

Eliza B. Kirkbride School: Asbestos Hazard Report

The Philadelphia Regional Center for Children's Environmental Health has partnered with the Healthy Schools Initiative to analyze and report on public information regarding asbestos conditions in schools made available on the School District of Philadelphia's website.

This report is meant to communicate to parents, teachers, and staff the exposure risk at their school and help prioritize the removal of asbestos in high-risk exposure locations.

Our analysis is based on publicly available reports. We have not conducted inspections or verified the reports.

Key Findings:

- 57 teacher / student occupied spaces have asbestos containing material (ACM)
- 19 spaces had damaged ACM
- All 19 spaces contained friable ACM
- **Most** of these materials were scheduled to be abated

Our Recommendations:

- The School District scheduled the abatement for many damaged ACM identified during their latest inspection in May 2023. The School District did not abate damaged friable asbestos containing paint in the 2nd and 3rd floor Boys Restroom (see Table 1). We recommend this material to be abated immediately.
- The School District is required to regularly monitor the condition of their ACM by the EPA. We recommend the complete removal of friable ACM that have been repeatedly damaged and note that the School District has scheduled this step for most ACM in Kirkbride, as shown in the tables at the end of this report.



What is asbestos?

Asbestos is a fibrous material that is resistant to heat, water, and corrosion.

See this link for a comprehensive list: <https://prcceh.upenn.edu/asbestos>

What are the health effects of asbestos?

No immediate health impacts are expected from asbestos exposure in schools. However, breathing asbestos fibers in schools may increase the risk of developing cancer many years from now.

Children are very active, breathing more air while running and playing. Children take more breaths per minute than adults and are lower to the ground where asbestos fibers may settle. This puts them at an increased risk for asbestos exposure.

How are damaged asbestos containing materials managed?

Asbestos can be removed. Sometimes damaged materials are managed in place by patching, encapsulating (using a specially formulated paint-like coating) or building an enclosure around damaged and/or accessible materials. All of these are forms of abatement.

The Environmental Protection Agency requires all remaining asbestos containing material to be inspected by the school district every six months. This is documented in an Asbestos Hazard Emergency Response Act Report (AHERA Report).

Asbestos was used in materials in schools, including:

- Ceiling Tiles
- Floor Tiles
- Pipe Insulation
- Cement
- Paint and Caulk
- Soundproofing
- Fireproofing
- Plaster Materials

Are all asbestos containing materials of equal risk?

Some asbestos containing materials like ceiling and floor tiles have asbestos fibers imbedded in other materials. As long as they are not broken or damaged the asbestos fibers are not released into the air.

Some asbestos containing materials like insulation on pipe remains fibrous and can easily be released in the air when damaged.

Important Terms

Get to know these terms to make the most out of this report.

Damaged Asbestos Containing Material (ACM) can release asbestos fibers into the air.

Friable Materials can be reduced to a powder by applying hand pressure. **DO NOT TOUCH!**

Non-Friable materials are not easily damaged.

Significantly damaged materials are more than 10% damaged.

Abated ACM means repaired, removed, or reduced risk of exposure.

Detailed Review for Eliza B. Kirkbride School

This school has 64 spaces with asbestos containing materials. 57 of them are in teacher / student occupied spaces. The School District last inspected ACM in May 2023 and published the AHERA report in April 2024. Since then, the School District scheduled the abatement of many damaged ACM identified during this inspection.



We recommend that the school district immediately abate the damaged asbestos containing paint found in the 2nd and 3rd floor Boy's Restrooms. We recommend that the School District completely remove friable ACM that have been repeatedly damaged in the past. Abatement was scheduled in 2023, however the website does not confirm that the abatement was completed. A list of all the ACM in the school and their damage/abatement schedule can be found in the tables at the end of this report.

Information Reviewed to Make this Report:

The 2022/23 AHERA report from the School District of Philadelphia, and asbestos abatement notifications from the Office of the Controller Asbestos Project were reviewed.

Not included in this report are planned repairs to damaged asbestos materials that have not been uploaded to the Office of the Controller website or any updated after May 21, 2024. To see the most current information, scan these QR Codes. After scanning, search for your school.

School Districts of Philadelphia Asbestos Reports:



AHERA Reports are documents generated from EPA required asbestos inspections

Office of the Controller Asbestos Project:



Asbestos abatement notification forms



Report what you see!

Parents and teachers should report hazardous conditions in schools on the Healthy Schools app.

Scan here to download the app:



Disclaimer:

This report analyzes custodial and mechanical spaces like boiler rooms **only** when ACM is significantly damaged (damage > 10%).

Questions?

Find more resources on our website!

- Photo gallery of different types of damaged asbestos containing materials
- Guide to how we classify materials in schools
- Our analysis and reporting methodology
- What we do with the information in this report

prcceb.upenn.edu/asbestos



Email us at prcceb@penmedicine.upenn.edu or call 215-573-9076

Table 1: Friable Asbestos Containing Materials Identified

NOTE: Friable materials can be reduced to a powder by applying hand pressure. ***Do not touch it!*** Damaged and significantly damaged friable materials readily release harmful asbestos fibers into the air.

Location	Friable Asbestos Containing Material	Reported as Damaged or Significantly Damaged? (Blank = No)	Abatement scheduled since the inspection? (Blank = No)
Classroom 101 Restroom	Pipe Insulation 2-6 inch	Damaged. Previously damaged in 2018.	Complete removal planned Dec 2023.
Classroom 103 Front Closet	Pipe Insulation 2-6 inch		
Pipe Shaft closet in the Front Closet in Classroom 103	Pipe Insulation >6 inches		
Classroom 104 Restroom	Pipe Insulation 2-6 inch	Damaged. Previously damaged in 2018.	Complete removal planned Dec 2023.
Custodial Closet outside Classroom 104	Pipe Fitting Insulation		
Custodial Closet outside Classroom 104	Pipe Insulation 2-6 inch		
Classroom 106 Coat Closet	Pipe Insulation 2-6 inch	Damaged.	Partial removal planned Dec 2023.
Custodial Closet outside Classroom 106	Pipe Fitting Insulation		
Custodial Closet outside Classroom 106	Pipe Insulation 2-6 inch		
Classroom 108 Coat Closet	Pipe Insulation 2-6 inch	Damaged. Previously damaged in 2018.	Complete removal planned Dec 2023.
Classroom 109 Storage Closet	Pipe Insulation 2-6 inch	Damaged.	Complete removal planned Dec 2023.
Classroom 110 Storage Closet	Pipe Insulation 2-6 inch		
Kindergarten Restroom by Classroom	Paint associated with Wall, CMU		
Kindergarten Restroom by Classroom	Pipe Insulation 2-6 inch		
Kindergarten Restroom by Classroom	Pipe Fitting Insulation		
Pipe Chase in Restroom 120	Pipe Fitting Insulation		
Classroom 201 Storage Closet	Pipe Insulation 2-6 inch	Damaged.	Complete removal planned Dec 2023.
Classroom 204 Storage Closet	Pipe Insulation 2-6 inch		
Classroom 208 Closet	Pipe Insulation 2-6 inch	Damaged.	Complete removal planned Dec 2023.

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Classroom 209 Closet	Pipe Insulation 2-6 inch		
Classroom 210 Closet	Pipe Insulation 2-6 inch		
Classroom 211 Closet	Pipe Insulation 2-6 inch	Damaged.	Complete removal planned Dec 2023.
Classroom 212 Closet	Pipe Insulation 2-6 inch		
Boy's Restroom	Paint associated with Wall, CMU	Damaged.	
Boy's Restroom	Pipe Insulation 2-6 inch		
Boy's Restroom	Pipe Fitting Insulation		
Custodian's Closet by Room 208	Pipe Fitting Insulation		
Custodian's Closet by Room 208	Pipe Insulation 2-6 inch		
Classroom 304 Closet	Pipe Insulation 2-6 inch	Significantly damaged.	Complete removal planned Dec 2023.
Classroom 304 Closet	Pipe Insulation 2-6 inch		
Classroom 308 Closet	Pipe Insulation 2-6 inch	Significantly damaged. Previously damaged in 2018.	Complete removal planned Dec 2023.
Classroom 308 Closet	Pipe Insulation 2-6 inch		
Classroom 309 Closet	Pipe Insulation 2-6 inch		
Classroom 310 Closet	Pipe Insulation 2-6 inch		
Classroom 311 Closet	Pipe Insulation 2-6 inch		
Classroom 312 Closet	Pipe Insulation 2-6 inch		
Classroom 312 Closet	Pipe Insulation 2-6 inch		
Boy's Restroom	Paint associated with Wall, CMU	Damaged.	
Gymnasium Office	Pipe Fitting Insulation	Significantly damaged.	Complete removal planned Dec 2023.
Gymnasium Storage Closet	Pipe Insulation 2-6 inch		
Gymnasium Storage Closet	Pipe Fitting Insulation		
Gymnasium Office Teacher's Restroom	Pipe Insulation 2-6 inch		
Gymnasium Office Teacher's Restroom	Pipe Fitting Insulation		
Gym Teacher Restroom Pipe Chase	Pipe Fitting Insulation	Significantly damaged. Previously significantly damaged in 2016.	Complete removal planned Dec 2023.
Engineer's Office/Teacher Lounge	Paint associated with Wall, CMU		
Engineer's Office/Teacher Lounge	Pipe Fitting Insulation		
Room next to Pump Room	Paint associated with Wall, Concrete		
Kitchen/Cafeteria with Walk-in Freezer	Pipe Fitting Insulation	Significantly damaged.	Complete removal planned Dec 2023.
Cafeteria	Heat Shield Insulation		
Gymnasium Storage Room	Pipe Fitting Insulation	Significantly damaged. Previously damaged in 2016.	Complete removal planned Dec 2023.
Gymnasium Storage Room	Pipe Insulation >6 inches		
Gymnasium Storage Room	Pipe Insulation 2-6 inch	Damaged. Previously damaged in 2012, 2016, and 2022.	Complete removal planned Dec 2023.
Mechanical Room Boiler Room	Pipe Insulation >6 inches		
Mechanical Room Boiler Room	Pipe Insulation 2-6 inch	Damaged. Previously significantly damaged in 2016 and 2018.	Complete removal planned Dec 2023.
Mechanical Room Boiler Room	Pipe Fitting Insulation	Significantly damaged. Previously damaged in 2016, 2018, and significantly damaged in 2022.	Complete removal planned Dec 2023.
Fan Room (HVAC Blowers)	Seam Packing associated with Duct		
Fan Room (HVAC Blowers)	Pipe Insulation >6 inches	Damaged. Previously significantly damaged in 2016 and 2018.	Complete removal planned Dec 2023.

Fan Room (HVAC Blowers)	Pipe Insulation 2-6 inch	Damaged. Previously significantly damaged in 2016 and 2018. Damaged in 2022.	Partial removal planned Dec 2023.
Fan Room (HVAC Blowers)	Pipe Fitting Insulation	Significantly damaged. Previously significantly damaged in 2016 and 2018.	Complete removal planned Dec 2023.
Girl's Restroom	Pipe Insulation 2-6 inch		
Girl's Restroom	Pipe Fitting Insulation		
Boy's Restroom	Pipe Insulation 2-6 inch		
Boy's Restroom	Paint associated with Wall, CMU		
Engineer's Office/Teacher Lounge	Pipe Fitting Insulation	Significantly damaged.	Partial removal planned Dec 2023.
Engineer's Office/Teacher Lounge	Paint associated with Wall, CMU		
Hallway by the Gym	Pipe Fitting Insulation	Significantly damaged.	Complete removal planned Dec 2023.
Storage closet in hallway 01	Pipe Fitting Insulation		
Hallway by the Building Engineer's Office and the Boy's and Girl's	Pipe Fitting Insulation		
Stairwell between the Cafeteria and Art Room	Heat Shield Insulation associated with Radiator Insulation		
Stairwell by Engineer's Office/Teachers Lounge	Pipe Fitting Insulation		
Stairwell between the Boy's and Girl's Restrooms	Heat Shield Insulation associated with Radiator		

Table 2: Non-Friable Asbestos Containing Materials Identified

NOTE: Significantly Damaged non-friable materials (damage ≥ 10% of the material) can release harmful asbestos fibers into the air.

Location	Material Name	Reported as Damaged or Significantly Damaged?	Abatement scheduled since the inspection?
Head Start Classroom 101	Glue Dots associated with Blackboard		
Classroom 102	Glue Dots associated with Blackboard		
Classroom 103	Glue Dots associated with Blackboard		
Classroom 104	Glue Dots associated with Blackboard		
Counselor's Office Room 105	Glue Dots associated with Blackboard		
Classroom 106	Glue Dots associated with Blackboard		
Room 107 Classroom	Glue Dots associated with Blackboard		
Classroom 107 Restroom	Floor Tile VAT 12" x 12"		
Classroom 108	Glue Dots associated with Blackboard		
Classroom 109	Glue Dots associated with Blackboard		
Classroom 110	Glue Dots associated with Blackboard		
Principal's Office	Floor Tile VAT 12" x 12"		
Principal's Office Restroom	Floor Tile VAT 12" x 12"		
Hallway from Classrooms 106 to 109	Glue Dots associated with Blackboard		
Main Hallway in Front of Main Office	Glue Dots associated with Blackboard		
Classroom 201	Glue Dots associated with Blackboard		
Classroom 202	Glue Dots associated with Blackboard		

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Classroom 203	Glue Dots associated with Blackboard		
Classroom 204	Sink Undercoat Mastic		
Classroom 204	Glue Dots associated with Blackboard		
Classroom 204	Floor Tile VAT 9" x 9"		
Classroom 204 Storage Closet	Floor Tile VAT 9" x 9"		
Classroom 205	Glue Dots associated with Blackboard		
Library	Glue Dots associated with Blackboard		
Classroom 208	Glue Dots associated with Blackboard		
Classroom 209	Glue Dots associated with Blackboard		
Classroom 210	Glue Dots associated with Blackboard		
Classroom 211	Glue Dots associated with Blackboard		
Classroom 212	Glue Dots associated with Blackboard		
Boy's Restroom	Transite associated with Gang Urinal Chase Lid		
Boy's Restroom	Transite associated with Stall		
Stairwell near Classroom 203	Vinyl Cove Base		
Classroom 301	Glue Dots associated with Blackboard		
Classroom 303	Glue Dots associated with Blackboard		
Classroom 304	Glue Dots associated with Blackboard		
Classroom 305	Glue Dots associated with Blackboard		
Classroom 306	Glue Dots associated with Blackboard		
Classroom 307	Glue Dots associated with Blackboard		
Classroom 308	Glue Dots associated with Blackboard		
Classroom 309	Glue Dots associated with Blackboard		
Classroom 310	Glue Dots associated with Blackboard		
Classroom 311	Glue Dots associated with Blackboard		
Classroom 312	Glue Dots associated with Blackboard		
Boy's Restroom	Transite associated with Stall,		
Art Room	Floor Tile VAT 12" x 12"		
Art Room	Glue Dots associated with Blackboard		
Art Room	Mastic associated with Floor Tile		
Art Room	Floor Tile VAT 12" x 12"		
Art Room Storage Closet on Left	Mastic associated with Floor Tile		
Art Room Storage Closet on Left	Floor Tile VAT 12" x 12"		
Art Room Storage Closet On Right	Mastic associated with Floor Tile		
Art Room Storage Closet On Right	Floor Tile VAT 12" x 12"		
Mechanical Room Boiler Room	Boiler Rope		
Boy's Restroom	Transite associated with Stall		
Boy's Restroom	Transite associated with Gang Urinal Chase Lid		
Engineer's Office/Teacher Lounge	Floor Tile VAT 12" x 12"		
Engineer's Office/Teacher Lounge	Floor Tile VAT 12" x 12"		
Engineer's Office/Teacher Lounge	Floor Tile VAT 9" x 9"		
Engineer's Office/Teacher Lounge	Sink Undercoat Mastic		
Former Engineer's Office	Floor Tile VAT 12" x 12"		
Roof	Caulk associated with Louver		
Head Start Classroom 101	Glue Dots associated with Blackboard		