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Subject: WTC Indoor Air WORK GROUP 3/28 Meeting Minutes

Attached are the minutes from the March 28, 2002 WTC Indoor Air WORK GROUP Meeting:

(See attached file: wtciawgMeetmin328.wpd)

Nancy C. Maltais
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wtciawgMeetmin328.wpd

Meeting Minutes
EPA Indoor Air Working Group Meeting
290 Broadway, RM 2829
March 28, 2002

Attendees: Kathy Callahan, EPA Region 2
Dore LaPosta, EPA Region 2
Berry Shore, EPA Region 2
George Pavlou, EPA Region 2
Mike Debonis, EPA Region 2
Mark Maddaloni, EPA Region 2
Bob Fitzpatrick, EPA Region 2
Dick Salkie, EPA-ORD
Arthur Block, ATSDR-Region 2
Robert Chinery, NYSDOH
Jim Miller, NYCDOH
Nancy Jeffery, NYCDOH
Chris D'Andrea, NYCDOH
Jeanine Prud'Homme, NYCDOH
Sylvia Pryce, NYCDCAS
Michael Gilsena, NYCDEP
Lee Ilan, MOEC
Doug Williamson, Plargraphics/DOITT
Robert Garvey, OSHA
David Adams, OSHA

Via Telephone Dana Tulis, EPA-HQ/OERR
Terry Smith, EPA-HQ/OERR
Peter Grevatt, EPA-HQ/OSWER
John Schaum, EPA-ORD
Sven Rodenbeck, ATSDR

Items discussed:

1. Contaminants of Concern (COC)/Workgroup Activities
There will be three tiers of exposure; immediate action, intermediate risk and out-the-door or low risk.
 - The following COCs are being considered
 - asbestos
 - refractive ceramic glass
 - silica
 - fibrous glass
 - dioxin

- lead
 - PAHs
- The following COCs are still under consideration
 - gypsum
 - Lime
 - calcite
 - portlandite
- The following COCs are candidates for deletion
 - PCBs
 - PBDEs
 - chromium
 - cadmium
 - mercury
 - benzene
 - mold
- Clearance level will be the higher of background or long-term risk-based numbers
- The workgroup will provide the reasoning behind making a COC a candidate for deletion.
- Background levels are needed for data analysis.
- A recommendation was made to take PAHs off the COC list. However, the existing data should be reviewed before that decision can be made.
- Although no longer airborne, there may be depositions of PAHs and dioxin on surfaces inside the buildings.
- Objectives of the pilot clean-up will include
 - to determine the level of clean-up required to reduce COCs
 - determine how COCs relate to the WTC
 - develop criteria for settled as well as airborne dust
- The workgroup will establish risk-based COC levels by the next meeting.
- The workgroup will have a revised list of COC candidates for deletion by next the next meeting (CNOC - contaminants of no concern).
- A list should be developed of COCs of historical concerns (COHC).

2. Background Study

- Background levels are needed.
- The pilot background study will be a small volume of samples
- EPA will take the lead on designing the study
- EPA will review the indoor air quality data they have available. EPA Region 5 has indoor air quality data on their website. EPA Region 2 will review that information as well.
- A recommendation was made that environmental consultants throughout the city should

- be approached for their existing indoor air data.
- A consistent sampling method is required.

3. The Need for Peer Review/Science Advisory Panel

- Peter said EPA already has a contractor lined up to start the work and there are funds available to support it.
- Submitting our reports and plans for peer review would help gain credibility.
- A recommendation was made that our critics can select panelists.
- Peer review always adds more time to the process.
- Peter Grevatt will provide examples of how the process worked in other situations.
- This process would be useful if it can be made to work.
- Need to decide what would be peer-reviewed, whole approach or single issues

4. Plan for Pilot Clean-up

- The plan is to sample-clean-sample using HEPA vacuuming, regular vacuuming, and wet washing.
- Will start with the broader COC list
- Will continue to work through NYC for list of buildings and accessibility.
- Recommendation made that pilot effort try to evaluate dust exposure to an individual while cleaning.
- There were 10 buildings identified as untouched in the Greenwich Street/Cedar Street/Liberty Street and Church Street area.
- NYC's legal department will coordinate with EPA's Office of Regional Counsel regarding this information.
- The exteriors need to be cleaned before the Pilot clean-up can be done inside the buildings.
- Questions will be asked about what the exposure risk was to those who already performed self-cleaning.
- OSHA's personal monitoring data collected during earlier cleaning activities shows very low levels. OSHA will share this data with the workgroup.
- ATSDR will be providing a report to the workgroup in May.

5. Status of NYCDEP Efforts for Building Clean-up

- 258 buildings have been sampled. Bulk and air samples have been taken. Report shared with group.
- There is existing data available for NYC-owned or leased buildings.
- Bids are due next week for the air monitoring contracts associated with the exterior building clean-ups.
- NYC will provide a map of the clean-up area.
- All buildings in the area are being cleaned regardless of contamination levels.
- Some building owners did their own exterior cleaning. NYC will visually inspect these buildings prior to cleaning or removing them from the list.
- The workgroup needs to come up with a communication plan to respond to the public

when asked about public exposure during clean-up activities.

Note: All data supplied to the workgroup at this time is for internal use only.

Next meeting: April 4, 2002 at 10:00 AM - 12:00 PM @ 290 Broadway.