NYC 9/11 Public Portal Document

NYC Response
Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Time 7/21/2002 0923 to 7/22/02 0750

Data Validation Date: 07/23/2002

					PCM by NIOSH 7400		TEM (AHERA)			
							Structures (#)			
Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	f/mm^2	f/cc	0.5µ - 5µ	5µ	S/mm^2	S~f/cc**
07/21/02	LF05837	P-1	1121.40	Air	<7.0	<0.002	0	0	<13.12	<0.0045
07/21/02	LF05838	P-2	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05839	P-3	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05840	P-4	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05841	P-5	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05842	P-6	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05843	P-7	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05844	P-8	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05845	W-12A	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05846	W-12B	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05847	T-15	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05848	T-16	2237.40	Air	8.92	0.002	0	0	<19.69	<0.0034
07/21/02	LF05849	O-17	1278.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05850	O-18	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05851	O-19	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/21/02	LF05852	Lot Blank	0.00	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)
07/21/02	LF05853	Trip Blank	0.00	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)

Please note that sample for Location T-16 ran for over 20 hours

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/mm^2, volume 1200 L, for 25 mm filter (TEM)

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