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WTC Sampling
Permits (EPA)*

**U.S. Environmental Protection Agency (www.epa.gov)
Sampling Situation Report
Tuesday, November 27, 2001**

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Nov 21, 1200 - 2359 hrs)
 - All 22 samples analyzed were below the TEM AHER A standard.
- NYC / ER (Nov 22, 0001 - 1200 hrs)
 - All 22 samples analyzed were below the TEM AHER A standard.
- NYC / ER (Nov 22, 1200 - 2359 hrs)
 - All 22 samples analyzed were below the TEM AHER A standard.
- NYC / ER (Nov 23, 0001 - 1200 hrs)
 - All 21 samples analyzed were below the TEM AHER A standard.
 - 1 sample (Location F) was not submitted for analysis.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Nov 18, 0818 - 2100) - Asbestos
 - All 15 samples analyzed were below the TEM AHER A standard.
 - 2 samples (W-12B and T-16) were not analyzed for TEM due to overloading.
- Fresh Kills (Nov 23, 0730 - 1926) - Asbestos
 - All 13 samples analyzed were below the TEM AHER A standard.
 - Samples P-6, P-7, P-8, W-12B and O-19 were not collected due to pump and battery failures.
- Fresh Kills (Nov 23, 1730 - Nov 24, 0706) - Asbestos
 - All 17 samples analyzed were below the TEM AHER A standard.
 - 1 sample ("Offsite" #19) was not collected.
- Fresh Kills (Nov 24, 0646 - 1933) - Asbestos
 - All 17 samples analyzed were below the TEM AHER A standard.
 - 1 sample ("Offsite" #19) was not collected.
- Fresh Kills (Nov 24, 1747 - Nov 25, 0704) - Asbestos
 - All 17 samples analyzed were below the TEM AHER A standard.
 - 1 sample ("Offsite" #19) was not collected.

- Fresh Kills (Nov 26) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at five stations based on daily average concentrations.

Ambient Air Sampling Locations

- NYC / ER (Nov 18) - Asbestos Monitoring (Particulate Monitoring Stations)
 - Monitoring sites include:
 - Pace University (Site 1)
 - Manhattan Boro Community College (Site 2)
 - Coast Guard Building: Battery Park (Site 3)
 - 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 8 samples were collected from these monitoring sites.
 - All of the samples were below the TEM AHERA standard.
- NYC / ER (Nov 26) - Particulate Monitoring (Dataram)
 - Particulate levels noted at three locations (Stations L, N, R) were below the OSHA TWA.
 - Instruments operated approximately 7.5 hours
 - Station L values ranged from 17.0 to 147.9 ug/m³ with an average of 58.9 ug/m³.
 - Station N values ranged from 0.0 to 135.9 ug/m³ with an average of 42.2 ug/m³.
 - Station R values ranged from 70.6 to 253.7 ug/m³ with an average of 128.8 ug/m³.
- NYC / ER (Nov 21) - Volatile Organics (Mobile Laboratory)
 - Benzene did not exceed OSHA TW A PEL (1 ppm) at any location.
- NYC / ER (Nov 26) - Volatile Organics (Mobile Laboratory)
 - Benzene exceeded OSHA TW A PEL (1 ppm) at one location (North Tower) on the debris pile in the plume at ground level.
 - Benzene did not exceed OSHA TW A PEL (1 ppm) at the South Tower location.
 - 2 other samples (Wash Tent and Austin Tobin Plaza) did not note any benzene above the detection limit (20 ppbv).

Direct Reading Instruments

- NYC / ER (Nov 26)
 - Nothing of significance reported.