NYC 9/11 Public Portal Document

NYC Response
**Asbestos Air Sampling Results for Staten Island Landfill**
Sampling Date and Times: 01/12/02 0741 to 2203

Data Validation Date: 01/14/2002

| | | | | | 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** | Fibers |
| 01/12/02 | LF02129 | P-1 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02130 | P-2 | 450 | Air | <7.0 | <0.006 | 0 | 0 | <7.87 | <0.0067 | |
| 01/12/02 | LF02131 | P-3 | 720 | Air | <7.0 | <0.004 | 3*** | 0 | 26.25 | 0.0140 | |
| 01/12/02 | LF02132 | P-4 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02133 | P-5 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02134 | P-6 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02135 | P-7 | 573 | Air | <7.0 | <0.005 | 0 | 0 | <7.87 | <0.0053 | |
| 01/12/02 | LF02136 | P-8 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02003 | S-9A | 720 | Air | <7.0 | <0.004 | | | | | |
| 01/12/02 | LF02003 | S-9B | 720 | Air | <7.0 | <0.004 | | | | | |
| 01/12/02 | LF02003 | S-10A | 720 | Air | <7.0 | <0.004 | | | | | |
| 01/12/02 | LF02003 | S-10B | 720 | Air | <7.0 | <0.004 | | | | | |
| 01/12/02 | LF02137 | W-11 | 720 | Air | 10.19 | 0.005 | NA(1) | NA(1) | NA(1) | NA(1) | 8 |
| 01/12/02 | LF02138 | W-12A | 720 | Air | 28.03 | 0.015 | NA(1) | NA(1) | NA(1) | NA(1) | 22 |
| 01/12/02 | LF02139 | W-12B | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02140 | B-13 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02141 | B-14 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02142 | T-15 | 720 | Air | 45.86 | 0.025 | NA(1) | NA(1) | NA(1) | NA(1) | 36 |
| 01/12/02 | LF02143 | T-16 | 720 | Air | 12.74 | 0.007 | 0 | 0 | <8.75 | <0.0047 | 10 |
| 01/12/02 | LF02144 | O-17 | 720 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02145 | O-18 | 720 | Air | <7.0 | <0.004 | NA(1) | NA(1) | NA(1) | NA(1) | |
| 01/12/02 | LF02146 | O-19 | NS | Air | NS | NS | NS | NS | NS | NS | |
| 01/12/02 | LF02147 | MPHS-20 | 719 | Air | <7.0 | <0.004 | 0 | 0 | <8.75 | <0.0047 | |
| 01/12/02 | LF02148 | Lot Blank | 0 | Air | <7.0 | n/a | NA(2) | NA(2) | NA(2) | NA(2) | |
| 01/12/02 | LF02149 | Trip Blank | 0 | Air | <7.0 | n/a | NA(2) | NA(2) | NA(2) | NA(2) | |

**Key:**

* 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
**** Extremely low sample volume collected

NA(1) - Not analyzed due to overloading of particulates
NA(2) - Not analyzed for TEM
NA(3) - Not analyzed for PCM or TEM 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 at this time due to no access to station location

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NYC-WTC_000437366

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

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