

NYC Response

Asbestos Air Sampling Results for Staten Island Landfill

Sampling Date and Time: 10/09/01 0630 to 10/09/01 2000

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)		S/mm ²	S~f/cc*
							0.5µ - 5µ	5µ		
10/09/01	02996	P Loc # 1	540	Air	<7.0	<0.005	4**	0	32	0.0228
10/09/01	02997	P Loc # 2	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/09/01	02998	P Loc # 3	720	Air	<7.0	<0.004	2**	0	17.78	0.0095
10/09/01	02999	PLoc # 4	720	Air	<7.0	<0.004	1**	0	8.89	0.0048
10/09/01	03000	PLoc # 5	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/09/01	03001	P Loc # 6	720	Air	<7.0	<0.004	1**	0	8.89	0.0048
10/09/01	03002	P Loc # 7	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/09/01	03003	PLoc # 8	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/09/01	03004	S Loc # 9A	700	Air	<7.0	<0.004	1**	0	8.89	0.0049
10/09/01	03005	S Loc # 9B	720	Air	<7.0	<0.004	1**	0	8.89	0.0048
10/09/01	02995	S Loc # 9C	317.4	Air	<7.0	<0.008	0	0	<8.89	<0.0108
10/09/01	03006	S Loc # 10 A	856	Air	7.84	0.003	0	0	<8.89	<0.0040
10/09/01	03007	S Loc # 10 B	453.5	Air	<7.0	<0.006	1**	0	8.89	0.0075
10/09/01	03008	B Loc # 13	715	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/09/01	03009	B Loc # 14	715	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/09/01	03010	W Loc # 11	857	Air	7.64	0.003	0	1**	8.89	0.0040
10/09/01	03031	W Loc # 12	720	Air	14.01	0.007	2**	0	14.55	0.0078

coc# 04616

** Chrysotile

NS: Not sampled

Sample volume is below recommended limit of the method:

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

NA: not analyzed due to overloading of particulates

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)

ERT: 10/15/01 9:50 AM

FK-10-09-01

Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Time: 10/13/01 0600 to 1900

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)		S/mm ²	S~f/cc*
							0.5-5µ	>5µ		
10/13/01	03171	P Loc # 1	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03172	P Loc # 2	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03173	P Loc # 3	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03174	P Loc # 4	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03175	P Loc # 5	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03176	P Loc # 6	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03177	P Loc # 7	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03178	P Loc # 8	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03179	S Loc # 9A	701.7	Air	<7.00	<0.004	0	1**	8	0.0044
10/13/01	03180	S Loc # 9B	694.6	Air	<7.00	<0.004	0	0	<8.00	<0.0044
10/13/01	03181	S Loc # 9C	709.1	Air	<7.00	<0.004	0	0	<8.00	<0.0043
10/13/01	03182	S Loc # 10 A	698	Air	<7.00	<0.004	0	0	<8.00	<0.0044
10/13/01	03183	S Loc # 10 B	692	Air	<7.00	<0.004	0	0	<8.00	<0.0045
10/13/01	03184	W Loc # 11	704	Air	<7.00	<0.004	0	1**	8	0.0044
10/13/01	03185	W Loc # 12	720	Air	<7.00	<0.004	0	1**	8.89	0.0048
10/13/01	03186	B Loc # 13	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048
10/13/01	03187	B Loc # 14	720	Air	<7.00	<0.004	0	0	<8.89	<0.0048

cc# 04629

** Chrysotile; no other types of asbestos were detected.

NS: Not sampled

AF/ANF: Asbestos fibers/Non asbestos fibers

Sample volume is below recommended limit of the method:

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

NA: not analyzed due to overloading of particulates

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)

ERT: 10/15/01 9:50 AM

FK-10-13-01am

NYC Emergency Response
Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Time: 10/13/01 1800 to 10/14/01 0700

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)		S/mm ²	S~f/cc*
							0.5-5µ	>5µ		
10/13-14/2001	03191	P Loc # 1	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03192	P Loc # 2	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03193	P Loc # 3	600	Air	<7.0	<0.004	0	0	<8.00	<0.0051
10/13-14/2001	03194	P Loc # 4	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03195	P Loc # 5	720	Air	<7.0	<0.004	1**	0	8.89	0.0048
10/13-14/2001	03196	P Loc # 6	719.4	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03197	P Loc # 7	717	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03198	P Loc # 8	715.2	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03199	S Loc # 9A	-	Air	-	-	-	-	-	-
10/13-14/2001	03200	S Loc # 9B	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03201	S Loc # 9C	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03202	S Loc # 10 A	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03203	S Loc # 10 B	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03204	W Loc # 11	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03205	W Loc # 12	698	Air	12.74	0.007	0	0	<8.89	<0.0049
10/13-14/2001	03206	B Loc # 13	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/13-14/2001	03207	B Loc # 14	720	Air	7.64	0.004	0	0	<8.89	<0.0048

coc# 04630

** Chrysotile; no other types of asbestos were detected.

NS: Not sampled

AF/ANF: Asbestos fibers/Non asbestos fibers

Sample volume is below recommended limit of the method:

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

NA: not analyzed due to overloading of particulates

**- No results as No sample volume was recorded

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)

ERT: 10/15/01 9:50 AM

FK-10-14-01

NYC Response

Asbestos Air Sampling Results at Fixed Locations

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

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)*		S/mm ²	S-f/cc*
							0.5µ-5µ	>5µ		
10/12/2001	05404	A	1440	Air	20.38	0.005	0	0	<15.50	<0.0041
10/12/2001	05405	B	1440	Air	39.49	0.011	0	0	<15.50	<0.0041
10/12/2001	05406	C 1	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05409	D	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05412	E	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05413	F	1440	Air	11.46	0.003	0	0	<15.50	<0.0041
10/12/2001	05407	H	1440	Air	10.19	0.003	0	0	<15.50	<0.0041
10/12/2001	05408	I	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05416	J	1440	Air	12.74	0.003	0	0	<15.50	<0.0041
10/12/2001	05415	J Dup	1440	Air	10.19	0.003	0	0	<15.50	<0.0041
10/12/2001	05410	K	1440	Air	8.92	0.002	0	0	<15.50	<0.0041
10/12/2001	05419	L	1440	Air	10.19	0.003	0	0	<15.50	<0.0041
10/12/2001	05418	M	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05417	N	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05414	Q	1440	Air	14.01	0.004	0	0	<15.50	<0.0041
10/12/2001	05411	S	1440	Air	11.46	0.003	0	0	<15.50	<0.0041
10/12/2001	05402	T	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05401	U	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041
10/12/2001	05403	V	1440	Air	<7.0	<0.002	0	0	<15.50	<0.0041

COC 04302

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
 T: Pier 6 Heliport
 U: Pier 6 Exit 2
 V: Pier 6 Bus Sign

NS: Not sampled

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

NR: Not requested

NA: not analyzed due to overloading of particulates

ERT: 10/15/01 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-10-12-01

NYC Emergency Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 10/13/01 0001 to 1200

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)*		S/mm ²	S~f/cc*
							0.5µ-5µ	>5µ		
10/13/2001	05495	A	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05496	B	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05497	C 1	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05500	D	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05485	E	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05486	F	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05498	H	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05499	I	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05494	J	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05481	K	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05491	L	1440	Air	<7.0	<0.002	1**	0	15.75	0.0042
10/13/2001	05492	M 1	1440	Air	10.19	0.003	0	0	<15.75	<0.0042
10/13/2001	05493	N	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05483	P	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05484	P DUP	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05487	Q	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05482	S	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05489	T	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05488	U	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/13/2001	05490	V	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042

coc#04039&40

**Chrysotile: No other types of asbestos fibers were found

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

NS: Not sampled
 *Structure (S) roughly equivalent to fiber (f)
 NR: Not requested
 NA: not analyzed due to overloading of particulates

ERT: 10/15/01 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-10-13-01

NYC Response

Asbestos Air Sampling Results at Fixed Locations

Sampling Date and Time: 10/13/01 (12:00) to 10/13/01 (24:00)

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)*		S/mm ²	S-f/cc*
							0.5µ-5µ	>5µ		
10/13/2001	05427	A	1440	Air	21.66	0.006	0	0	<16.00	<0.0043
10/13/2001	05428	B	1440	Air	11.46	0.003	0	0	<16.00	<0.0043
10/13/2001	05429	C 1	1440	Air	8.92	0.002	0	0	<16.00	<0.0043
10/13/2001	05432	D	1440	Air	26.75	0.007	0	0	<16.00	<0.0043
10/13/2001	05436	E	1440	Air	16.56	0.004	0	0	<16.00	<0.0043
10/13/2001	05437	F	1440	Air	24.2	0.006	0	0	<16.00	<0.0043
10/13/2001	05431	H	1440	Air	17.83	0.005	0	0	<16.00	<0.0043
10/13/2001	05430	I	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043
10/13/2001	05426	J	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043
10/13/2001	05433	K	1440	Air	15.29	0.004	0	0	<16.00	<0.0043
10/13/2001	05422	L	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043
10/13/2001	05423	M1	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043
10/13/2001	05424	N	1240	Air	<7.0	<0.002	0	0	<16.00	<0.0050
10/13/2001	05425	N Dup	1440	Air	<7.0	<0.002	0	0	<16.00	<0.0043
10/13/2001	05435	P	1440	Air	11.46	0.003	0	0	<16.00	<0.0043
10/13/2001	05438	Q	1440	Air	26.75	0.007	0	1**	16	0.0043
10/13/2001	05434	S	1440	Air	10.19	0.003	0	0	<16.00	<0.0043
10/13/2001	05440	T	1440	Air	7.64	0.002	0	0	<16.00	<0.0043
10/13/2001	05439	U	1440	Air	15.29	0.004	0	0	<16.00	<0.0043
10/13/2001	05441	V	1440	Air	11.46	0.003	0	0	<16.00	<0.0043

DOC 04125 & 04129

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.
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 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
 T: Pier 6 Helipoint
 U: Pier 6 Exit 2
 V: Pier 6 Bus Sign

NS: Not sampled

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

NR: Not requested

NA: not analyzed due to overloading of particulates

ERT: 10/15/01 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-10-13-01a

NYC Emergency Response
Asbestos Air Sampling Results at Fixed Locations
Sampling Date and Time: 10/12/01 (1200) to 10/12/01 (2400)

Sampling Date	Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM (AHERA)			
					f/mm ²	f/cc	Structures (#)*		S/mm ²	S-f/cc*
							0.5µ-5µ	>5µ		
10/12/2001	05455	A	1440	Air	19.11	0.005	0	0	<15.75	<0.0042
10/12/2001	05456	B	1440	Air	7.64	0.002	2**	0	31.5	0.0084
10/12/2001	05457	C 1	1440	Air	11.46	0.003	1**	0	15.75	0.0042
10/12/2001	05460	D	1440	Air	11.46	0.003	1**	0	15.75	0.0042
10/12/2001	05465	E	1440	Air	9.55	0.003	0	0	<15.75	<0.0042
10/12/2001	05166	F	1440	Air	11.46	0.003	0	0	<15.75	<0.0042
10/12/2001	05458	H	1440	Air	<7.0	<0.002	1**	0	15.75	0.0042
10/12/2001	05459	I	1440	Air	10.19	0.003	3**	0	47.24	0.0126
10/12/2001	05454	J	1440	Air	16.56	0.004	0	0	<15.75	<0.0042
10/12/2001	05461	K	1440	Air	<7.0	<0.002	0	0	<15.75	<0.0042
10/12/2001	05451	L	1440	Air	10.83	0.003	0	0	<15.75	<0.0042
10/12/2001	05452	M 1	1440	Air	8.92	0.002	0	0	<15.75	<0.0042
10/12/2001	05453	N	1440	Air	10.19	0.003	1**	0	15.75	0.0042
10/12/2001	05464	P	1440	Air	8.92	0.002	0	0	<15.75	<0.0042
10/12/2001	05467	Q	1280	Air	14.01	0.004	0	0	<15.75	<0.0047
10/12/2001	05462	S	1440	Air	7.64	0.002	0	0	<15.75	<0.0042
10/12/2001	05463	S DUP	1440	Air	8.92	0.002	0	0	<15.75	<0.0042
10/12/2001	05469	T	838	Air	10.019	0.003	1**	0	15.75	0.0047
10/12/2001	05468	U	1440	Air	8.28	0.002	0	0	<15.75	<0.0047
10/12/2001	05470	V	1440	Air	11.46	0.003	0	0	<15.75	<0.0047

coc#04038&04003

**Chrysotile: No other types of asbestos fibers were found

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
 T: Pier 6 Heliport
 U: Pier 6 Exit 2
 V: Pier 6 Bus Sign

NS: Not sampled

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

NR: Not requested

NA: not analyzed due to overloading of particulates

ERT: 10/15/01 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-10-12-01a

**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 (#)			
10/12/01	02001	Liberty Park	480	Air	<7.0	<0.006	0	0	<6.15	<0.0049
10/12/01	02002	CITGO Terminal	480	Air	<7.0	<0.006	0	0	<6.15	<0.0049
10/12/01	02003	FMC Terminal	480	Air	<7.0	<0.006	0	0	<6.15	<0.0049
10/12/01	02004	Shell Terminal	480	Air	<7.0	<0.006	0	0	<6.15	<0.0049

coc#04191

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	1240 (10/12/01) - 2040 (10/12/01)	
CITGO Terminal	1340 (10/12/01) - 2140 (10/12/01)	
FMC Terminal	1405 (10/12/01) - 2205 (10/12/01)	
Shell Terminal	1450 (10/12/01) - 2250 (10/12/01)	
		ERT: 10/15/01 09:50 AM

DEP-10-12-01

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 (#)			
10/13/01	02006	Liberty Park	1103	Air	<7.0	<0.002	0	0	<12.92	<0.0045
10/13/01	02007	CITGO Terminal	480	Air	<7.0	<0.006	0	0	<7.75	<0.0062
10/13/01	02008	FMC Terminal	480	Air	<7.0	<0.006	0	0	<7.75	<0.0062
10/13/01	02009	Shell Terminal	480	Air	<7.0	<0.006	0	0	<7.75	<0.0062

coc#04192

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	1300 (10/13/01) - 0723 (10/14/01)	
CITGO Terminal	1345 (10/13/01) - 2145 (10/13/01)	ERT: 10/15/01 09:50 AM
FMC Terminal	1415 (10/13/01) - 2215 (10/13/01)	
Shell Terminal	1430 (10/13/01) - 2230 (10/13/01)	

DEP-10-13-01