

U.S. Environmental Protection Agency (www.epa.gov)
Sampling Situation Report
Friday, December 7, 2001

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Dec 2, 1200 - 2359 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location K) was not collected due to a damaged cassette.
- NYC / ER (Dec 3, 0001 - 1200 hrs)
 - All 20 samples analyzed were below the TEM AHERA standard.
 - 2 samples (Locations B and C) were not analyzed due to overloading of particulates.
- NYC / ER (Dec 3, 1200 - 2359 hrs)
 - All 22 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Dec 4, 0001 - 1200 hrs)
 - All 22 samples analyzed were below the TEM AHERA standard.
- NJ / ER (Dec 3)
 - All 4 samples analyzed were below the TEM AHERA standard.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Dec 4, 0804 - 2114) - Asbestos
 - All 19 samples analyzed were below the TEM AHERA standard.
- Fresh Kills (Dec 5) - Particulate Monitoring (Dataram)
 - Nothing of significance reported at three stations (P-1, P-2, and P-7) based on daily average concentrations.

Ambient Air Sampling Locations

- NYC / ER (Dec 3) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **20.32 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **20.50 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was **18.86 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **22.58 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).

- NYC / ER (Dec 4) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **25.69 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **23.14 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was **24.37 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **25.17 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Dec 5) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **26.22 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **27.94 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was **23.65 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **24.77 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Dec 3) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **39.06 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 4) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **46.77 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 5) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **49.14 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 6) - Particulate Monitoring (Dataram)
 - Particulate levels noted at three locations (Stations L, N, R) were below the OSHA TWA.
 - Instruments operated approximately 6.5 hours.
 - Station L values ranged from 5.9 to 134.8 ug/m³ with an average of 39.9 ug/m³.
 - Station N values ranged from 10.0 to 205.3 ug/m³ with an average of 32.6 ug/m³.
 - Station R values ranged from 0.1 to 104.7 ug/m³ with an average of 31.1 ug/m³.
- NYC / ER (Dec 6) - Volatile Organics (Mobile Laboratory)
 - Benzene exceeded OSHA TWA PEL (1 ppm) at one location (North Tower) in the debris area in the plume at ground level.
 - 2 of the 3 other samples (Wash Tent and Austin Tobin Plaza) did not note any benzene above the detection limit (20 ppbv).

Direct Reading Instruments

- NYC / ER (Dec 4)
 - Monitoring for hexamethylene diisocyanate (detection limit = 1 ppb), methylene bisphenyl isocyanate (detection limit = 2 ppb), and toluene-2,4-diisocyanate (detection limit = 2 ppb) did not detect any of those compounds.
 - Locations monitored for cyanide compounds included: Locations A, B, C, D, E, P, R, S, 3B from the fixed ambient air sampling stations.
 - Measurements for the cyanide compounds consisted of one 3-minute run taken twice that day at each of the locations.
 - Data not attached.
- NYC / ER (Dec 6)
 - Nothing of significance reported with routine daily monitoring parameters.
 - Monitoring for hexamethylene diisocyanate (detection limit = 1 ppb), methylene bisphenyl isocyanate (detection limit = 2 ppb), and toluene-2,4-diisocyanate (detection limit = 2 ppb) did not detect any of those compounds.
 - Locations monitored for the cyanide compounds included: north side of North Tower, Austin Tobin Plaza near the barrier of the inner work zone, southeast corner of South Tower, the western barrier of the inner work zone at West St./Liberty St., and Locations A, B, C, D, E, P, R, S, 3B from the fixed ambient air sampling stations.
 - Measurements for cyanide compounds at the first four locations consisted of a 30-35 minute continuous run at each location.
 - Measurements for the cyanide compounds at the fixed ambient air sampling stations consisted of one 3-minute run taken twice that day at each of the locations.
 - Cyanide data not attached.