PLAINTIFF'S EXHIBIT

UC-3003

UNION CARBIDE

INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION

R. W. Gilbert
2002-1
512

October 7, 1986

HS&EA

Industrial Hygiene

Asbestos Exposure Monitoring - Construction Storeroom

B. H. Avashia, M.D.
W. L. Browning
C. P. Maxwell
B. R. McMakin
C. W. Ware

Attached are the results of the Asbestos monitoring performed in the Construction Storeroom, Building 2002, at Institute on August 19 and 26, 1986. The initial monitoring was done on August 19, 1986 and the follow-up on August 26, 1986. R. W. Cutlip and M. V. Burdette were monitored while dispensing asbestos gaskets to be used in field applications.

R. W. Cutlip and M. V. Burdette were equipped with Half-face respirators containing HEPA filters while pulling gaskets. This would indicate that their actual inhalation exposures were lower than the reported concentrations.

The exposure monitoring that was performed on August 19, 1986 on R. W. Cutlip indicated levels that would be considered high if this many gaskets (80-100 per hour) were dispensed over several hours. A Time Weighted Average was not determined because R. W. Cutlip was involved with dusting and cleaning out bins the remainder of the day, which could have caused exposure.

The samples collected on August 26, 1986 on M. V. Burdette as a follow-up for long term sampling, show that the air concentration of Asbestos was below the 0.1 fiber/cc action level, but also note that she only pulled 14 gaskets.

It is recommended that the gasket bins be cleaned once a month with a vacuum cleaner equipped with a HEPA filter and that the gaskets be vacuum cleaned before placing in the bins. This would considerably eliminate exposure potential to asbestos fibers. When the job is expected to last for several hours the employee must wear recommended protective equipment for asbestos and take a shower at the end of the day. We also recommend that the asbestos gasket pulling job should be assigned to only those personnel who have been trained, in the OSHA asbestos standard, and know the hazards of the material.

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Please notify R. W. Cutlip and M. V. Burdette of their monitoring results as soon as possible. Please have them sign and date this report and return to M. A. Patel at Building 701-330.

If we can be of further assistance, please call us on extension 4779 or 3750.

WORK BY:

Vance E. Stover

APPROVED BY:

Manhar A. Patel

Attachment

VES:MAP:rab
1777P

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ASBESTOS EXPOSURE MONITORING

Comp. ref. W2010
W2019

Date	Sample Type/ Employee Name	Sampling Time	Air Conc. fibers/cc	TWA8 fibers/cc	COMMENTS
8-19-86	Personal/ R. W. Cutlip	29 mins.	0.76	-	Collected while pulling 40-50 gaskets from bins for dispensing to job site.
8-19-86	Area	5 hrs 3 min.	0.013	-	Collected on the right - on the shelf opposite gasket bins - near aisleway.
8-19-86	Area	5 hrs 8 min.	0.011	-	Collected on the left - on the shelf opposite gasket bins.
8-26-86	Personal/ M. V. Burdette	7 hrs 11 min.	0.045	0.040	Collected while pulling 14 gaskets from bins for dispensing to the job site.
8-26-86	Area	7 hrs 12 min.	0.015	-	Collected in the center of the shelves directly across from the gasket bins.
8-26-86	Area	7 hrs 11 min.	0.023	-	Collected on the right - in shelves opposite gasket bins.

ASBESTOS
Permissible Exposure Level
TWA8 0.2 fibers/cc OSHA

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