

NYC Response
Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Times: 11/16/01 1705 to 11/17/01 0920

Sampling Date
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Key:

CITY_21MC100_008768653

OEM000056881

Sample No.	Sampling Location	Sample Volume*	Matrix
LF00751	P-1	703	Air
LF00752	P-2	702	Air
LF00753	P-3	699	Air
LF00754	P-4	693	Air
LF00755	P-5	693	Air
LF00756	P-6	693	Air
LF00757	P-7	693	Air
LF00758	P-8	0	Air
LF00759	W-11	691	Air
LF00760	W-12A	720	Air
LF00761	W-12B	734	Air
LF00762	B-13	699	Air
LF00763	B-14	697	Air
LF00764	T-15	733	Air
LF00765	T-16	736	Air
LF00766	O-17	720	Air
LF00767	Lot Blank	0	Air
LF00768	Trip Blank	0	Air

* Sample volume (liters) is below recommended limit for the TEM method; volume is based on pump reading

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

*** Chrysotile

**** one Chrysotile and one Anthophyllite

***** Anthophyllite

NA ⁽¹⁾ - Not analyzed due to overloading of particulates

NA ⁽²⁾ - Not analyzed for TEM

n/a - Not applicable

NR - Not requested

NS - Sample not submitted due to no sample volume

R - Sample data rejected due to no sample volume

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Data Validation Date: 11/18/01

PM by NIOSH 7415		TEM (AHERA)					
f/mm ²	f/cc	Structures (#)		S/mm ²	S~f/cc**		
		0.5µ - 5µ	5µ				
<7.0	<0.004	0	1***	8.75	0.0048		100
<7.0	<0.004	0	0	<8.75	<0.0048		100
<7.0	<0.004	0	0	<8.75	<0.0048		100
<7.0	<0.004	0	0	<8.75	<0.0049		100
<7.0	<0.004	0	0	<8.75	<0.0049		100
<7.0	<0.004	0	0	<8.75	<0.0049		100
<7.0	<0.004	0	0	<8.75	<0.0049		100
R	R	R	R	R	R		100
10.19	0.006	0	0	<8.75	<0.0049	8	100
8.92	0.005	1***	0	8.75	0.0047	7	100
7.64	0.004	0	0	<8.75	<0.0046	6	100
<7.0	<0.004	0	0	<8.75	<0.0048		100
<7.0	<0.004	1***	0	8.75	0.0048		100
<7.0	<0.004	0	0	<8.75	<0.0046		100
<7.0	<0.004	0	0	<8.75	<0.0046		100
8.92	0.005	0	0	<8.75	<0.0047	7	100
<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾		100
22.93	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	18	100

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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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