NYC 9/11 Public Portal Document

file: WTC Sampling Results (EPA)

U.S. Environmental Protection Agency (*www.epa.gov*)
Sampling Situation Report
Tuesday, December 11, 2001

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Dec 6, 1200 - 2359 hrs)
  - All 21 samples analyzed were below the TEM AHERA standard.
  - 1 sample (Location E) was not collected due to equipment malfunction.
- NYC / ER (Dec 7, 0001 - 1200 hrs)
  - All 22 samples analyzed were below the TEM AHERA standard.
- NJ / ER (Dec 6)
  - All 4 samples analyzed were below the TEM AHERA standard.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Dec 6, 0754 - 2121) - Asbestos
  - All 19 samples analyzed were below the TEM AHERA standard.
- Fresh Kills (Dec 7, 0805 - 2109) - Asbestos
  - All 19 samples analyzed were below the TEM AHERA standard.

Ambient Air Sampling Locations

- NYC / ER (Nov 8, 12, 15) - PAHs
  - Resubmittal: Previously reported on Wednesday, December 5 Sampling Situation Report without data attached.
  - Analytical data is attached (no changes in results).
- NYC / ER (Dec 5) - Asbestos Monitoring (Particulate Monitoring Stations)
  - Monitoring sites include:
    - Park Row (Site 1)
    - Chambers St./West St. (Site 2)
    - Coast Guard Building: Battery Park (Site 3)

NYC-WTC_000199739

NYC 9/11 Public Portal Document

- 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 (Dec 9) - Particulate Monitoring (TEOM $PM_{2.5}$)

  - Park Row (Site 1) - 24-hr average concentration for this period was ***7.59 ug/m³***.
  - Chambers St./West St. (Site 2) - 24-hour average concentration for this period was ***11.17 ug/m³***.
  - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was ***8.23 ug/m³***.
  - Wall Street - 24-hour average concentrations for this period was ***11.13 ug/m³***.
  - All readings below the National Ambient Air Quality Standard for $PM_{2.5}$ (65 ug/m³).

- NYC / ER (Dec 9) - Particulate Monitoring (TEOM PM_{10})

  - Wall Street - 24-hour average concentrations for this period was ***15.23 ug/m³***.
  - All readings below the National Ambient Air Quality Standard for PM_{10} (150 ug/m³).

- NYC / ER (Dec 9) - Particulate Monitoring (Dataram)

  - No particulate monitoring conducted due to rain at three locations (Stations L, N, R).

- NYC / ER (Dec 9) - 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, Austin Tobin Plaza) did not note any benzene above the detection limit (20 ppbv).

- NYC / ER (Dec 10) - Volatile Organics (Mobile Laboratory)

  - Benzene did not exceed OSHA TWA PEL (1 ppm) at any location, including in the debris area at ground level.
  - 2 of the 3 other samples (Location R, Austin Tobin Plaza) did not note any benzene above the detection limit (20 ppbv).
  - Note: Washing Tent "background" monitoring location replaced by Location R (former location of TAGA).

NYC-WTC_000199740

NYC 9/11 Public Portal Document

Direct Reading Instruments

- NYC / ER (Dec 9)
  - Nothing of significance reported during afternoon hours.
  - No monitoring conducted in the morning due to rain.

NYC-WTC_000199741