

NYC Response

Asbestos Air Sampling Results for Staten Island Landfill

Sampling Date and Time 5/5/2002 0600 to 2027

Data Validation Date: 05/08/2002

Sampling Date	Sample No.	Sampling Location	Sample Volume ^a	Matrix	PCM by NIOSH 7400		TEM (AHERA)				Fibers
					f/mm ²	f/cc	Structures (#)		S/mm ²	S~f/cc**	
05/05/02	LF04464	P-1	1045.00	Air	<7.0	<0.003	0	0	<13.12	<0.0048	100
05/05/02	LF04465	P-2	1332.00	Air	<7.0	<0.002	0	0	<15.75	<0.0046	100
05/05/02	LF04466	P-3	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047	100
05/05/02	LF04467	P-4	1332.00	Air	<7.0	<0.002	0	0	<15.75	<0.0046	100
05/05/02	LF04468	P-5	1404.00	Air	<7.0	<0.002	0	0	<15.75	<0.0043	100
05/05/02	LF04469	P-6	1092.65	Air	<7.0	<0.002	0	0	<13.12	<0.0046	100
05/05/02	LF04470	P-7	1440.00	Air	<7.0	<0.002	0	0	<15.75	<0.0042	100
05/05/02	LF04471	P-8	1476.00	Air	<7.0	<0.002	0	0	<15.75	<0.0041	100
05/05/02	LF04472	W-12A	1440.00	Air	20.38	0.005	0	***1	1.36	0.0004	100
05/05/02	LF04473	W-12B	1084.45	Air	<7.0	<0.002	0	0	<13.12	<0.0047	100
05/05/02	LF04474	B-13	1298.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047	100
05/05/02	LF04475	B-14	1404.00	Air	<7.0	<0.002	0	0	<15.75	<0.0043	100
05/05/02	LF04476	T-15	1404.00	Air	21.66	0.006	0	0	<15.75	<0.0043	100
05/05/02	LF04477	T-16	1440.00	Air	30.57	0.008	0	0	<15.75	<0.0042	100
05/05/02	LF04478	O-17	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047	100
05/05/02	LF04479	O-18	1368.00	Air	<7.0	<0.002	0	0	<15.75	<0.0044	100
05/05/02	LF04480	O-19	1404.00	Air	<7.0	<0.002	0	0	<15.75	<0.0043	100
05/05/02	LF04481	MPHS-20	1052.00	Air	<7.0	<0.003	0	0	<13.12	<0.0048	100
05/05/02	LF04482	Lot Blank	0.00	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	100
05/05/02	LF04483	Trip Blank	0.00	Air	<7.0	n/a	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	100

Key:

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

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

*** Chrysotile

**** Actinolite

***** Amosite

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

NA⁽²⁾ - Not analyzed for TEM

NA⁽³⁾ - Not analyzed due to wet filter

n/a - Not applicable

NR - Not requested

NS - Sample not submitted

R - Sample data rejected due to no sample volume

NC - Sample not collected

NS - Sample not submitted

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)

L□

Temp S/mm:
13.12
15.75
15.75
15.75
15.75
13.12
15.75
15.75
1.36
13.12
15.75
15.75
15.75
15.75
15.75
15.75
15.75
13.12

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