

NYC Response
Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Time: 09/29/01 1800 to 09/30/01 0800

Sampling
Date
9/29-30/2001
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coc# 04013

NIOSH 7400: Fiber Analysis of Air samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94
NIOSH 7402: Asbestos Analysis of Air samples by Transmission Electron Microscopy
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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Sample No.	Sampling Location	Sample Volume	Matrix	PCM by NIOSH 7400		TEM by NIOSH 7402	
				f/mm ²	f/cc	AF/NAF	Adjusted TEM f/cc
23651	#1	700	Air	<7.0	<0.004	0/1	<0.004
23653	#2	720	Air	<7.0	<0.004	0/0	<0.004
23652	#3	720	Air	<7.0	<0.004	0/0	<0.004
23666	#4	720	Air	<7.0	<0.004	0/0	<0.004
23667	#5	720	Air	<7.0	<0.004	0/0	<0.004
23668	#6	720	Air	7.64	0.004	0/0	<0.004
23669	#7	720	Air	14.01	0.007	0/0	<0.004
23650	#8	720	Air	21.02	0.011	0/9	<0.004
23658	#9A	720	Air	<7.0	<0.004	0/0	<0.004
23657	#9B	700	Air	<7.0	<0.004	0/0	<0.004
23656	#10	700	Air	7.01	<0.004	0/0	<0.004

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

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TEM (AHERA)			
Structures (#)		S/mm ²	S~f/cc*
<5μ	>5μ		
0	0	<8.0	<0.0044
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	1	8.89	0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048
0	0	<8.89	<0.0048

ERT: 10/1/01 2:00 PM

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