

NYC Emergency Response
Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Time: 10/18/01 0600 to 10/18/01 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		
10/18/01	03384	P Loc # 1	720	Air	<7.0	<0.004	2**	2**	35.56	0.0190
10/18/01	03385	P Loc # 2	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03386	P Loc # 3	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03387	P Loc # 4	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03388	P Loc # 5	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03389	P Loc # 6	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03390	P Loc # 7	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03391	P Loc # 8	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03392	S Loc # 9A	720	Air	7.64	0.004	1**	1**	17.78	0.0095
10/18/01	03393	S Loc # 9B	720	Air	<7.0	<0.004	2**	0	17.78	0.0095
10/18/01	03394	S Loc # 10 A	720	Air	<7.0	<0.004	1**	0	8.89	0.0048
10/18/01	03395	S Loc # 10 B	720	Air	7.64	0.004	1**	1**	17.78	0.0095
10/18/01	03396	W Loc # 11	720	Air	11.48	0.008	1**	0	8.89	0.0048
10/18/01	03397	W Loc # 12 A	720	Air	16.56	0.009	4**	1**	44.44	0.0238
10/18/01	03398	W Loc # 12 B	720	Air	<7.0	<0.004	2**	1**	26.67	0.0143
10/18/01	03399	B Loc # 13	720	Air	<7.0	<0.004	1**	0	8.89	0.0048
10/18/01	03400	B Loc # 14	720	Air	<7.0	<0.004	1**	0	8.89	0.0048
10/18/01	03401	T Loc # 15	720	Air	<7.0	<0.004	0	0	<8.89	<0.0048
10/18/01	03402	T Loc # 16	504	Air	<7.0	<0.005	3**	0	26.67	0.0204

Loc# 04643 & 04644

** 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

NC: Denotes not calculated due to no sample volume.

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: 10/21/01 9:50 AM

FK-10-18-01a