

U.S. Environmental Protection Agency (www.epa.gov)
Sampling Situation Report
Monday, January 14, 2002

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Jan 7, 1200 - 2359 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location M-1) was not collected due to an equipment malfunction.
 - Note: Low sample volume recorded.
- NYC / ER (Jan 8, 0001 - 1200 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location E) was not collected due to an equipment malfunction.
 - Note: Low sample volumes recorded.
- NYC / ER (Jan 8, 1200 - 2359 hrs)
 - All 22 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Jan 9, 0001 - 1200 hrs)
 - All 22 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Jan 9, 1200 - 2359 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location D) was not collected due to an equipment malfunction.
 - Note: Low sample volume recorded.
- NYC / ER (Jan 10, 0001 - 1200 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location W) was not collected since the cartridge was missing.
- NYC / ER (Jan 10, 1200 - 2359 hrs)
 - All 21 samples analyzed were below the TEM AHERA standard.
- NYC / ER (Jan 11, 0001 - 1200 hrs)
 - All 22 samples analyzed were below the TEM AHERA standard.
 - 1 sample (Location F) was not analyzed due to overloading of particulates.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Jan 11) - Particulate Monitoring (Dataram)
 - Monitoring was not conducted due to the weather conditions.

- Fresh Kills (Jan 12) - 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 (Oct 26) - Metals
 - 10 samples collected.
 - All metals were either not detected or were below applicable EPA Removal Action level guidelines, OSHA PELs, and the NAAQS for lead.
 - **Note:** QA/QC review of chromium in air analytical data has revealed that chromium is not present in these samples.
- NYC / ER (Oct 30) - Metals
 - 10 samples collected.
 - All metals were either not detected or were below applicable EPA Removal Action level guidelines, OSHA PELs, and the NAAQS for lead.
 - **Note:** QA/QC review of chromium in air analytical data has revealed that chromium is not present in these samples.
- NYC / ER (Oct 30) - PCBs
 - Trace amounts detected in 1 of 10 samples well below levels of concern.
 - Concentration detected was below the EPA Removal Action level guidelines.
 - 9 samples analyzed did not detect any PCBs.
- NYC / ER (Nov 2) - PCBs
 - Trace amounts detected in 3 of 10 samples well below levels of concern.
 - Concentrations detected were below the EPA Removal Action level guidelines.
 - 7 samples analyzed did not detect any PCBs.
- NYC / ER (Dec 11) - PAHs
 - All 10 samples analyzed did not detect any PAHs.
- NYC / ER (Dec 19) - PAHs
 - All 10 samples analyzed did not detect any PAHs.
- NYC / ER (Jan 7 - 10) - 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 27 samples were collected from these monitoring sites.
- A sample was not collected from Site 8 on January 10 due to an equipment malfunction.
- All of the samples were below the TEM AHERA standard.
- NYC / ER (Jan 6) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **20.45 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **21.26ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **19.95 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Jan 6) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **29.50 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Jan 7) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **9.23 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **12.87 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **12.49 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Jan 7) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **17.11 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Jan 8) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **12.35 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **11.60 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **13.32 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Jan 8) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **23.36 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Jan 9) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **17.38 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **15.82 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **16.05 ug/m³**.

- All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Jan 9) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **23.56 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Jan 10) - Particulate Monitoring (TEOM PM_{2.5})
 - Park Row (Site 1) - 24-hr average concentration for this period was **18.49 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **18.97 ug/m³**.
 - Wall Street - 24-hour average concentrations for this period was **18.62 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM_{2.5} (65 ug/m³).
- NYC / ER (Jan 10) - Particulate Monitoring (TEOM PM₁₀)
 - Wall Street - 24-hour average concentrations for this period was **28.54 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 1) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hr average concentration for this period was **37.06 ug/m³**.
 - Chambers St./West St. (Site 2) - No data reported.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **19.8 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **24.0 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **22.71 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 2) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hr average concentration for this period was **28.87 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hr average concentration for this period was **24.38 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **19.5 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **21.4 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **20.47 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 3) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hr average concentration for this period was **44.80 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **40.39 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **39.4 ug/m³**.

- Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **38.8 ug/m³**.
- P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **35.61 ug/m³**.
- All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 4) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hr average concentration for this period was **60.11 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **50.96 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **58.3 ug/m³**.
 - Canal Street Post Office (Site 4) - No data reported.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **50.96 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 5) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hr average concentration for this period was **55.12 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **69.26 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **51.5 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **58.7 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **42.51 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 6) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hr average concentration for this period was **47.63 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hr average concentration for this period was **39.48 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **39.5 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **38.6 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **31.41 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 7) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hr average concentration for this period was **34.65 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hr average concentration for this period was **15.68 ug/m³**.

- Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **24.7 ug/m³**.
- Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **23.0 ug/m³**.
- P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **22.46 ug/m³**.
- All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 8) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **17.22 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **19.22 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **18.0 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **16.6 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **16.35 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 9) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **11.86 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **17.05 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **12.9 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **11.6 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **8.11 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 10) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **21.84 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **26.08 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **25.1 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **24.8 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **18.84 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 11) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **33.53 ug/m³**.

- Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **37.44 ug/m³**.
- Coast Guard Building - Battery Park (Site 3) - No data reported.

- Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **30.8 ug/m³**.
- P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **32.20 ug/m³**.
- All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).

- NYC / ER (Dec 12) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **31.99 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **36.44 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **38.4 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **32.4 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **29.37 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).

- NYC / ER (Dec 13) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **47.17 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **41.39 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - No data reported.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **40.9 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **35.4 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).

- NYC / ER (Dec 14) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **36.23 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **37.15 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **40.5 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **32.2 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **35.86 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).

- NYC / ER (Dec 15) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **15.35 ug/m³**.

- Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **14.18 ug/m³**.
- Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **9.8 ug/m³**.
- Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **10.2 ug/m³**.
- P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **7.74 ug/m³**.
- All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 16) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **13.23 ug/m³**.
 - Chambers St./West St. (Site 2) - No data reported.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **14.6 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **12.2 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **11.73 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Dec 17) - Particulate Monitoring (PM₁₀ filter)
 - Park Row (Site 1) - 24-hour average concentration for this period was **24.58 ug/m³**.
 - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was **27.54 ug/m³**.
 - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentration for this period was **25.9 ug/m³**.
 - Canal Street Post Office (Site 4) - 24-hour average concentration for this period was **25.5 ug/m³**.
 - P.S. 274 - 800 Bushwick Avenue, Brooklyn (Site 7) - 24-hour average concentration for this period was **20.34 ug/m³**.
 - All readings below the National Ambient Air Quality Standard for PM₁₀ (150 ug/m³).
- NYC / ER (Jan 11) - Particulate Monitoring (Dataram)
 - Monitoring of particulate levels at three locations (Stations L, N, R) was not conducted due to the weather conditions.
- NYC / ER (Jan 11) - 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 13) - Volatile Organics (Mobile Laboratory)

- Benzene was 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), including in the debris area at ground level.
- Aside from two organic compounds identified at one of the locations, no others were detected at any of the four locations above the detection limit (20 ppbv).
- Note: Windy conditions existed throughout the day.

Direct Reading Instruments

- NYC / ER (Jan 11)
 - Monitoring was not conducted due to the weather conditions.
- NYC / ER (Jan 13)
 - Nothing of significance reported during the afternoon monitoring period.
 - No monitoring conducted during the morning due to the weather conditions.