except in full, without the written approval of the laboratory.



Susan Boyle, President
Hub Testing Laboratory, Inc.
MA Asbestos Consulting Service Provider # AF57

B. Management Plan Documentation (AHERA Policies)

- Abatement Policy
- Training Policy
- Notification Policy
- Short Term Worker Policy
- Record Keeping Policy
- Designated Person Statement
- Assurance of Accreditation

Abatement Policy

It is the policy of the North Reading Public School District that asbestos removal, repair and/or O&M activities will be conducted by contract personnel. All contracted personnel will be licensed under the Commonwealth of Massachusetts and will be accredited thought the Environmental Protection Agency Model Accreditation Program.

ORGANIZATIONAL CHART

The following is an administrative/organizational chart identifying personnel involved with the asbestos operations and maintenance program (O&M) at this facility:

Name	Title	Phone Number
Andrew "Sonny" Campagna	Designated Person	978-526-5253
Hub Testing Laboratory	Contracted Inspector Management Planner Project Designer Project Monitor	781-893-8330

1. Although these individuals will be responsible for the execution of the Operations and Maintenance Program for this facility, they will not perform any of the O&M functions themselves. Any work which will require the use of respiratory protection will be contractor to licensed training abatement workers.

2. An outside contractor(s) under the direction of the Designated Person and the certified Abatement Project Designer will conduct the worker and Emergency Response Team responsibilities.

3. If unable to contact the above parties, coordination should be conducted through the Director of Finance and Operations, Mr. Michael Connelly.

DESIGNATED PERSON'S RESPONSIBILITIES

The Designated Person's responsibilities include the following:

a. Become knowledgeable of the results of the asbestos inspection.

b. Have a working knowledge and understanding of the Management Plan.

c. Ensure that all asbestos related activities are performed by appropriately trained individuals.

d. Employ the services of outside consulting and contract personnel to assist in the implementation of the Management Plan.

e. Comply with all federal, state and local regulations.

CUSTODIAL AND MAINTENANCE STAFF RESPONSIBILITIES

The custodial and maintenance staff responsibilities include:

a. Know and understand where ACBM is located in the building.

b. Be able to recognize material, which has become damaged and requires a response.

c. Know who the Designated Person is.

d. Help to verify that the outside contractors do not damage an in-place ACBM.

e. Notify the Designated Person of any observed changes to an existing ACBM.

PROHIBITED WORK/MAINTENANCE ACTIVITIES

All employees are prohibited from the following activities

a. Holes must not be drilled into asbestos-containing materials except where previously described using proper procedures.

b. Plants or pictures must not be hung on structures covered with asbestos-containing materials

c. Do not saw, sand or drill asbestos-containing floor tile except where previously described using proper procedures.

d. Do not damage asbestos-containing materials while moving furniture or other objects.

e. Do not install curtains, drapes, or dividers in such a way that they damage asbestos containing materials.

f. Do not dust floors, ceilings, molding, or other surfaces in asbestos-contaminated environments with a dry brush or sweep with dry broom.

g. Do not use an ordinary vacuum to clean up asbestos-containing debris.

h. Do not remove asbestos-containing ceiling tiles.

i. Do not remove ventilation system filters while dry.

j. Do not shake ventilation system filters.

When non-friable ACBM is likely to become friable as a result of activities performed in the building, the material must be treated as if it were friable.

RESPONSE PROCEDURES IN DISASTROUS SITUATIONS

In disastrous situations such as tornadoes, fires, floods and earthquakes; asbestos containing materials may suffer significant damage and therefore release asbestos fibers and pose immediate hazards to human health and environment. The following procedures should be followed in these situations:

a. Protect yourself from immediate danger before following any asbestos response procedures.

b. Remove unauthorized personnel and restrict access.

c. As soon as the immediate emergency has passed, vacate the area.

d. Contact the Designated Person or his/her assistant and follow their instructions.

e. The Designated Person will be responsible for contacting the Response Team or an asbestos abatement contractor and must issue a work permit order before the start of any asbestos abatement procedures.

f. The Designated Person shall notify state and local authorities when required.

g. The contractor must immediately take all measures to vacate the area of unauthorized personnel, put up warning and danger signs, and rope-off or close off the area.

h. The Designated Person and his/her agent (Project Monitor) shall oversee a post-work inspection to assure that all asbestos-containing materials have been properly removed or repaired and cleaned-up prior to re-occupancy.

Training Policy

The North Reading Public School District will ensure that all personnel associated with asbestos related activities have the appropriate training as specified by the U.S. EPA, Title 40 CFR Part 763, "Model Accreditation Plan."

A. TRAINING PROGRAM

The key element in initiating and carrying out this Asbestos Operations and Maintenance Plan is the building custodial and maintenance staff. This group is responsible for daily awareness of ACM as they perform their tasks. The custodial and maintenance staff will report any indication of potential problems resulting from changes of, ACM condition, area use, or in maintenance practices. The custodial and maintenance staff will receive the 2-Hour Awareness Training. The following elements should be presented in the training programs:

Custodial and Maintenance Personnel

a. Introduction – General background on asbestos, common uses of asbestos in building materials, explanation of the Asbestos Operations and Maintenance Plan, abatement efforts to date, etc.

b. Medical/Mechanisms for Exposure – Condensed version of medical review from the 16 hour "Operations and Maintenance" training, along with similar mechanisms for exposure, with emphasis on fiber entrainment mechanisms.

c. Location of ACBM and Presumed ACBM

d. Recognition of damage, deterioration and delamination of ACBM.

e. Name and telephone number of the Designated Person.

School Administration and School Committee

School Administration and School Committee shall attend training on an as requested basis

Same as above however special attention will be made to the Administrations responsibility of oversight of potential asbestos concerns in their schools. As well as the school committee's attention drawn to the potential for other pre-planned activities impact on asbestos containing materials within the schools.

In-house IT and contracted IT Personnel

Same as above, however special attention will be made to the potential asbestos concerns regarding running wires, drilling through walls, disturbing ceiling tiles and other building materials they may come in contact with in their daily operations.

B. TRAINING UPDATE

Training update sessions should be provided periodically. The updating sessions should include all items listed in paragraph A – Training Program, plus any new problems, which may have arisen between sessions.

All custodial and maintenance staff and the Custodial and Maintenance Supervisors as well as IT Personnel shall attend the updated in-service training annually.

The School Administration shall attend the update in-service training as necessary.

All training records should be kept with the Asbestos O&M Plan.

C. NEW EMPLOYEE TRAINING

Each new employee will be trained in asbestos 2-Hour Awareness Training as part of his/her orientation program within 60 days of hire.

Each new employee will be given a tour of the areas where ACM is located.

All training records should be kept with the AHERA record keeping program.

D. REQUIRED AND RECOMMENDED* TRAINING COURSES FOR EMPLOYEES INVOLVED IN THE O&M PLAN

Custodial & Maintenance Personnel	2-Hour Awareness Training
*IT Professionals	2- Hour Awareness
*School Administration	2-Hour Awareness
Custodial & Maintenance Personnel who will impact know and suspect ACBM	16-Hour Associated Worker Training
Designated Person	LEA Designated Person/Asbestos Coordinator Training

*recommended; however not mandated by regulation.

E. APPROVED ASBESTOS TRAINING SOURCES

Providers Name	City/State	Phone Number
(Awareness Training)		
Hub Testing Laboratory	**Waltham MA**	**781-893-8330**
(Associated Worker Training)		
Institute for Environmental Education	**Wilmington MA**	**978-658-5272**
(Designated Person Training)		
Institute for Environmental Education	**Wilmington MA**	**978-658-5272**

Notification Policy

Notification of asbestos containing materials and associated activates will take place in three forms; a notification to occupants as to the availability of the AHERA Inspections and Management plan, an update on asbestos related activities within the schools and a notification as to the potential for asbestos containing materials to be present in routine mechanical spaces.

A. Availability of the AHERA Inspection and Management Plan.

Annually the parents, guardians, employees and occupants will be notified as to the availability of the Asbestos Hazard Emergency Response Act Asbestos Inspections and Management Plan.

This notification will be conducted through:

A notice in the annual calendar sent out at the beginning of the school year.

B. Update of asbestos related activities.

Annually the parents, guardians, employees and occupants will be notified as to the current status of asbestos related activities in the schools. This will cover items such as periodic surveillance, inspections, and abetment activities.

This notification will be conducted through:

A posting of a general bulletin on the School Departments web site.

C. Location of asbestos containing materials in routine maintenance areas.

The presence of asbestos containing materials will be posted in routine maintenance areas.

This notification will be conducted through:

The placement of yellow warning stickers adjacent to or near asbestos containing materials. These will be areas such as crawlspaces, boiler rooms and electrical equipment spaces. The stickers will be standard manufactured in a bright yellow color. The wording shall be “Caution. Asbestos. Hazardous. Do Not Disturb Without Proper Training and Equipment.”

Short Term Workers Policy

All short term workers who may come in contact with known or suspect asbestos containing materials should be made aware of the presence of asbestos in the North Reading Public School District and adjust their work accordingly. If they feel their work may impact upon asbestos in the school buildings, they should be in direct contact with the Designated Person to verify the possibility. If this is the situation the asbestos consultant should be called to confer or redirect activity so as not to disturb ACBM.

SHORT TERM WORKER
(Tel. repair personnel, plumbers, heating contractors etc.)

Name	Company	Date	Reason For Work	Have You Reviewed The Location Of ACBM Or Suspect ACBM	Will Your Work Impact ACBM Or Suspect ACBM

*If your work in the building has the potential of impacting asbestos containing materials contact Andrew Campagna at (978) 526-5253.

Record Keeping Policy

All records associated with asbestos related activities in the North Reading Public School District will be maintained in the Buildings and Grounds Office located at 189 Park Street, North Reading, MA 01864. All records associated with asbestos related activities as they pertain to individual schools will be maintained in each schools central office in a central location.

The following records are required to be maintained for each type of activity:

Preventative Measure and Response Action for Friable and Non-Friable

A. A detailed written description of measures or action taken.
Including:
B. Method used
C. Reason for choosing method
D. Start and completion dates
E. Name and addresses of all contractors involved
F. State accreditation and accreditation numbers
G. Name an location of disposal facility

For Any Air Samples That Are Collected For Completion Purposes

A. Name and signature of any person collecting completion air samples
B. Location where samples were collected
C. Date of collection
D. Name and address of laboratory analyzing samples
E. Date of analysis
F. Results of analysis
G. Method of analysis
H. Name and signature of person performing analysis
I. Laboratory compliance with accreditation requirements

For Each Persons Required To Be Trained Under Section 763.92 (A) (1) (2) (Awareness And Associated Worker Training)

A. Person's name
B. Job title
C. Date training was conducted
D. Location of the training
E. Number of hours of training completed

For Each Time That Periodic Surveillance Is Conducted

A. Name of person performing surveillance
B. Date of surveillance
C. Any changes in the condition of the known or assumed asbestos containing materials

For Each Time Cleaning Is Performed Under 763.91 c

A. Person performing cleaning,
B. Date of cleaning
C. Location cleaned
D. Method used to clean

For each O&M activity is conducted

A. Name of each person involved in activity
B. Start and completion date of activity
C. Location where activity occurred
D. Description of activity
    i. including
F. Preventative measures used
G. If ACBM is removed name and location of disposal facility

For Each Major Abatement Activity

H. Name and signature of each person performing activity
I. State and number of accreditation of each person performing activity
J. Start and completion date
K. Location where activity occurred
L. Description of activity including preventative measures
M. Name and location of disposal facility

For Each Fiber Release Episode

A. Date of episode
B. Location of episode
C. Method of repair
D. Preventative measures or response action taken
E. Name of each person performing work
F. Name and location of disposal facility

In addition copies of notifications made to parents, guardians, employees and occupants will be maintained. This will be copies of the annual calendars sent out at the beginning of the school year as well as any postings placed on each bulletin board.

Mr. Andrew Campagna
Designated Person
Director of Facilities
North Reading Public School District
189 Park Street
North Reading, MA 01864

As Designated Person for the North Reading Public School District, I will hereby:

- Ensure that activities of any persons that perform inspections, re-inspection, and periodic surveillance, develop and up date Management Plans, and implement response actions, including operations and maintenance activities, are carried out in accordance with 40 CFR Part 763 Subpart E.
- Ensure that all custodial and maintenance employees are properly trained as required by 40 CRF Part 763 Subpart E and other applicable federal and/or state regulations (e.g., the OSHA standards for construction, EPA worker Protection Rule, and/or applicable state regulations).
- Ensure that workers and building occupants or their legal guardians are informed at least once each year about inspections, response actions, and post response action activities including periodic re-inspection and surveillance activities that are planned or in progress.
- Ensure that short term workers (e.g., telephone repair workers, utility workers, computer wiring technicians, exterminators, etc.) who may come into contact with asbestos in a school are provided information regarding the location of ACBM and suspect ACBM assumed to be ACM.
- Ensure that warning labels are posted in accordance with 40 CFR Part 763.95.
- Ensure that Management Plans are available for inspection and notification of their availability has been provided as specified in the Management Plan and under 40 CFR Part 763.93 (g).
- Furthermore, I hereby state that I am/will be trained with a basic knowledge of:
    - Health effects of asbestos
    - Detection, identification and assessment of ACM
    - Options for controlling ACBM
    - Asbestos management programs
    - Relevant federal and state regulations concerning asbestos, including those in 40 CFR Part 763 Subpart E and those of the Occupational safety and Health Administration, US Department of Labor, the US Department of Transportation and the US Environmental Protection Agency.

_____
Mr. Andrew Campagna
Designated Person
Supervisor of Building and Grounds
North Reading Public School District

Mr. Andrew Campagna
Designated Person
Director of Facilities
North Reading Public School District
189 Park Street
North Reading, MA 01864

As Designated Person of the North Reading Public School District, I hereby assure that all persons who have or will:

- Inspect for ACBM in school buildings,
- Prepare Management Plans for such buildings,
- Design response actions and/or abatement activities
  and/or
- Conduct response actions with respect to friable and non friable ACBM in such schools

shall be accredited as required by federal and state regulations.

_____
Mr. Andrew Campagna
Designated Person
Supervisor of Building and Grounds

C. Credentials

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Michael Flanagan
Director

ASBESTOS INSPECTOR

SUSAN BOYLE
Eff.Date: 10/31/2024
Exp.Date: 10/31/2025
AI060146

Member C.O.N.E.S.

25





This is to certify that

Susan Boyle

16 Langdon Ave, Watertown, MA 02472
MA DLS Asbestos Inspector License# AI060146

has completed requisite training by Video Conference, and has passed an examination for reaccreditation as:

Asbestos Inspector Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
Zoom Video Conference
Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

July 8, 2024
Course Dates

July 08, 2024
Examination Date

24-5444-106-202989
Certificate Number

July 08, 2025
Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Michael Flanagan
Director

ASBESTOS MANAGEMENT PLANNER

SUSAN BOYLE
Eff.Date: 10/31/2024
Exp.Date: 10/31/2025
AP060147

Member C.O.N.E.S.

25





This is to certify that

Susan Boyle

16 Langdon Ave, Watertown, MA 02472

has completed the requisite training by Video Conference, and has passed an examination for reaccreditation

Asbestos Management Planner Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Zoom Video Conference

Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

July 22, 2024
Course Dates

24-5454-136-202989
Certificate Number

July 22, 2024
Examination Date

July 22, 2025
Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION