PLAINTIFF'S EXHIBIT

UC-2998

UNION CARBIDE

INTERNAL CORRESPONDENCE

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

To (Name) H. E. Rucker
Division 512/2009
Location
Area

Date June 12, 1987

Originating Dept. EM&TS - HS&EA

Area Industrial Hygiene

Subject Asbestos Exposure Monitoring

Copy to B. H. Avashia, M.D. - 512/23
J. W. Barna - 2009/6
W. L. Browning - 2009
R. E. Coyner - 2009
C. P. Maxwell - 701/2
B. R. McMakin - 2009

Attached are the results of asbestos exposure monitoring for three days on insulators at the Institute Plant while removing asbestos on a 3-inch steam line and a 4-inch product line at the #1 dock area in an enclosure. The area enclosed was 5.5 x 6.5 x 200 feet or 7150 ft^3. HEPA exhaust was 120,000 ft^3 per hour which is equivalent to 16 air changes per hour. The area enclosed was along the roadway and the dike wall between the #1 and #2 docks. The area was barricaded while enclosure was in place.

Seven out of eight personal exposure samples exceeded the 0.2 fiber/cc permissible exposure level standard and the eighth exceeded the 0.1 fiber/cc action level standard. We encourage you to use supplied air respirators as much as possible in the asbestos abatement procedures. Please communicate to your employees the need for the utmost care and precaution while removing asbestos.

Employees wore two pair of coveralls, headcovers, boots, gloves and AO R57-A half-face HEPA cartridge respirators. No street clothes were worn. They showered before lunch and at the end of the workday before leaving plant.

Please inform S. R. Erskine, B. J. Agosti, P. K. Snodgrass and C. B. Clendenin of their exposure monitoring results as soon as possible. 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:

Vance E. Stover & H. J. Kimble

APPROVED BY:

Manhar A. Patel

Attachment

VES:HJK:MAP:rab
2384P

Comp. Ref. W2216
W2217
W2218

ASBESTOS EXPOSURE MONITORING

Date	Sample Type/ Employee Name	Sample Time	Air Conc. Fibers/cc	TWA8 Fibers/cc	COMMENTS
5-6-87	Personal/ B. J. Agosti	7hr 1min	0.495	0.433	Stripped, bagged and vacuumed appx. 200 feet of 3 and 4-inch lines in enclosure at #1 Dock area.
5-6-87	Personal/ P. K. Snodgrass	7hr 0min	0.547	0.478	Stripped, bagged and vacuumed appx. 200 feet of 3 and 4-inch lines in enclosure at #1 Dock area.
5-7-87	Personal/ B. J. Agosti	7hr 4min	0.402	0.355	Stripped, bagged and vacuumed appx. 120 feet of 3 and 4-inch lines in enclosure at #1 Dock area.
5-7-87	Personal/ S. R. Erskine	6hr 58min	0.496	0.432	Stripped, bagged and vacuumed appx. 120 feet of 3 and 4-inch lines in enclosure at #1 Dock area.
5-7-87	Personal/ P. K. Snodgrass	6hr 58min	0.231	0.201	Stripped, bagged and vacuumed appx. 120 feet of 3 and 4-inch lines in enclosure at #1 Dock area.
5-7-87	Personal/ C. B. Clendenin	7hr 1min	0.280	0.246	Stripped, bagged and vacuumed appx. 120 feet of 3 and 4-inch lines in enclosure at #1 Dock area.
5-8-87	Personal/ C. B.Clendenin	6hr 46min	0.157	0.132	Stripped, bagged and vacuumed approx. 80 feet of 3 and 4-inch lines in enclosure then cleaned lines at #1 Dock area.
5-8-87	Personal/ S. R. Erskine	6hr 43min	0.503	0.422	Stripped, bagged and vacuumed approx. 80 feet of 3 and 4-inch lines in enclosure then cleaned lines at #1 Dock area.

Comp. Ref. W2216
W2217
W2218

ASBESTOS EXPOSURE MONITORING
(Continued)

Date	Sample Type/ Employee Name	Sample Time	Air Conc. Fibers/cc	TWA_8 Fibers/cc	COMMENTS
5-8-87	AREA	6 hr 32min	0.003	0.003	Inlet to HEPA Filtering system for enclosure at #1 Dock area.
5-8-87	AREA	6 hr 43min	0.009	0.007	Outlet to HEPA Filtering exhaust for enclosure at #1 Dock area.

389P