NYC 9/11 Public Portal Document

N/M - misc in

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THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Environmental Compliance

Air Monitoring in Lower Manhattan

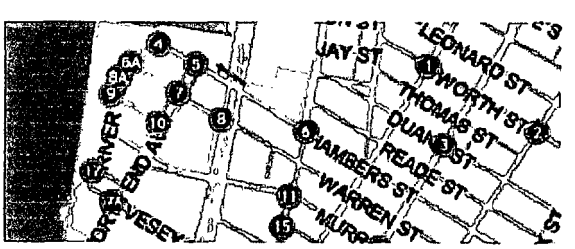
DEP is monitoring the ambient outdoor air for asbestos. This effort is augmenting ambient air asbestos sampling being done by the EPA and other state and city agencies. There is currently no outdoor ambient standard for asbestos. The US and NYC standard for asbestos in community and residential buildings is 0.01 fibers/cubic centimeter (f/cc) in indoor air. An indoor area which has had asbestos detected and then removed must show that air samples are at or below the 0.01 f/cc standard before the indoor area can be re-occupied. Although we are monitoring the ambient outdoor air, we are using this value as a way to characterize the levels of asbestos in the air. Since the measurement protocol used, phase contrast microscopy (PCM), counts fibers, we are doing an additional analysis for all samples that are above 0.01 f/cc. This measurement protocol is called transmission electron microscopy (TEM) and counts the number of asbestos fibers in the sample. Our TEM results will be added shortly. EPA is reporting their data in TEMs, and provides a good explanation of the interpretation of the standard that uses this methodology on their website.

Results indicate that, as expected, asbestos is present in some of the debris at the site and in areas very close to the site. As of September 28, 2001, most air sampling results outside the security zone were below the standards for asbestos in indoor air.

As testing continues, there may be the possibility of occasional short-term increases in levels of asbestos in the air above the residential standard of 0.01 fibers per cubic centimeter of air. When the measured level for the outdoor ambient air is above .01 f/cc, the samples will be analyzed to determine how many of the fibers are actually asbestos fibers.

To view recent air monitoring results, click on a sampling location below or on the map:

Sampling Site Location			
1	W.BROADWAY & WORTH ST	19	VESEY & WEST ST.
2	BROADWAY & WORTH ST	20	VESEY BETWEEN CHURCH & GREENWICH ST.



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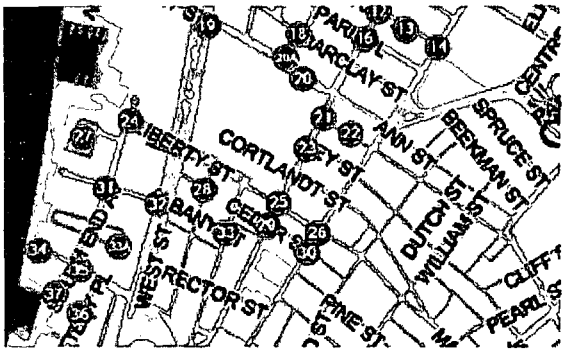
3	DUANE ST. & TRIMBLE PLACE		
4	RIVER TERRACE & CHAMBERS ST	20A	VESEY & WEST BROADWAY
5	CHAMBERS & NORTH END AVE	21	FULTON & CHURCH ST.
6	GREENWICH & CHAMBERS ST.	22	FULTON BETWEEN CHURCH & BROADWAY
6A	WEST END OF WARREN STREET	23	CHURCH & DEY
7	WARREN ST & NORTH END AVENUE	24	LIBERTY STREET & SOUTH END AVE
8	WEST ST & WARREN ST.	25	LIBERTY & CHURCH ST.
8A	RIVER TERRACE PARK AREA BETWEEEN PARK PL & WARREN	26	LIBERTY & BROADWAY
9	RIVER TERRACE & PARK PL WEST	27	GATEWAY PLAZA PARK AREA
10	NORTH END AVE & PARK PL WEST	28	WASHINGTON & CEDAR ST.
11	MURRAY & GREENWICH ST.	29	TRINITY PL. & THAMES ST.
12	MURRAY & CHURCH ST.	30	CEDAR & BROADWAY
13	MURRAY BETWEEN CHURCH & BROADWAY	31	SOUTH END AVE & ALBANY ST
14	BROADWAY & MURRAY ST	32	WEST ST & ALBANY
15	PARK PL. & GREENWICH	33	ALBANY & GREENWICH
16	PARK PL. & CHURCH	33A	RECTOR PL BY THE PARK
17	RIVER TERRACE & VESEY ST	34	W. THAMES ST - ALONG WATERFRONT
17A	NORTH END AVE & VESEY ST.	35	SOUTH END AVE. & THAMES ST.
18	BARCLAY & WEST	36	THIRD PL & BATTERY PL -



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BROADWAY		WATERSIDE
	37	WEST OF THIRD PL (SOUTH COVE APARTMENT)

Last updated October 17, 2001

Environmental Compliance

- *Air monitoring in Lower Manahattan*
  - Air Monitoring Data
- Certified Asbestos Investigators, Contractors and Firms
- Asbestos Rules and Regulations
- Asbestos Abatement Activity Forms

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