

File: WTC
Sampling Results
(EPA)

U.S. Environmental Protection Agency (www.epa.gov)
Sampling Situation Report
Wednesday, April 10, 2002

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Mar 9 AM)
 - Results pending.
- NYC / ER (Mar 24, 1200 - 2400 hrs)
 - All 18 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Apr 1, 1200 - 2400 hrs)
 - All 14 samples analyzed were below the TEM AHERA standard.
 - 4 samples (Locations U, V, V-duplicate, and D) were not collected due to equipment malfunctions.
- NYC / ER (Apr 2, 0001 - 1200 hrs)
 - All 17 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location S) was not collected since the cassette was stolen.
- NYC / ER (Apr 2, 1200 - 2400 hrs)
 - 1 of 18 samples analyzed was above the TEM AHERA standard.
 - **Exceedance of the TEM AHERA standard occurred at Location W (80 S/mm²).**

Landfill Ambient Air Sampling Locations

- Fresh Kills (Mar 24)
 - Results pending.
- Fresh Kills (Apr 5) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at four stations (P-2, P-3, P-6, and P-8) based on daily average concentrations.
 - Particulate measurements at P-5 were not reportable due to an equipment malfunction.

- Fresh Kills (Apr 8) - Particulate Monitoring (Dataram)
 - **Resubmittal:** Incorrect logging period was previously presented for Location P-8.
 - No change in results at the five stations (P-2, P-3, P-5, P-6, and P-8).
- Fresh Kills (Apr 9) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at five stations (P-2, P-3, P-5, P-6, and P-8) based on daily average concentrations.

Ambient Air Sampling Locations

- NYC / ER (Feb 5) - Metals
 - 10 samples collected.
 - **Arsenic nominally exceeded the EPA Removal Action level guidelines (based on a 30-year exposure) at Location A.** Note: RAL for arsenic is 0.041 ug/m³.
 - The arsenic concentration at Location A was below the EPA Removal Action level guidelines adjusted to 1-year exposure, the NIOSH REL (2 ug/m³), and the OSHA PEL (10 ug/m³).
 - All other metals were either not detected or were below applicable EPA Removal Action level guidelines, OSHA PELs, and the NAAQS for lead.
 - **Note:** Elevated levels of chromium identified in the quality control (QC) samples (blanks) indicate that chromium is not present in these air samples at levels sufficiently above those in the control samples to be considered a valid result.
- NYC / ER (Mar 10) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Results pending.
- NYC / ER (Mar 26) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Results pending.
- NYC / ER (Apr 9) - Particulate Monitoring (Dataram)
 - Particulate levels noted at Locations L, N, and R were below the OSHA TWA.
 - Instruments operated approximately 8 hours.
 - Station L had an average of 25.97 ug/m³ with a maximum reading of

- 227.01 ug/m³.
 - Station N had an average of 25.35 ug/m³ with a maximum reading of 73.99 ug/m³.
 - Station R had an average of 26.93 ug/m³ with a maximum reading of 46.12 ug/m³.
- NYC / ER (Apr 9) - Volatile Organics (Mobile Laboratory)
 - Volatile organic compounds were not detected above the detection limit (20 ppbv) in any of the four samples collected (Washing Tent, Austin Tobin Plaza, North Tower, and South Tower).