

NYC Response

Asbestos Air Sampling Results at Fixed Locations

Sampling Date and Time: 10/11/01 (00:01) to 10/11/01 (12:00)

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ³	f/cc	Structures (S)*		S/mm ²	S-f/cc*
							0.5µ-5µ	>5µ		
10/11/2001	17550	A	1440	Air	NA	NA	0	0	<15.50	<0.0041
10/11/2001	17551	B	1440	Air	30.57	0.008	0	0	<15.50	<0.0041
10/11/2001	17552	C1	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/11/2001	17555	D	1440	Air	8.92	0.002	0	0	<15.50	<0.0041
10/11/2001	17559	E	1440	Air	8.92	0.002	0	0	<15.50	<0.0041
10/11/2001	17560	F	1440	Air	26.75	0.007	0	0	<15.50	<0.0041
10/11/2001	17554	H	1440	Air	7.64	0.002	0	0	<15.50	<0.0041
10/11/2001	17553	I	1440	Air	11.46	0.003	0	0	<15.50	<0.0041
10/11/2001	17563	J	1440	Air	10.19	0.003	0	0	<15.50	<0.0041
10/11/2001	17556	K	1420	Air	<7.0	<0.002	0	0	<15.50	<0.0042
10/11/2001	17566	L	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/11/2001	17565	M1	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/11/2001	17564	N	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/11/2001	17558	P	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/11/2001	17561	Q	1440	Air	10.19	0.003	0	0	<15.50	<0.0041
10/11/2001	17562	Q Dup	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/11/2001	17557	S	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041

coeff 04100

Sampling Locations:

- A: NE corner of West Broadway & Barclay
 B: SE corner of Church & Dey St.
 C: Trinity (a.k.a. Church) & Liberty
 C1: SW corner of Broadway & Liberty St.
 D: East end of Albany St. at Greenwich St.
 E: Western end of Liberty St. at South End Ave
 F: Northern median strip of Vesey & West St
 G: Church and Duane St.
 H: South side of Chase Manhattan Plaza at Pine St.
 I: SE corner of Wall St. & Broadway
 J: NE corner of Warren & West St.
 K: West St. & Albany in median strip
 L: On walkway toward North Park rec area (north side of Stuyvesant High), access to TAGA bus area
 M: Western end of Harrison St. at West St. (on tree next to bulkhead)
 M1: West St. - 50 yards south of Harrison St. at bulkhead
 N: South side of Pier 25 (next to volleyball court)
 P: NE corner of South End Ave. & Albany
 Q: Barclay & West St. (center island) in proximity to USCG command post
 R: TAGA Bus Location
 S: Rector & South End

NS: Not sampled

*Structure (S) roughly equivalent to fiber (f)

NR: Not requested

NA: not analyzed due to overloading of particulates

ERT: 10/12/01 09:50 AM

NIOSH 7400: Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA)

Standard criteria: EPA 40CFR Part 763 (AHERA): 0.01 fiber/cc (PCM), 70 S/mm², volume 1200 L, for 25 mm filter (TEM)

FL-10-1*

CITY_21MC100_010170088

**NYC Emergency Response
Asbestos Air Sampling Results NYC ER/NJ DEP**

Date		Sampling	Sample		PCM by NIOSH 7400		TEM (AHERA)			
Sampled	Sample No.	Location	Volume	Matrix	f/mm ²	f/cc	0.5µ - 5µ	5µ	S/mm ²	S~f/cc*
							S (#)			
10/10/01	01991	Liberty Park	480	Air	<7.0	<0.006	0	0	<6.15	<0.0049
10/10/01	01992	CITGO Terminal	480	Air	<7.0	<0.006	0	0	<6.15	<0.0049
10/10/01	01993	FMC Terminal	480	Air	7.01	<0.006	0	0	<6.15	<0.0049
10/10/01	01994	Shell Terminal	480	Air	<7.0	<0.006	0	0	<6.15	<0.0049

coc#04189

PCM: Phase Contrast Microscopy by NIOSH 7400

TEM: Transmission Electron Microscopy (TEM) EPA 40CFR Part 763 (AHERA). Sample volume is below recommended limit of the method.

*Structure (S) roughly equivalent to Fiber (f)

Standard criteria: EPA 40CFR Part 763 (AHERA): 0.01 fiber/cc (PCM), 70 S/mm², Volume 1200 L, for 25 mm filter (TEM)

Sampling Location	Period in which samples were collected and retrived	
	Sampling Times	
Liberty Park	1310 (10/10/01) - 2110 (10/10/01)	
CITGO Terminal	1355 (10/10/01) - 2155 (10/10/01)	
FMC Terminal	1425 (10/10/01) - 2225 (10/10/01)	ERT: 10/12/01 09:50 AM
Shell Terminal	1440 (10/10/01) - 2240 (10/10/01)	

DEP-10-10-01

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