NYC 9/11 Public Portal Document

U.S. Environmental Protection Agency (*www.epa.gov*)
Air / Bulk / Wipe/ Water Sampling Situation Report
Tuesday, October 23, 2001 (3 PM)

Fixed Ambient Air Sampling Locations (Asbestos)

- NYC / ER (Oct 18, 1200 - 2400 hrs)
  - All 18 samples analyzed for the period 1200 to 2400 hrs were below the TEM AHERA standard.
  - 1 sample was not submitted.
  - 2 additional samples (Locations U and V) for the period 0001 to 1200 hrs were below the TEM AHERA standard.
- NYC / ER (Oct 19, 1200 - 2400 hrs)
  - All 19 samples analyzed were below the TEM AHERA standard.
  - 1 sample (Location P) was not analyzed due to a wet filter.

Landfill Ambient Air Sampling Locations

- Fresh Kills (Oct 19, 1800 - Oct 20, 0730) - Asbestos
  - All 19 samples analyzed were below the TEM AHERA standard.
  - 1 additional sampling location (W Location #12B) was added to monitor the perimeter.
- Fresh Kills (Oct 19) - Dataram
  - Nothing of significance to report based on daily average concentrations.
  - Maximum readings have increased significantly from previous day.
- Fresh Kills (Oct 20) - Dataram
  - Nothing of significance to report based on daily average concentrations.
  - Maximum readings have decreased significantly from previous day.
- Fresh Kills (Oct 21) - Dataram
  - Nothing of significance to report based on daily average concentrations.
- Fresh Kills (Oct 22) - Dataram
  - Daily average concentrations have increased.

Ambient Air Sampling Locations

- NYC / ER (Oct 21) - Particulate Monitoring ($PM_{2.5}$)
  - Pace University (Site 1) - 24-hr average concentration for this period was ***28.86 ug/m^3***.
  - Manhattan Boro Community College (Site 2) - 24-hour average concentration for this period was ***29.59 ug/m^3***.

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- Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was ***25.03 ug/m^3***.
- All readings below the National Ambient Air Quality Standard for $PM_{2.5}$ (65 ug/m^3).

- NYC / ER (Oct 22) - Particulate Monitoring (Dataram)
  - Particulate levels noted at three locations (Stations L, N, R) were below the OSHA TWA.
  - Instruments operated between 5½ to 7 hours.
  - Station L values ranged from 57.6 to 192.4 ug/m3 with an average of 173.7 ug/m^3.
  - Station N values ranged from 72.3 to 187.4 ug/m3 with an average of 140.7 ug/m^3.
  - Station R values ranged from 26.7 to 273.2 ug/m3 with an average of 77.2 ug/m^3.

- NYC / ER (Oct 21) - Volatile organics (TAGA)
  - Benzene exceeded OSHA TWA PEL (1 ppm) at two locations on the debris pile in the plume at ground level.
  - Chlorodifluoromethane (Freon-22) was noted as a Tentatively Identified Compound (TIC) at apparently significant concentrations in samples collected from the debris pile in the plume at ground level.

Bulk/Dust Samples

- NYC / ER (Oct 10) - Pesticide/PCBs
  - 2 dust samples obtained from rooftops in the vicinity of the WTC (22 Cortlandt, 7th fl. and 600 Gateway Plaza, 34th fl.)
  - Pesticides were not detected.
  - PCBs detected at trace concentrations well below levels of concern.

- NYC / ER (Oct 12) - Asbestos
  - Asbestos was detected above 1% chrysotile in 5 of 87 samples collected from structural steel brought to metal recycling facilities.

Direct Reading Instruments

- NYC / ER (Oct 22)
  - Consistent readings noted above the carbon monoxide NAAQS (8 hr. average) of 9 ppm, but below the NAAQS (1 hr. average) of 35 ppm and the OSHA PEL of 50 ppm.
  - Indications of low levels of hydrogen fluoride (OSHA PEL = 3 ppm) and sulfur dioxide (OSHA PEL = 5 ppm) well below the respective OSHA PELs (TWA).
  - Phosgene was not detected during this period.