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WTC Sampling Results
(EPA)

U.S. Environmental Protection Agency (www.epa.gov)
Sampling Situation Report
Tuesday, April 16, 2002

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Apr 3, 0001 - 1200 hrs)
 - Results pending.
- NYC / ER (Apr 6, 1200 - 2400 hrs)
 - Results pending.
- NYC / ER (Apr 7, 0001 - 1200 hrs)
 - All 17 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location K) was not collected due to an equipment malfunction.
- NYC / ER (Apr 7, 1200 - 2400 hrs)
 - Results pending.
- NYC / ER (Apr 7, 1534 hrs - Apr 8, 1200 hrs)
 - All 17 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location S) was not collected due to an equipment malfunction.
 - Note: except for one sample (Location F) this sampling period represents the morning hours of April 8.
- NYC / ER (Apr 8, 1200 - 2400 hrs)
 - All 17 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location N-duplicate) was not collected due to an equipment malfunction.
- NYC / ER (Apr 9, 0001 - 1200 hrs)
 - All 18 samples analyzed were below the TEM AHERA standard.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Apr 6, 0647 - 2257 hrs)

- All 19 samples analyzed were below the TEM AHERA standard.
- Fresh Kills (Apr 7)
 - Results pending.
- Fresh Kills (Apr 8, 0830 hrs - Apr 9, 0545 hrs)
 - All 19 samples analyzed were below the TEM AHERA standard.
 - Note: Low sample volume reported.
 - Note: except for one sample (Location MPHS-20) this sampling period represents April 8.
- Fresh Kills (Apr 11) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at four stations (P-2, P-5, P-6, and P-8) based on daily average concentrations.
 - Particulate measurements were not taken at Location P-3 due to an equipment malfunction.
- Fresh Kills (Apr 12) - 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.
- Fresh Kills (Apr 13 - 14) - Particulate Monitoring (Dataram)
 - Particulate measurements were not taken due to weather conditions.

Ambient Air Sampling Locations

- NYC / ER (Mar 10) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Results pending.
- NYC / ER (Apr 3) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Monitoring sites include:
 - Park Row (Site 1)
 - Chambers St./West St. (Site 2)

- Public School 154: 333 East 135th St, Bronx (Site 5)
- Intermediate School 143: 511 West 182nd St., Manhattan (Site 6)
- Public School 274: 800 Bushwick Ave., Brooklyn (Site 7)
- Public School 44: 80 Maple Parkway, Staten Island (Site 8)
- Public School 199: 3290 - 48th Ave., Queens (Site 9)
- During this period a total of 7 samples were collected from these monitoring sites.
- All of the samples were below the TEM AHERA standard.

- NYC / ER (Apr 4) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Results pending.

- NYC / ER (Apr 5 - 6) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Monitoring sites include:
 - Park Row (Site 1)
 - Chambers St./West St. (Site 2)
 - Public School 154: 333 East 135th St, Bronx (Site 5)
 - Intermediate School 143: 511 West 182nd St., Manhattan (Site 6)
 - Public School 274: 800 Bushwick Ave., Brooklyn (Site 7)
 - Public School 44: 80 Maple Parkway, Staten Island (Site 8)
 - Public School 199: 3290 - 48th Ave., Queens (Site 9)
 - During this period a total of 14 samples were collected from these monitoring sites.
 - All of the samples were below the TEM AHERA standard.

- NYC / ER (Apr 7) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Results pending.

- NYC / ER (Apr 8) - Asbestos Monitoring (Particulate Monitoring Stations - 'Extended Network')
 - Monitoring sites include:
 - Park Row (Site 1)
 - Chambers St./West St. (Site 2)
 - Public School 154: 333 East 135th St, Bronx (Site 5)
 - Intermediate School 143: 511 West 182nd St., Manhattan (Site 6)
 - Public School 274: 800 Bushwick Ave., Brooklyn (Site 7)

- Public School 44: 80 Maple Parkway, Staten Island (Site 8)
 - Public School 199: 3290 - 48th Ave., Queens (Site 9)
 - During this period a total of 7 samples were collected from these monitoring sites.
 - All of the samples were below the TEM AHERA standard.
- NYC / ER (Apr 11) - 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 13.36 ug/m³ with a maximum reading of 49.75 ug/m³.
 - Station N had an average of 21.64 ug/m³ with a maximum reading of 43.34 ug/m³.
 - Station R had an average of 27.41 ug/m³ with a maximum reading of 45.94 ug/m³.
- NYC / ER (Apr 12) - 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 60.46 ug/m³ with a maximum reading of 103.58 ug/m³.
 - Station N had an average of 55.73 ug/m³ with a maximum reading of 74.82 ug/m³.
 - Station R had an average of 53.62 ug/m³ with a maximum reading of 102.68 ug/m³.
- NYC / ER (Apr 13) - 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 45.14 ug/m³ with a maximum reading of 138.50 ug/m³.
 - Station N had an average of 43.34 ug/m³ with a maximum reading of 127.06 ug/m³.
 - Station R had an average of 38.43 ug/m³ with a maximum reading of 99.34 ug/m³.
- NYC / ER (Apr 14) - 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 28.60 ug/m³ with a maximum reading of 97.77 ug/m³.
 - Station N had an average of 28.72 ug/m³ with a maximum reading of 86.44 ug/m³.
 - Station R had an average of 26.58 ug/m³ with a maximum reading of 124.43 ug/m³.
- NYC / ER (Apr 15) - 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 35.27 ug/m³ with a maximum reading of 121.97 ug/m³.
 - Station N had an average of 29.77 ug/m³ with a maximum reading of 69.95 ug/m³.
 - Station R had an average of 27.03 ug/m³ with a maximum reading of 59.05 ug/m³.
- NYC / ER (Apr 11) - 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).
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 - 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).
- NYC / ER (Apr 13) - 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).
- NYC / ER (Apr 14) - 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).

- NYC / ER (Apr 15) - Volatile Organics (Mobile Laboratory)
 - Aside from one volatile organic compound detected at the Washing Tent, no other volatiles were detected above the detection limit (20 ppbv) in any of the four samples collected (Washing Tent, Austin Tobin Plaza, North Tower, and South Tower).

Bulk Sampling

- NYC / ER (Apr 6) - Asbestos
 - 10 bulk samples collected from from beams (3), conduit insulation (1), and from an ongoing asbestos abatement area within Ground Zero (6).
 - Asbestos was detected in 1 of the 10 samples (as described below) at greater than 1% amosite.
 - **1 sample outside the asbestos abatement area identified amosite at 2.00%.**
 - The abatement area (South Projection Area) is located southwest of the North Tower.