

NYC Response

Asbestos Air Sampling Results for Staten Island Landfill

Sampling Date and Time: 10/08/01 0700 to 10/08/01 2000

Sampling Date	Sample No.
10/08/01	02959
10/08/01	02960
10/08/01	02961
10/08/01	02962
10/08/01	02963
10/08/01	02964
10/08/01	02965
10/08/01	02966
10/08/01	02967
10/08/01	02968
10/08/01	02969
10/08/01	02970
10/08/01	02971
10/08/01	02972
10/08/01	02973
10/08/01	02974

coc# 04611

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)

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CITY_21MC100_006387134

Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400	
			f/mm ²	f/cc
P Loc #1	720	Air	<7.0	<0.004
P Loc #2	720	Air	<7.0	<0.004
P Loc #3	720	Air	<7.0	<0.004
P Loc #4	381.2	Air	<7.0	<0.007
P Loc #5	720	Air	<7.0	<0.004
P Loc #6	720	Air	<7.0	<0.004
P Loc #7	720	Air	<7.0	<0.004
P Loc #8	720	Air	<7.0	<0.004
S Loc #9	720	Air	14.65	0.008
S Loc #9A	196.7	Air	21.66	0.042
S Loc #9B	720	Air	<7.0	<0.004
S Loc #9C	720	Air	<7.0	<0.004
B Loc #13	565	Air	10.19	0.007
B Loc #14	562	Air	<7.0	<0.005
W Loc # 11	545	Air	<7.0	<0.005
W Loc #12	633	Air	8.28	0.005

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

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TEM (AHERA)			
Structures (#)		S/mm ²	S~f/cc*
0.5μ - 5μ	5μ		
1**	0	8.89	0.0048
2**	0	17.78	0.0095
0	0	<8.89	<0.0048
0	0	<8.00	<0.0081
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
6**	2**	71.11	0.0380
5**	3**	64	0.1253
2**	0	16	0.0088
1**	0	8	0.0043
4**	1**	40	0.0273
4**	0	32	0.0219
0	0	<8.00	<0.0057
7**	4**	88	0.0535

** Chrysotile; no other types of asbestos fibers were found

ERT: 10/10/01 9:50 AM

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