NYC 9/11 Public Portal Document

AIR SAMPLE DATA SUMMARY
PERSONNEL EXPOSURE MONITORING
10/17/01

ASBESTOS

48 whole-shift sets of data received from the laboratory from the period 10/13/01 to 10/15/01. Results are broken down accordingly:

- Area C, Pickers – 8 sets of samples collected, all below OSHA PEL.
- Mellow Yellow #2, Sifters – 14 sets of samples collected, all below OSHA PEL.
- Mellow Yellow #1, Sifters – 7 sets of samples collected, 1 above OSHA PEL.
- Area D, Pickers – 11 sets of samples collected, all below OSHA PEL.
- Area B, Pickers – 8 sets of samples collected, all below OSHA PEL.

Although most 8 hour TWAs were below the OSHA PEL, a significant number were above the EPA standards for clean air (0.01 f/cc). Detail data spreadsheets are available at the P&J trailer. Requests for additional information should be made to EE&G.

METALS

14 whole-shift samples were collected and analyzed for 8 metals (Arsenic, Barium, Berylium, Cadmium, Chromium, Lead, Selenium, and Silver). Results are broken down accordingly:

- Area B, Pickers – 8 samples, all below the respective OSHA PELs.
- Area C, Pickers – 2 samples collected, below the respective OSHA PELs.
- Mellow Yellow #1, Sifter– 1 sample collected, below the respective OSHA PELs.
- Mellow Yellow #2, Sifter – 1 sample collected, below the respective OSHA PELs.
- Torch Cutting Operation, Torch Cutter – 2 samples collected, all below the respective OSHA PELs, however, 1 of the samples showed concentrations near the action level for lead.

Although all samples were below the respective OSHA PELs for the metals, several showed detectable concentrations of chromium. Detail data spreadsheets are available at the P&J trailer. Requests for additional information should be made to EE&G.

SILICA/TOTAL PARTICLES

Three whole-shift samples collected for silica and total particles accordingly:

- Area D, Sifter – 2 samples collect, both below the OSHA PELs for both silica and total particles.
- Mellow Yellow #2, Sifter - 1 sample collect, below the OSHA PELs for both silica and total particles.

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- period was 5.22 ug/m³.
  - Coast Guard Building - Battery Park (Site 3) - 24-hour average concentrations for this period was 4.73 ug/m³.
  - All readings below the National Ambient Air Quality Standard for $PM_{2.5}$ (65 ug/m³).

Bulk/Dust Samples

- Fresh Kills (Oct 7) - Asbestos
  - Asbestos was either not detected or less than 1% chrysotile in the 9 samples collected from various steel and debris piles.

Direct Reading Instruments

- NYC / ER (Oct 7)
  - Nothing of significance reported.
- NYC / ER (Oct 8)
  - Some increased CO readings at several locations.