

U.S. Environmental Protection Agency (www.epa.gov)
Sampling Situation Report
Wednesday, February 13, 2002

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Feb 6, 0001 - 1200 hrs)
 - All 15 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location J) was not collected due to equipment malfunctions.
 - 2 locations (Location U and U-duplicate) were not sampled due to restricted access to the area.
 - 1 sample (Location M1) was not collected.
- NYC / ER (Feb 6, 1200 - 2359 hrs)
 - All 16 samples analyzed were below the TEM AHERA standard.
 - 2 samples (Locations A and F) were not collected due to equipment malfunctions.
 - **Note:** Location T is no longer being monitored.
- NYC / ER (Feb 7, 0001 - 1200 hrs)
 - All 9 samples analyzed were below the TEM AHERA standard.
 - 7 samples (Locations J, J-duplicate, F, A, B, E, and W) were not collected due to equipment malfunctions.
 - 1 sample (Location S) was not submitted due to tampered equipment.
 - 1 location (Location U) was not sampled due to restricted access to the area.
- NYC / ER (Feb 7, 1200 - 2359 hrs)
 - All 13 samples analyzed were below the TEM AHERA standard.
 - 4 samples (Locations B, S, E-duplicate, and K) were not collected due to equipment malfunctions.
 - 1 sample (Location U) was not submitted due to tampered equipment.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Feb 6, 0743 - 2200 hrs)
 - 1 of 19 samples analyzed was above the TEM AHERA standard.
 - Exceedance of the TEM AHERA standard occurred at Location W-11 (110.24 S/mm²).
 - **Note:** Low sample volume recorded.

- Fresh Kills (Feb 7, 0743 - 2200 hrs)
 - 1 of 19 samples analyzed was above the TEM AHERA standard.
 - Exceedance of the TEM AHERA standard occurred at Location W-11 (170.6 S/mm²).
 - Note: Elevated PCM readings (just above OSHA PEL of 0.1 f/cc) at Location T-15.
 - Note: Low sample volume recorded.
- Fresh Kills (Feb 8) - 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 (Feb 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.
- Fresh Kills (Feb 11) - 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 2) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **5.20 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **7.58 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **10.14 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Feb 2) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **24.12 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Feb 3) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **8.41 ug/m³**.

- Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **10.45 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **9.07 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Feb 3) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **14.90 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Feb 4) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **11.77 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **13.24 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **14.24 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Feb 4) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **33.37 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Feb 5) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **8.67 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **8.25 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **8.77 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Feb 5) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **31.64 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Feb 6) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **14.76 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **14.26 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **15.01 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).

- NYC / ER (Feb 6) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **31.66 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Feb 7) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **20.79 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **22.75 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **23.58 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Feb 7) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **35.66 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Feb 8) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **13.18 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **14.03 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **14.60 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Feb 8) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **32.46 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Feb 12) - Particulate Monitoring (Dataram)
 - Particulate levels noted at three locations (Stations L, N, and R) were below the OSHA TWA.
 - Instruments operated approximately 8 hours.
 - Station L had an average of 27.91 ug/m³ with a maximum reading of 152.95 ug/m³.
 - Station N had an average 13.38 ug/m³ with a maximum reading of 78.39 ug/m³.
 - Station R had an average 16.00 ug/m³ with a maximum reading of 71.03 ug/m³.
- NYC / ER (Feb 12) - Volatile Organics (Mobile Laboratory)

- Benzene exceeded OSHA TWA PEL (1 ppm) at one location (Austin Tobin Plaza) from a plume at the surface of the debris area.
- All 3 of the other samples (Wash Tent, North Tower, South Tower) did not note any benzene above the detection limit (20 ppbv).
- 1,3-butadiene exceeded OSHA TWA PEL (1 ppm) at one location (Austin Tobin Plaza) from a plume at the surface of the debris area.
- All 3 of the other samples (Wash Tent, North Tower, South Tower) did not note any 1,3-butadiene above the detection limit (20 ppbv).
- VOCs were not identified above the detection limit at the North Tower and Washing Tent at breathing level.
- Note: The Austin Tobin plume sample was collected in the vicinity of a burning acetylene cylinder.