



WTC INDUSTRIAL HYGIENE ELEVATED EXPOSURE NOTICE

Date: 03/14/2002

To: Ray Master

CC: DDC- Bob Adams
LMIG- John Rabovsky
ATC- Mike Donovan
LMIG- IH File

From: Donald Weber

RE: Elevated Exposures

Ray,

*03/15/02 - Spoke w D. Weber. Requested
he do a database search of
all drilling results and to
separate data outside + inside
B-6. Considering making all
drilling operations in Bldg. 6
a full facepiece respirator*

Attached are Elevated Air Sample Result Notifications for samples analyzed from 3/12/02 to 3/13/02. Elevated exposures are defined as above 50 % of the shift adjusted time weighted average (TWA) Occupational Exposure Limit (OEL) for the purpose of this notification.

These sample results are provided to you for distribution. You indicated that you will provide these to the contractor involved. The contractor affected were:

- Nicholson

The following is a summary of the elevated exposure information that is attached:

- Elevated **quartz** concentrations as follows:
 - **15833% and 512%** of the shift adjusted OEL while **drilling** in WTC 6. These concentrations represent 158 times and 5 times the shift adjusted OEL.
- Elevated **respirable dust** concentrations as follows:
 - **667%** of the shift adjusted OEL while **drilling** in WTC 6.

The higher exposure occurred with Drill DK 55. The lower of the two elevated exposures occurred with machine #87. Each worker wore respiratory protection in the form of NIOSH ½ mask respirators and P100 filters. It is important that proper use of respiratory protection be enforced until such time as is feasible controls are identified and can be implemented to reduce exposures to levels below the shift adjusted OEL. Repeat sampling is planned in an effort to further characterize this exposure. At this point, Full Face piece respirators with P100 filters could be made available to drill operators (voluntarily) pending additional sample results.

I am available to consult on controls for these operations.

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These notifications are provided to you to ensure that this information is provided to employees and that appropriate control, PPE, and training action is taken by the contractor.

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