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WTC Sampling Results
(EPA)

U.S. Environmental Protection Agency (www.epa.gov)
Sampling Situation Report
Monday, January 7, 2002

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Dec 29, 1200 - 2359 hrs)
 - All 19 samples analyzed were below the TEM AHERA standard.
 - 2 samples (Locations D and L-duplicate) were not collected due to equipment malfunctions.
 - 1 location (Location T) was not sampled since access to that location was not available.
- NYC / ER (Dec 30, 0001 - 1200 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
 - 1 location (Location T) was not sampled since access to that location was not available.
 - Note: Low sample volume recorded.
- NYC / ER (Dec 30, 1200 - 2359 hrs)
 - All 20 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location B) was not collected due to equipment malfunction.
 - 1 location (Location T) was not sampled since access to that location was not available.
- NYC / ER (Dec 31, 0001 - 1200 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location T) was not sampled since access to that location was not available.
 - Note: Low sample volume recorded.
- NYC / ER (Dec 31, 1200 - 2359 hrs)
 - All 18 samples analyzed were below the TEM AHERA standard.
 - 4 samples (Locations I, U, P, and T) were not collected due to equipment malfunctions.
- NYC / ER (Jan 1, 2002, 0001 - 1200 hrs)
 - All 19 samples analyzed were below the TEM AHERA standard.

- 2 samples (Locations B and V) were not collected due to equipment malfunctions.
- 1 location (Location T) was not sampled since access to that location was not available.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Dec 31, 0745 - 2135 hrs)
 - All 18 samples analyzed were below the TEM AHERA standard.
 - 1 location (Location P-1) was not analyzed due to overloading of particulates.
 - Note: Low sample volume recorded
- Fresh Kills (Jan 1, 2002)
 - No monitoring conducted.
- Fresh Kills (Jan 2, 0750 - 2156 hrs)
 - All 16 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location B-13) was not collected due to equipment malfunction.
 - 2 locations (Locations W-11 and W-12A) were not analyzed due to overloading of particulates.
- Fresh Kills (Jan 2) - Particulate Monitoring (Dataram)
 - **Resubmittal**: Previously reported readings at station P-3. Readings were actually from station P-2. All other data remains the same.
- Fresh Kills (Jan 3) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at three stations (P-2, P-6, and P-8) based on daily average concentrations.
- Fresh Kills (Jan 4) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at three stations (P-2, P-6, and P-8) based on daily average concentrations.
- Fresh Kills (Jan 5) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at three stations (P-2, P-6, and P-8) based on daily

average concentrations.

Ambient Air Sampling Locations

- NYC / ER (Dec 29 - Jan 2, 2002) - Asbestos Monitoring (Particulate Monitoring Stations)
 - 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 35 samples were collected from these monitoring sites.
 - All of the samples were below the TEM AHERA standard.

- NYC / ER (Jan 4) - Particulate Monitoring (Dataram)
 - Particulate levels noted at three locations (Stations L, N, R) were below the OSHA TWA.
 - Instruments operated approximately 6½ hours.
 - Station L values ranged from 0.2 to 203.4 ug/m³ with an average of 14.3 ug/m³.
 - Station N values ranged from 0.0 to 77.6 ug/m³ with an average of 10.6 ug/m³.
 - Station R values ranged from 0.1 to 85.4 ug/m³ with an average of 13.3 ug/m³.

- NYC / ER (Jan 5) - Particulate Monitoring (Dataram)
 - Particulate levels noted at three locations (Stations L, N, R) were below the OSHA TWA.
 - Instruments operated approximately 6 hours.
 - Station L values ranged from 11.6 to 155.4 ug/m³ with an average of 28.1 ug/m³.
 - Station N values ranged from 19.8 to 61.3 ug/m³ with an average of 24.6 ug/m³.
 - Station R values ranged from 3.2 to 59.1 ug/m³ with an average of 26.1 ug/m³.

- NYC / ER (Jan 6) - Particulate Monitoring (Dataram)

- Particulate levels noted at three locations (Stations L, N, R) were below the OSHA TWA.
- Instruments operated approximately 6 hours.
- Station L values ranged from 29.4 to 190.0 ug/m³ with an average of 46.7 ug/m³.
- Station N values ranged from 32.1 to 176.2 ug/m³ with an average of 45.2 ug/m³.
- Station R values ranged from 28.7 to 128.4 ug/m³ with an average of 46.4 ug/m³.
- NYC / ER (Jan 4) - Volatile Organics (Mobile Laboratory)
 - Benzene did not exceed OSHA TWA PEL (1 ppm) at any of the four locations monitored, including in the debris area at ground level.
 - Benzene was not detected above the detection limit (20 ppbv) in 3 of the 4 locations monitored (Washing Tent, Austin Tobin Plaza, and South Tower), including in the debris area at ground level.
- NYC / ER (Jan 5) - Volatile Organics (Mobile Laboratory)
 - Benzene exceeded OSHA TWA PEL (1 ppm) at one location (North Tower) in the debris area at ground level.
 - All 3 of the other samples (Washing Tent, Austin Tobin Plaza, and South Tower) did not note any benzene above the detection limit (20 ppbv).
- NYC / ER (Jan 6) - Volatile Organics (Mobile Laboratory)
 - Benzene exceeded OSHA TWA PEL (1 ppm) at one location (North Tower) in the debris area at ground level.
 - All 3 of the other samples (Washing Tent, Austin Tobin Plaza, and South Tower) did not note any benzene above the detection limit (20 ppbv).

Direct Reading Instruments

- NYC / ER (Jan 4)
 - Several readings noted during the afternoon at or above the carbon monoxide NAAQS (8-hour average) of 9 ppm.
 - Otherwise, nothing of significance reported.
- NYC / ER (Jan 5)
 - Nothing of significance reported.

- NYC / ER (Jan 6)
 - Low levels of carbon monoxide noted at nearly all stations during both monitoring periods.
 - Otherwise, nothing of significance reported.