



INTERNAL
CORRESPONDENCE

UNION CARBIDE CORPORATION TECHNICAL CENTER
P.O. BOX 8361, SOUTH CHARLESTON, WV 25304

To: H. E. Rucker
From: 512/2009

Date: January 13, 1987

Location:
Area:

Department: EM&TS - HS&EA

Area: Industrial Hygiene

Subject: B. H. Avashia, M.D. - 23
J. W. Barna - 2009/6
W. L. Browning - 2009
T. L. Collins - 740/2318
C. P. Maxwell - 701/2
B. R. McMakin - 2009
F. R. Sunderland - 2009

Asbestos Exposure
Monitoring at the
Institute Plant

Attached are the results of the asbestos monitoring performed while the Construction Department insulators stripped insulation from a 2-inch pipe, located in the pipe rack between Building 9 and the Number 1 powerhouse of Plant 512. An insulator was also monitored while stripping asbestos insulation from miscellaneous lines on a colander near Building 12. There were a total of six insulators and one laborer on the pipe rack job, one of each on the colander job.

All employees were equipped with either an AOR57-A or Willson R12 HEPA cartridge, half-face respirator. They were also equipped with boots, gloves, head sock and 2 pair of coveralls. Each employee indicated that they were wearing no street clothes under the coveralls, and that each showered or would shower before leaving the work place.

The results indicate that all but one sample exceeded, or could have statistically exceeded, the 0.2 fiber/cc Permissible Exposure Level, established by OSHA for an 8-hour workday (TWA₈). The sample that did not exceed the PEL was well above the 0.1 fiber/cc Action Level; also established by OSHA.

The employees indicated that the working quarters, in the pipe rack, was more restricted than the previous monitoring on this job. Since the insulators are working in tighter quarters, you may want to consider taking extra precautions and using more water before, during and after removing the insulation, to keep the airborne fibers at a minimum.

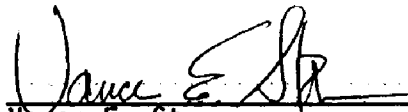
January 13, 1987

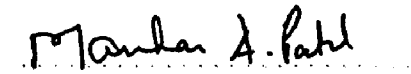
Please notify all employees of their exposure monitoring results as soon as possible. Please have them sign and date this report and return to M. A. Patel at Building 701-330.

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

WORK BY:

APPROVED BY:


Vance E. Stover


Manhar A. Patel

Attachment

VES:MAP:rab
2023P

ASBESTOS EXPOSURE MONITORING

Comp. ref. W2109
W2110

<u>Date</u>	<u>Sample Type/ Employee Name</u>	<u>Sampling Time</u>	<u>Air Conc Fibers/cc</u>	<u>TWAg Fibers/cc</u>	<u>Job Classification</u>	<u>COMMENTS</u>
1-6-87*		7hrs 3min	0.147	0.130	Insulator	Monitored while stripping approx. 20 feet of asbestos from miscellaneous lines on colander near Building 12.
1-6-87		6hrs 48min	0.459	0.390	Insulator	Monitored while stripping approx. 120 feet of asbestos insulation from a 2" pipe located in pipe rack between Bldg 9 and No. 1 powerhouse.
1-6-87		6hrs 37min	0.224	0.185	Laborer	Cleaned loose asbestos that fell to the plastic, etc., under pipe rack.
1-7-87*		6hrs 52min	0.219	0.188	Laborer	Cleaned loose asbestos that fell to the plastic, etc., under pipe rack.
1-7-87		6hrs 43min	0.242	0.203	Insulator	Monitored while stripping approx. 120 feet of asbestos insulation from 2" pipe located in pipe rack between Bldg 9 and No. 1 powerhouse.

*Water was used as wetting agent.

ASBESTOS

Permissible Exposure Level

TWAg	0.2	fibers/cc	OSHA
Action Level	0.1	fibers/cc	

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