

**NYC Response**

**Asbestos Air Sampling Results for Staten Island Landfill**

Sampling Date and Time: 10/07/01 1930 to 10/08/01 0730

| Sampling Date | Sample No. | Sampling Location | Sample Volume | Matrix | PCM by NIOSH 7400 |        | TEM ( AHERA)   |     |                   |         |
|---------------|------------|-------------------|---------------|--------|-------------------|--------|----------------|-----|-------------------|---------|
|               |            |                   |               |        | f/mm <sup>2</sup> | f/cc   | Structures (#) |     | S/mm <sup>2</sup> | S~f/cc* |
|               |            |                   |               |        |                   |        | 0.5µ - 5µ      | 5µ  |                   |         |
| 10/7-10/8     | 02935      | #1                | 661.6         | Air    | 12.74             | 0.007  | 0              | 0   | <8.00             | <0.0047 |
| 10/7-10/8     | 02936      | #2                | 660.7         | Air    | <7.0              | <0.004 | 0              | 0   | <8.00             | <0.0047 |
| 10/7-10/8     | 02937      | #3                | 485.7         | Air    | <7.0              | <0.006 | 0              | 0   | <8.00             | <0.0063 |
| 10/7-10/8     | 02938      | #4                | 663.2         | Air    | <7.0              | <0.004 | 0              | 0   | <8.00             | <0.0046 |
| 10/7-10/8     | 02939      | #5                | 663.6         | Air    | <7.0              | <0.004 | 0              | 0   | <8.00             | <0.0046 |
| 10/7-10/8     | 02940      | #6                | 496           | Air    | <7.0              | <0.005 | 0              | 0   | <8.00             | <0.0062 |
| 10/7-10/8     | 02951      | #7                | 671           | Air    | <7.0              | <0.004 | 0              | 0   | <8.00             | <0.0046 |
| 10/7-10/8     | 02952      | #8                | 670           | Air    | <7.0              | <0.004 | 0              | 0   | <8.00             | <0.0046 |
| 10/7-10/8     | 02953      | #9A               | 546.9         | Air    | <7.0              | <0.005 | 0              | 0   | <8.00             | <0.0056 |
| 10/7-10/8     | 02954      | #9B               | 662           | Air    | 20.38             | 0.012  | 3**            | 2** | 40                | 0.0233  |
| 10/7-10/8     | 02955      | #9C               | 670.2         | Air    | 12.74             | 0.007  | 0              | 1** | 8                 | 0.0046  |
| 10/7-10/8     | 02956      | #10               | 620           | Air    | 7.64              | 0.005  | 0              | 0   | <8.00             | <0.0050 |

coc# 04608

\*\* Chrysotile

NS: Not sampled

Sample volume is below recommended limit of the method:

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

NA: not analyzed due to overloading of particulates

**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<sup>2</sup>, volume 1200 L, for 25 mm filter (TEM)**

ERT: 10/09/01 9:50 AM

FK-10-07-01

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