

# Davidson Asbestos Site, Davidson, Mecklenburg County, NC



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Federal On-Scene Coordinator  
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Time-Critical Removal

# Davidson Asbestos Site, Davidson, Mecklenburg County, NC



## Asbestos Mill

- Operated from the 1930s to 1960s
- Manufactured asbestos fabric, tile, and shingles
- Waste material disposed of on site
- No access controls at former mill
- 1980s – After complaints from residents Mecklenburg County Health Dept. required the owner to cap the disposal area

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September 2016 – Developer hosted a public meeting to discuss Davidson Depot plans with Town of Davidson

Citizens in attendance raised concern about asbestos contamination on their properties

In response to the citizens' concerns, the North Carolina Department of Environmental Quality (NC DEQ) requested that EPA conduct a Removal Site Evaluation (RSE) of the properties surrounding the former mill [Sept. 22]

On November 1, while conducting a site walk-thru, EPA observed asbestos-containing material (70% asbestos) migrating off of the former mill property along Eden Street and Sloan Street

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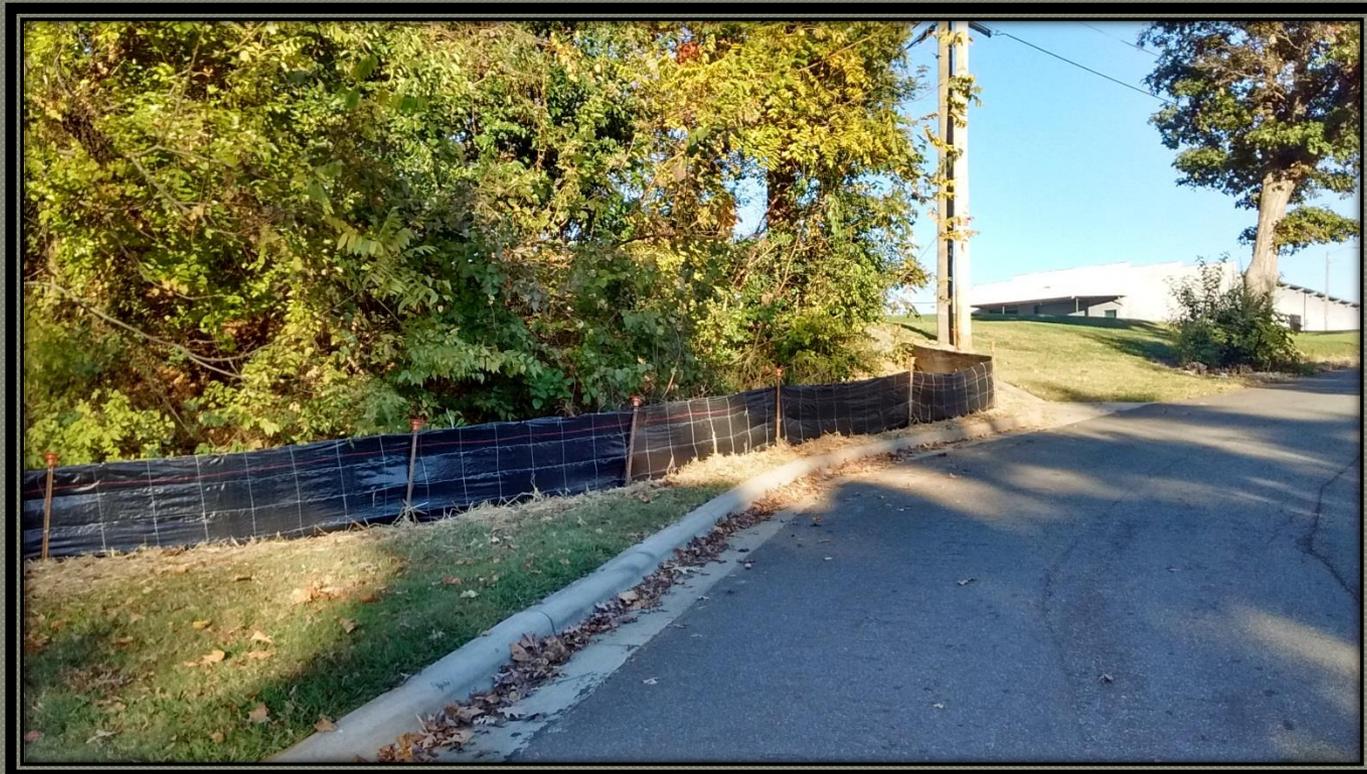
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EPA compelled the property owner to  
conduct a cleanup of the asbestos along  
Eden and Sloan Streets

Site stabilization efforts on the former mill  
property are being coordinated by NC  
DEQ

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EPA believes that asbestos contaminated surrounding properties by :

- Improper disposal and using asbestos-containing material to fill low-lying areas
- Aerial deposition that occurred during plant operation from lack of engineering controls on emissions and fugitive dust

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EPA developed a sampling strategy to assess surface soils and shallow subsurface (0" to 3" and 3" to 6" below ground surface)

EPA began collecting samples on residential properties and public areas in close proximity to the former asbestos mill

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## Sampling Summary Table:

	Sampling areas/ parcels	Number of samples collected	Non- Detect	Trace	0.25-1%	Greater than 1%	Parcels where EPA observed bulk asbestos-containing material
<b>TOTAL</b>	33	146	99	31	13	3	13

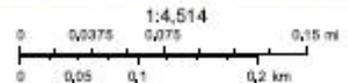
Trace – Less than 0.25%

Explain EPA Action Level – 0.25% to 1%

# Davidson Asbestos Site - 12/6/2016 Community Meeting



December 5, 2016



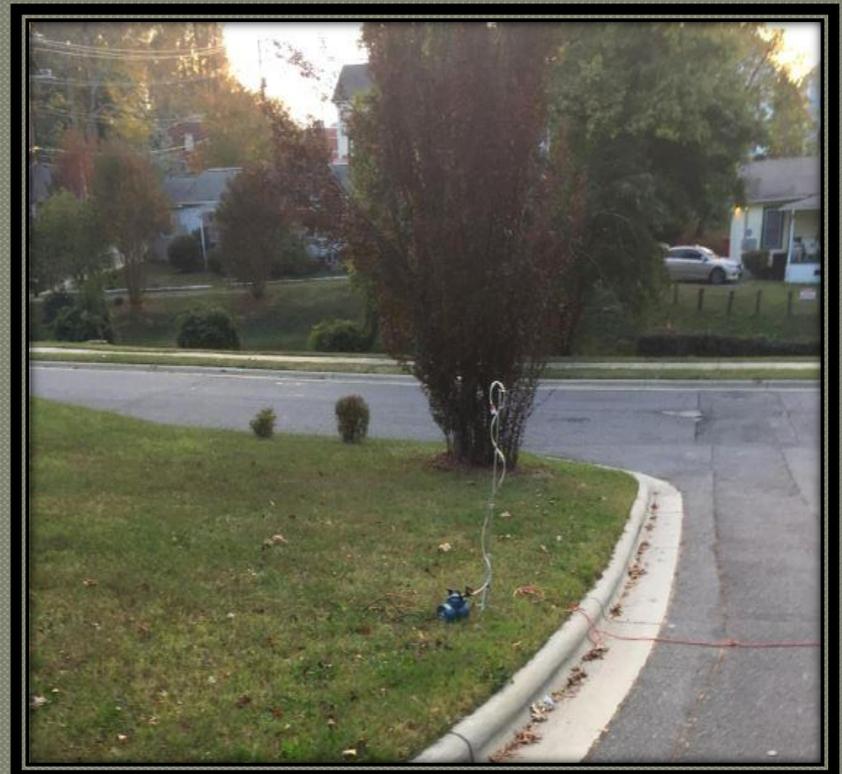
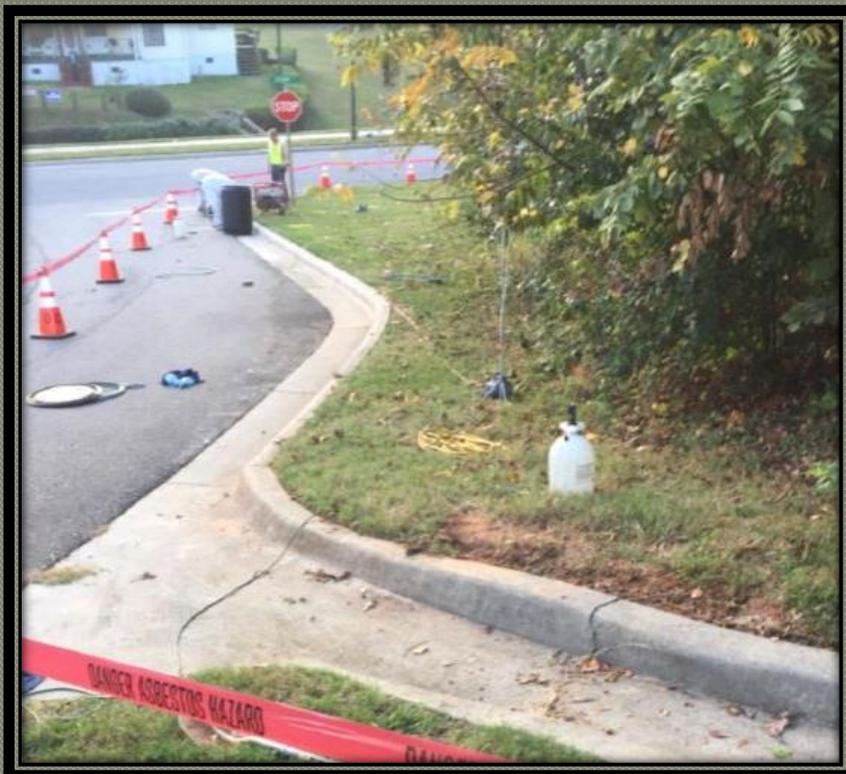
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- EPA conducted air sampling throughout the neighborhood
- Three days of sampling, five locations per day
- No asbestos fibers were detected in air samples.

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- EPA conducted soil sampling in the Roosevelt Wilson Park in the playground area. “Trace” asbestos was observed in two of the three soil samples. EPA provided sample results to Town of Davidson and the NC Department of Health and Human Services (DHHS).
- EPA collected an air sample from the playground area and access was restricted while awaiting results.
- No asbestos fibers were detected in the air sample and DHHS recommended that the access restriction on the playground be lifted.

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After observing asbestos-containing material (ACM) and evaluating sample result data, EPA initiated an emergency response and began wetting/dust control operations.

EPA recommended that the bus stop on Sloan Street be relocated due to its close proximity to observed ACM along the slope of the former mill property.

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EPA is developing a interim action strategy to further reduce threats of exposure.

Meanwhile, wetting/dust control will continue and EPA is recommending that residents refrain from activities that disturb surface soils; *e.g.* mowing, leaf blowing, gardening.

EPA also recommends that residents remove shoes prior to entering their home.

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- EPA will continue to conduct sampling in the surrounding area.
- EPA is still seeking access agreements from some property owners.
- It is important that EPA gets everyone's cooperation before long-term removal begins, as this is a community-wide problem.

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Interim Action is expected to be  
implemented in January 2017

Long term options are currently being  
evaluated