

UV-0098 #86



INTERNAL
CORRESPONDENCE

PLAINTIFF'S EXHIBIT

UC-4309

UNION CARBIDE CORPORATION TECHNICAL CENTER

P.O. BOX 8000, SOUTH CARBIDE, CT 06488-0000

To: H. E. Rucker
From: 512/2009

Date: September 28, 1987

Reporting Dept: EM&TS - HS&EA

Area: Industrial Hygiene

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

Subject: Asbestos Exposure Monitoring

Attached are the results of the nine days asbestos monitoring on insulators at the Institute Plant while removing asbestos from approx. 715 feet of pipe at the Cellosize Unit, Building 79 piperack. The area was barricaded and amended water was used throughout the abatement process. An enclosure was not used. The reasons for not enclosing the job were documented and subsequently reviewed by the UCC Law Department and Industrial Hygiene Department in Danbury, CT.

Only one of the 21 personal samples exceeded the 0.2 fiber/cc permissible exposure level of OSHA standard 29CFR 1926.58. Six of the 21 personal samples exceeded the 0.1 fiber/cc action level of the same standard. None of the four area samples collected outside the barricade exceeded the action level of 0.1 fiber/cc of this standard.

Employees wore no street clothes, two pair of coveralls, headcovers, boots, gloves and AO R57-A HEPA half-face cartridge respirators.

Please inform _____ of the monitoring results as soon as possible. Have them sign and date this report and return to M. A. Patel at 511/701-330.

UCC 011348

Asbestos Monitoring - cont.

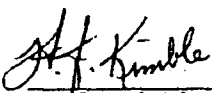
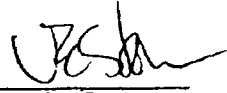
-2-

September 28, 1987

If you have any questions or we can be of further assistance please call us on extension 3750 or 6485.

WORK BY:

APPROVED BY:

 
H. U. Kimble & V. E. Stover


Manhar A. Patel

Attachment

VES:MAP:rab
2717P

Comp. Ref. W2299
W2300 W2301
W2302 W2303
W2304 W2305
W2306 W2307

ASBESTOS EXPOSURE MONITORING

<u>Date</u>	<u>Sample Type/ Employee Name</u>	<u>Sampling Time</u>	<u>Air Conc. fibers/cc</u>	<u>TWAg fibers/cc</u>	<u>COMMENTS</u>
6-30-87		421 min.	0.063	0.046	Stripped approx. 100 feet of 1-inch steam line at Building 79, Cellosize piperack.
6-30-87		422 min.	0.134	0.118	Stripped approx. 100 feet of 1-inch steam line at Building 79, Cellosize piperack.
6-30-87		422 min.	0.074	0.065	Stripped approx. 100 feet of 1-inch steam line at Building 79, Cellosize piperack.
7-1-87		428 min.	0.058	0.052	Stripped approx. 60 feet of 1/2 and 1-inch steam line at Building 79, Cellosize piperack.
7-1-87		428 min.	0.083	0.074	Stripped approx. 60 feet of 1/2 and 1-inch steam line at Building 79, Cellosize piperack.
7-2-87		428 min.	0.025	0.022	Stripped approx. 100 feet of 1/2 and 1-inch steam line at Bldg. 79, Cellosize piperack.
7-2-87		427 min.	0.025	0.022	Stripped approx. 100 feet of 1/2 and 1-inch steam line at Bldg. 79, Cellosize piperack.
7-2-87		426 min.	0.072	0.064	Stripped approx. 100 feet of 1/2 and 1-inch steam line at Bldg. 79, Cellosize piperack.
7-6-87		420 min.	0.056	0.049	Stripped approx. 85 feet of 1/2 and 1-inch steam line at Building 79, Cellosize piperack.
7-6-87		422 min.	0.083	0.073	Stripped approx. 85 feet of 1/2 and 1-inch steam line at Building 79, Cellosize piperack.

Comp. Ref. W2299
W2300 W2301
W2302 W2303
W2304 W2305
W2306 W2307

ASBESTOS EXPOSURE MONITORING
(continued)

<u>Date</u>	<u>Sample Type/ Employee Name</u>	<u>Sampling Time</u>	<u>Air Conc. fibers/cc</u>	<u>TWAg fibers/cc</u>	<u>COMMENTS</u>
7-7-87		423 min.	0.140	0.125	Stripped approx. 100 feet of 6-inch line at Building 79, Cellosize piperack.
7-7-87		423 min.	0.199	0.176	Stripped approx. 100 feet of 6-inch line at Building 79, Cellosize piperack.
7-7-87		423 min.	0.052	0.046	Stripped approx. 100 feet of 6-inch line at Building 79, Cellosize piperack.
7-8-87		424 min.	0.035	0.031	Stripped approx. 100 feet of steam condensate line at Building 79, Cellosize piperack.
7-8-87		422 min.	0.263	0.231	Stripped approx. 100 feet of steam condensate line at Building 79, Cellosize piperack.
7-8-87		423 min.	0.136	0.119	Stripped approx. 100 feet of steam condensate line at Building 79, Cellosize piperack.
7-13-87		410 min.	0.163	0.140	Stripped approx. 90 feet of steam condensate line at Building 79, Cellosize piperack.
7-13-87	Area	409 min.	<0.007	-	Breathing zone level at west side of barricade 1-foot outside.
7-13-87	Area	408 min.	0.010	-	Breathing zone level at east side of barricade 1-foot outside.
7-14-87		425 min.	0.026	0.023	Stripped approx. 80 feet of 6-inch line at Building 79, Cellosize piperack.
7-14-87		425 min.	0.053	0.047	Stripped approx. 80 feet of 6-inch line at Building 79, Cellosize piperack.

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ASBESTOS EXPOSURE MONITORING
(continued)

<u>Date</u>	<u>Sample Type/ Employee Name</u>	<u>Sampling Time</u>	<u>Air Conc. fibers/cc</u>	<u>TWAg fibers/cc</u>	<u>COMMENTS</u>
7-14-87	Area	428 min.	0.013	-	At breathing zone level 1-foot west of barricade.
7-15-87		427 min.	0.218	0.194	Stripped approx. 100 feet of 6-inch line at Building 79, Cellosize piperack.
7-15-87		429 min.	0.058	0.051	Stripped approx. 100 feet of 6-inch line at Building 79, Cellosize piperack.
7-15-87	Area	430 min.	0.063	-	At breathing zone level 1-foot east of barricade.

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