UNION CARBIDE INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION TECHNICAL CENTER
P.O. BOX 8361, SOUTH CHARLESTON, WV 25303

PLAINTIFF'S EXHIBIT
UC-2498

To (Name) A. F. Terry
Division 704
Location 511
Area

Date May 27, 1987
Originating Dept EM&TS - HS&EA
Area Industrial Hygiene
Subject Asbestos Exposure Monitoring

Copy to J. E. Llana - 740/2322
C. P. Maxwell - 701/2
R. G. Rowe, M.D. - 791
C. L. Ruddle - 704
R. E. Sergent - 704

Attached are the results of the Asbestos exposure monitoring performed on R. P. Hess and J. W. Greenlee. The monitoring was done on May 7, 1987 while they removed approximately 50 feet of insulation in the Building 705 Electrical room, which was enclosed with a negative pressure enclosure (HEPA filtered). Since it was inside of the electrical room, the removal was done dry.

The insulators were equipped with full face supplied air, 2 pair of coveralls with headcover, boots and coveralls. They showered before reapplying street clothes.

The exposure results indicate that the levels were more than five times the 0.2 fiber/cc Permissible Exposure Level (PEL) established by OSHA. The area sample, collected just outside of the enclosure near the exhaust air stream and an exit, was higher than what we would expect. Extra care should be taken whenever entering or exiting the enclosure to prevent airborne fibers from escaping. An 8-hour Time Weighted Average (TWA_8) was not calculated because it is not known if Asbestos Exposure occurred during the period of time before or after the monitoring.

Since the monitoring results were very high, we require the continuation of wearing Full Face Supplied Air, even if the Insulators are wearing monitoring pumps. We are also recommending the use of the HEPA Vacuum cleaner located at the source, whenever dry removal takes place, in order to capture fibers immediately upon becoming airborne.

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Please notify R. P. Hess, J. W. Greenlee and F. R. Creech of these monitoring results as soon as possible. (F. R. Creech was involved with the removal but was not monitored.) 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:

Vance E. Stover

APPROVED BY:

Manhar A. Patel
Manhar A. Patel
/RAB

Attachment

VES:MAP:rab
2348P

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Computer ref. W2208

ASBESTOS EXPOSURE MONITORING

Date	Sample Type/ Employee Name	Sampling Time	Air Conc fibers/cc	TWA_8 fibers/cc	COMMENTS
5-7-87	Personal/ R. P. Hess	5hrs 29min	1.139	-	Collected while dry removing approx. 50 feet of Asbestos from steam lines in electrical room.
5-7-87	Personal/ J. W. Greenlee	5hrs 24min	1.136	-	Collected while assisting R. P. Hess i.e., bagging, cleaning up, etc.
5-7-87	Area	5hrs 25min	0.0226	-	Collected just outside of the enclosure near the exhaust air stream (HEPA filtered). An exit door was also established near the fan.

ASBESTOS

Permissible Exposure Level

TWA_8	0.2 fibers/cc	OSHA
Action Level	0.1 fibers/cc	

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