PLAINTIFF'S EXHIBIT

UC-2774

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
- Building 726

T. L. Collins
P. D. Gossage
C. P. Maxwell
R. G. Rowe, M.D.
C. L. Ruddle
R. E. Sergent

Attached are the results of the Asbestos exposure monitoring performed on R. P. Hess and F. R. Creech on September 2, 1986 and September 3, 1986. They were monitored while stripping Asbestos from steam lines outside and inside of the Building 726 compressor room.

R. P. Hess and F. R. Creech were equipped with 2 pair of Tyvek disposable coveralls, boots, gloves and a half-face respirator equipped with Willson R-12 HEPA filter cartridges. The outer pair of coveralls was removed and disposed before leaving the barricaded area. They went directly to the shower (781), decontaminated, removed inner coveralls and showered (clean shower), before reapplying street clothes.

The monitoring results indicate that outside of the building, the level was below the Permissible Exposure Level (PEL) of 0.2 fibers/cc, established by OSHA for an 8-hour workday (TWA_8). However, inside of the compressor room the exposure levels exceeded the TWA_8 limit of 0.2 fiber/cc. An 8-hour TWA_8 was established because the employees had no exposure to asbestos before or after the monitoring periods on each day.

The high levels found inside of the building could be due to the hot surface of the steam line which may have precluded adequate wetting of the insulation. As we have recommended in the past, the steam lines should be shut off and allowed to cool when possible. When steam lines can not be shut off, it will require extra precautions in removing insulation to keep the asbestos levels down.

UCC 024782

Please notify R. P. Hess and F. R. Creech 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 or if you have any questions, please call us on extension 4779 or 3750.

WORK BY:

Vance E. Stover

APPROVED BY:

Manhar A. Patel

Attachment

VES:MAP:rab
1778P

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ASBESTOS EXPOSURE MONITORING

Comp. ref. W2026
W2027

Date	Sample Type/ Employee Name	Sampling Time	Air Conc. fibers/cc	TWA_8 fibers/cc	COMMENTS
9-2-86	R. P. Hess	1 hr 12 min.	0.346	0.0519	Collected while stripping asbestos from steam line outside of 726 compressor room
9-2-86	F. R. Creech	1 hr 9 min.	0.100	0.014	Collected while stripping asbestos from steam line outside of 726 compressor room.
9-3-86	F. R. Creech	1 hr 15 min.	1.428	0.223	Collected while stripping asbestos from steam line inside of 726 compressor room.
9-3-86	R. P. Hess	1 hr 15 min.	2.642	0.413	Collected while stripping asbestos from steam line inside of 726 compressor room.

ASBESTOS
Permissible Exposure Level
TWA_8 0.2 fibers/cc OSHA

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