PLAINTIFF'S EXHIBIT

UC-3001

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 April 27, 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
C. P. Maxwell - 701/2
B. R. McMakin - 2009
F. R. Sunderland - 2009

Attached are the results of the asbestos exposure monitoring for three days on insulators at the Institute Plant while stripping a 3-inch dowtherm line with a live 1-inch steam tracer. The lines are located in the overhead piperack south of Building 9 and north of Street B. Glove bags were not used because of the live steam line and the pipes were not enclosed for this asbestos removal project because it was not feasible to enclose according to the Construction Department and the 512 Plant Industrial Hygiene Department. Employees used a powered man-basket to reach the lines being stripped.

All personal exposure samples, except one, show levels below 0.1 f/cc Action Level standard established by OSHA. A statistical analysis of the TWA_8 data proves the 0.14 f/cc result on 4-15-87 (Action Level is 0.1 f/cc) is not an outlier at the 99, 95 and 90% confidence levels, thus employees have to be monitored while Asbestos stripping without glovebags and/or enclosures and wearing half-face HEPA cartridge respirators. However, the exposure monitoring may not be required in some instances where supplied air respirator in a positive pressure mode is used while stripping asbestos insulation.

Employees wore no street clothes, two pair of coveralls, headcovers, boots, gloves and AOR57A half-face respirators equipped with HEPA filters. They showered before lunch and at the end of the workday before leaving plant.

Please inform P. K. Snodgrass, B. J. Agosti, C. B. Clendenin and S. R. Erskine 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 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
2263P

Comp. Ref. W-2177
W-2178
W-2179

ASBESTOS EXPOSURE MONITORING

Date	Sample Type/ Employee Name	Sampling Time	Air Conc. fibers/cc	TWAs fibers/cc	COMMENTS
4-14-87	Personal/ P. K. Snodgrass	6hrs 57min	0.087	0.076	Groundman, collected and vacuumed bags. Approx. 70 feet of line stripped.
4-14-87	Personal/ B. J. Agosti	6hrs 57min	0.079	0.068	Used man-basket to reach and strip approx. 70 feet of line.
4-14-87	Personal/ C. B. Clendenin	6hrs 55min	0.044	0.038	Used man-basket to reach and strip approx. 70 feet of line.
4-15-87	Personal/ B. J. Agosti	6hrs 41min	0.015	0.012	Groundman, collected and vacuumed bags. Approx. 25 feet of line stripped.
4-15-87	Personal/ S. R. Erskine	6hrs 35min	0.171	0.140	Used man-basket to reach and strip approx. 25 feet of line.
4-16-87	Personal/ S. R. Erskine	6hrs 14min	0.114	0.089	Used man-basket to reach and strip approx. 20 feet of line.
4-16-87	Personal/ P. K. Snodgrass	6hrs 10min	0.054	0.042	Used man-basket to reach and strip approx. 20 feet of line.
4-16-87	Personal/ C. B. Clendenin	6hrs 7min	0.014	0.011	Used man-basket to reach and strip approx. 20 feet of line.

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