NYC 9/11 Public Portal Document

NYC Response
Asbestos Air Sampling Results for Staten Island Landfill
Sampling Date and Times: 7/24/2002 0740 to 2100 Data Validation Date: 07/27/2002

					PCM by NIOSH 7400		TEM (AHERA)			
Sampling Date	Sample No.	Sampling Location	Sample Volume*	Matrix	f/mm²	f/cc	Structures (#) 0.5µ - 5µ	5µ	S/mm²	S~f/cc**
07/24/02	LF05888	P-1	1117.80	Air	<7.0	<0.002	0	0	<13.12	<0.0045
07/24/02	LF05889	P-2	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05890	P-3	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05891	P-4	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05892	P-5	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05893	P-6	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05894	P-7	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05895	P-8	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05896	W-12A	1296.00	Air	10.19	0.003	0	0	<15.75	<0.0047
07/24/02	LF05897	W-12B	1274.40	Air	<7.0	<0.002	0	0	<15.75	<0.0048
07/24/02	LF05898	T-15	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05899	T-16	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05900	O-17	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05901	O-18	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05902	O-19	1296.00	Air	<7.0	<0.002	0	0	<15.75	<0.0047
07/24/02	LF05903	Lot Blank	0.00	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)
07/24/02	LF05904	Trip Blank	0.00	Air	<7.0	n/a	NA(2)	NA(2)	NA(2)	NA(2)

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
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)

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