NYC 9/11 Public Portal Document

file - WTC Sampling - EPA

U.S. Environmental Protection Agency (*www.epa.gov*)
Air / Bulk / Wipe/ Water Sampling Situation Report
Monday, October 15, 2001 (12 noon)

Landfill Ambient Air Sampling Locations

- Fresh Kills (Oct 12) - Particulate Monitoring (Dataram)
  - Nothing of significance to report based on daily average concentration.
- Fresh Kills (Oct 13) - Particulate Monitoring (Dataram)
  - Nothing of significance to report based on daily average concentration.

Ambient Air Sampling Locations

- NYC / ER (Oct 12) - Particulate Monitoring ($PM_{2.5}$)
  - Pace University (Site 1) - 24-hr average concentration for this period was 18.08 ug/m^3.
  - Manhattan Boro Community College (Site 2) - 24-hour average concentration for this period was 19.06 ug/m^3.
  - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was 16.65 ug/m^3.
  - All readings below the National Ambient Air Quality Standard for $PM_{2.5}$ (65 ug/m^3).
- NYC / ER (Oct 13) - Particulate Monitoring ($PM_{2.5}$)
  - Pace University (Site 1) - 24-hr average concentration for this period was 23.28 ug/m^3.
  - Manhattan Boro Community College (Site 2) - 24-hour average concentration for this period was 21.57 ug/m^3.
  - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was 20.45 ug/m^3.
  - All readings below the National Ambient Air Quality Standard for $PM_{2.5}$ (65 ug/m^3).
- NYC / ER (Oct 13) - Volatile organics (TAGA)
  - Benzene exceeded OSHA TWA PEL at two locations on the debris pile in the plume at ground level.
  - Benzene was not detected at three locations (Pier 25, Spruce/Park Row, and Murray/W. Broadway) away from the WTC area in the breathing zone.
  - Benzene was not detected at Austin Tobin Plaza in the breathing zone.
- NYC / ER (Oct 14) - Volatile organics (TAGA)
  - Benzene exceeded OSHA TWA PEL at two locations on the debris pile in the plume at ground level.
  - Benzene was not detected at three locations (Pier 25, Spruce/Park Row, and Murray/W. Broadway) away from the WTC area in the breathing zone.
  - Benzene was not detected at Austin Tobin Plaza in the breathing zone.

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Bulk/Dust Samples

- NYC / ER (Oct 10) - Asbestos
    - Asbestos was detected in 1 of 2 indoor samples collected at 100 Church Street at a level of 1.10% chrysotile.

Direct Reading Instruments

- NYC / ER (Oct 13)
    - Nothing of significance reported.
- NYC / ER (Oct 14)
    - Nothing of significance reported.

Ambient Monitoring

- NYC / ER (Oct 10) - Exchange Place PATH Dewatering
    - Median lethal concentration after 48 hours of testing was 83.5% tunnel water.
    - Survival in the undiluted and untreated tunnel water was 32.5%.
    - Survival was 97.5% or higher in all dilutions of the effluent.
    - Response can be characterized as low level toxicity.