



INTERNAL
CORRESPONDENCE

UNION CARBIDE CORPORATION TECHNICAL CENTER
P.O. BOX 8361 SOUTH CHARLOTTE, N.C. 28211

TO: F. R. Sunderland

DATE: October 13, 1986

FROM:

DEPARTMENT: HS&EA

SUBJECT: Industrial Hygiene

TO: B. H. Avashia, M.D.
J. W. Barna
W. L. Browning
T. L. Collins
M. R. Gandee
C. P. Maxwell
B. R. McMakin

SUBJECT: Asbestos Exposure Monitoring

Attached are the results of the Asbestos monitoring done on three insulators and one laborer on October 8, 1986. They were monitored while removing approximately 50 linear feet of insulation from a 6-inch steam line. The work was done at the Institute plant's chlorine dock.

They were equipped with two pair of coveralls, head cover, boots, gloves, and an AO R57-A HEPA-half-face cartridge respirator. Their outer coverall was removed before leaving the barricaded area and the employees showered before going home. They indicated that they had not worked with asbestos materials before this monitoring period.

The monitoring results indicate that the sample collected on S. R. exceeded the 0.20 fiber/cc Permissible Exposure Level (PEL), established by OSHA for an 8-hour workday (TWAg). The sample collected on was very close to the 0.10 fiber/cc Action Level, also established by OSHA, and will be assumed to have been exceeded, statistically. A filter cassette was dropped into the river, therefore her sample was voided. A sample, along with area samples collected inside and outside of the barricaded area, were well below permissible levels. This would indicate that the amount of area declared off-limits was sufficient.

In the future, we recommend that a double check be made to assure that the steam has been cut off, if at all possible, and that the steam line and insulation has cooled down. Hopefully this will eliminate the evaporation of the wetting agent and help to contain the airborne fibers.

October 13, 1986

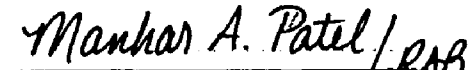
Please notify
of their exposure monitoring results as soon as possible. Please
have them sign and date this report and return to M. A. Patel at Building
701-330.

If you have any questions or if we can be of further assistance,
please call us on extension 4779 or 3750.

WORK BY:

APPROVED BY:


Vance E. Stover


Manhar A. Patel

Attachment

VES:MAP:rab
1800P

ASBESTOS EXPOSURE MONITORING

Comp. Ref. W2047

<u>Date</u>	<u>Sample Type/ Employee Name</u>	<u>Job Classification</u>	<u>Sampling Time</u>	<u>Air Conc. fibers/cc</u>	<u>TWAg fibers/cc</u>	<u>COMMENTS</u>
10-8-86	Area	-	5 hrs 9 min.	0.0105	-	Collected inside of the barricaded area beneath the pipe rack near the on-ramp.
10-8-86	Area	-	5 hrs 6 min.	0.0018	-	Collected outside of the barricaded area near the barge.
10-8-86	n	Insulator	5 hrs.	0.152	0.095	Collected while stripping and bagging, at the point of removal, approx. 50 linear feet of asbestos with 2 other insulators.
10-8-86		Insulator	4 hrs 56 min.	0.827	0.510	Collected while stripping and bagging, at the point of removal, approx. 50 linear feet of asbestos with 2 other insulators.
10-8-86		Insulator	-	-	-	Voided - Filter cassette was dropped into river. She also was involved with stripping the 50 linear feet of asbestos.
10-8-86		Laborer	4 hrs 49 min.	0.0293	0.0176	Collected while cleaning up the asbestos dropped to the plastic, handling bags, etc.

ASBESTOS

Permissible Exposure Level

TWAg 0.02 fibers/cc OSHA

1800P