PLAINTIFF'S EXHIBIT

UC-2500

UNION CARBIDE

INTERNAL CORRESPONDENCE

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

A. F. Terry

October 7, 1986

HS&EA

Industrial Hygiene

Asbestos Exposure Monitoring

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Attached are the results of the Asbestos exposure monitoring performed on F. R. Creech and R. E. Raines on September 13, 1986 while stripping Asbestos from miscellaneous valves and lines, during a main steam header shutdown. Most of the work was done inside of Building 707 and 706.

They were equipped with two pair of disposable Tyvek coveralls, boots, gloves and a Willson half-face respirator containing R-12 HEPA filter cartridges. They removed their outer coverall and discarded before exiting each barricaded area and proceeding to the next. Upon completion of the job F. R. Creech and R. E. Raines showered, before reapplying their street clothes.

F. R. Creech had not worked with Asbestos containing materials before or after the monitoring period. However, R. E. Raines did work with insulation (Asbestos) after his monitoring pump shut down, due to low flow. Therefore a Time Weighted Average cannot be reported for Mr. Raines.

F. R. Creech's exposure monitoring results indicate that the levels were below the Permissible Exposure Level (PEL) of 0.2 fiber/cc, established by OSHA for an 8-hour workday (TWA_8). However, the levels were above the action level of 0.1 fiber/cc also established by OSHA. R. F. Raines' breathing zone air concentration was 0.221 fiber/cc, which indicates that his average exposure would be in excess of 0.1 fiber/cc (action level), even after assuming no exposure to Asbestos during balance of the day.

We are recommending more water (when possible) and more care in stripping and cleaning up the Asbestos.

Please notify F. R. Creech and R. E. Raines 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 or if you have any questions, please contact us on extension 4779 or 3750.

WORK BY:

Vance E. Stover

APPROVED BY:

Manhar A. Patel

Attachment

VES:MAP:rab
1779P

ASBESTOS EXPOSURE MONITORING

Comp. ref. W2035

Date	Sample Type/ Employee Name	Sampling Time	Air Conc. fibers/cc	TWA_8 fibers/cc	COMMENTS
9-13-86	Personal/ F. R. Creech	5 hrs 53 min.	0.164	0.103	Collected while stripping and cleaning up Asbestos from miscellaneous valves, lines, etc. during steam header shutdown.
9-13-86	Personal/ R. E. Raines	4 hrs 32 min.	0.221	-	Collected while stripping and cleaning up Asbestos from miscellaneous valves, lines, etc. A Time Weighted Average (TWA_8) was not reported because his sampling pump shut down because of low flow (pinched sample train). Therefore, he had Asbestos exposure that did not show on the sample.

ASBESTOS

Permissible Exposure Level

TWA_8 0.2 fibers/cc OSHA

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