

TO: Commissioner Miele 718-595-3525
 CC: First Deputy Commissioner Chapin 718-595-3557
 Deputy Commissioner Avaltroni 718-595-4544
 Deputy Commissioner Greeley 718-595-5342
 Deputy Commissioner Lopez 718-595-6950
 Deputy Commissioner Principe 914-741-0348
 FROM: Paul Bennett *JB*
 RE: WTC Daily Report for 10/19/01
 DATE: Oct. 19, 2001 via FAX

*B pgs
Total*

Summary of outstanding activities for 10/19/01.

OEM requests assistance in design and installation of storm water runoff form their new HQ.

OEM has requested assistance in design and installation of a storm water management system for their new facility being built in Gravesend, BK (W13 St & Ave Z). Apparently, a large parking lot is being constructed and OEM has asked for assistance in installing catch basins / storm drains. Is this something for DEP or DDC?

Health and Safety meeting

Quality of water to be / is being pumped from the WTC

Update: Additional sampling and analysis of the water in the basement will be conducted by EPA. Industrial Waste is working with DDC and their contractor on developing a plan. DDC did not identify when dewatering would begin.

NYSDOH Jim Covey and NYSDEC questioned the quality of the water to be / is being pumped out from the basements of the WTC and from the PA tunnel and into the sewers. DEC has indicated that they are willing to take the lead on this issue (plan, protocol and ultimate disposal), but they need NYC to ask for such assistance.

Diana / Al / Doug - How do you want me to handle? Please contact me.

Dust Control

Dust control was reported as very good at two of the WTC contractors' sites while it was reported as fair to poor at the other two WTC sites. Dust suppression consultant has not yet started.

At the request of Mike Gilsenan, I informed EPA of debris on the road / sidewalk on N/E/C of Albany St between South End Ave and West St. and asked for their contractors to clean this area.

Training Opportunity

The International Union of Operating Engineers will be conducting a seminar on "Trenching and excavation safety, soil analysis, use of protective systems and the requirements of OSHA 1926.650-2 standard excavations and new ANSI standards A10.12 excavation" on Sunday, Oct. 21 at 9:00 AM at PS 89. All are welcome.

OSHA sampling Results Summary as of 10/19 attached.

Manpower hours for EMRP on 10/19/01:

Paul Bennett	Pier 92	10:30 AM - 10:30 PM	12 hrs
Frank Vazquez	Command Bus	12:00 AM - 12:00 PM	12 hrs
Robert Kepich	Command Bus	12:00 PM - 12:00 AM	12 hrs
Joe Scafidi	Command Bus	off	

-end-

Fax:

Oct 19 2001 22:05 P.02

OSHA SAMPLING RESULTS SUMMARY AS OF 10/19

Asbestos: A total of 531 air monitoring samples for asbestos have been taken. From 9/13 -9/22, 177 samples were taken in the financial district. They were taken on OSHA personnel as they walked within certain predetermined zones. Results revealed asbestos concentrations ranging from ND to .037 f/cc., well below OSHA's permissible exposure limit (PEL) of .1 f/cc.

After 9/22, sampling focused on the rubble pile (the keystone area of the map) where 32 of 210 samples exceeded OSHA's limit via PCM analysis. However, upon further analysis using discriminating counting methods and/or TEM analysis, the number of asbestos fibers found dropped dramatically to below detectable levels or well below .1 f/cc.

Sampling at Pier 25 where trucks carrying the debris are being offloaded by crane to barge revealed no detectable asbestos.

Carbon Monoxide: Thirty-one personal samples for workers on the rubble pile showed results ranging from 1 ppm to 34 ppm well below the OSHA 50 ppm permissible exposure limit

Noise: As of 10/14, OSHA has been conducting noise monitoring in the rubble pile (the keystone area of the map). Five personal samples have been conducted on employees performing (or working near) various operations such as jack hammering. Employee's exposure to the noise range from 84 dBA to 89 dBA. OSHA's permissible noise exposure for construction is 90 dBA

Silica: As of October 18th, the overwhelming majority of the 168 silica samples show no detectable levels of airborne silica. The highest sample result was approximately twice the OSHA limit, whereas the next highest level was less than half of this limit. Both of these levels were found on personnel working in the rubble pile; an area where OSHA continues to encourage the use of respiratory protection.

VOCs As of October 18th, OSHA has taken 155 samples for volatile organic compounds (VOCs) such as acetaldehyde, acrylonitrile, acrolein, benzene, 2-butanone, chlorodiphenyl (PCB), dioxin, ethyl benzene, formaldehyde, hexone, isocyanates, perchloroethylene, styrene, toluene, trichloroethylene, vinyl chloride and xylene. Screening samples initially showed elevated levels of some organic chemicals resulting from the fires burning in the rubble pile. Subsequent personal and area samples show worker exposure levels to be below OSHA limits. However, one personal sample result for benzene was found to be at the 8hr OSHA Allowable Limit concentration of 1ppm. This was found on a backhoe operator moving debris.

Metals: As of 10/16, OSHA has taken 235 air samples to monitor worker exposures to dusts, fumes, oxides, and other compounds of metals such as antimony, beryllium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, vanadium, zinc, cadmium, magnesium, arsenic, and mercury. Results from these samples are generally well below the applicable OSHA limits. However, torch cutting and burning structural steel at the pile have resulted in instances of over exposures as follows: copper (6); iron oxide (6); lead (1); cadmium (3). Accordingly, OSHA is recommending that workers engaged in these operations wear appropriate respiratory protection.

Other Analysis: OSHA is sampling for dioxin, isocyanates and oxides of nitrogen. Results are pending

TRAINING FUND**International Union of Operating Engineers**

Affiliated with the A.F.L.-C.I.O.

Office of

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World Trade Center
Emergency Project**Attention:**

The International Union of Operating Engineers Local 14-14B's training school will be conducting a seminar on Sunday, October 21, 2001 in:

"Trenching and excavation safety, soil analysis, use of protective systems and the requirements of OSHA 1926.650-2 standard excavations and the new ANSI standards A10.12 excavation."

The new ANSI standard A10.12, excavation states:

- "2.2 The contractor's or subcontractor's responsibilities. The contractor or subcontractor shall prepare an excavation safety and health plan and shall:
 - 2.2.1 Designate an excavation competent person to implement this standard.
 - 2.2.2 Instruct each employee in the recognition and avoidance of unsafe conditions and the regulations applicable to his/her work environment to control and eliminate any hazards or other exposure to illness or injury;
 - 2.2.3 Prepare a record which contains the identity of each employee, the date of training, and the means used to verify that the employee understood the training."

The class will be held in the auditorium in PS I 89 at 9AM. We will also cover 29 CFR 1926.850 subpart T, demolition.

If you have any further questions, please contact James P. Conway at (718) 358-8476.

