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UNION CARBIDE CORPORATION TECHNICAL CENTER
P.O. BOX G-35, SOUTH CHARLESTON, WV 25303

PLAINTIFF'S EXHIBIT
UC-2483

BUSINESS CONFIDENTIAL
A. F. Terry
704 Shop
511

July 24, 1986

HS&EA

Industrial Hygiene

Asbestos Exposure Monitoring

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

Attached are the results of the Asbestos monitoring done in Building 770 on June 23, 1986. R. E. Raines and R. P. Hess were monitored while they removed approximately 15 feet of Asbestos from a steam line inside of the S-5 air handler during off-hours. They were equipped with disposable coveralls, boots, disposable dust mask, gloves and head cover.

The air handler was shut down and the area was barricaded. Plastic was put on the floor, under the steam line, and excess water was used for wetting down the insulation. The Asbestos insulation, as well as the plastic was removed very diligently. The floor was flooded with water and vacuumed.

The sample results show that for the very short sampling time, the potential exposure to Asbestos was low. If it was averaged over an 8-hour period, it would be well below the permissible exposure level of 2 fiber/cc of air. An 8-hour average was not established because both R. E. Raines and R. P. Hess indicated that they worked with insulation, that may have contained Asbestos, earlier in the day before this job was done.

Please inform R. E. Raines and R. P. Hess of their exposure results and if we can be of further assistance, please call us on extension 4779 or 3750.

WORK BY:

Vance E. Stover

Vance E. Stover

APPROVED BY:

Manhar A. Patel

Manhar A. Patel

VES/jac
1512P

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ASBESTOS EXPOSURE MONITORING

Date	Sample Type Employee Name	Sampling Time	Air Conc Fibers/cc	TWA_8 Fibers/cc	Comments
6-23-86	Personal/ R.E. Raines	59 min	0.928	-------	Collected while removing and bagging 15 feet of Asbestos from 770-S-5 Air Handler
6-23-86	Personal/ R. P. Hess	58 min	1.35	--------	Collected while removing and bagging 15 feet of Asbestos from 770-S-5 Air Handler
6-23-86	Area	1 hr 3 min	0.420	--------	Collected inside of Air Handler about waist high setting on precipitron.

Asbestos

Permissible Exposure Levels*

TWA_8 2 fibers/cc OSHA
Ceiling 10 fibers/cc

* OSHA Guidelines in effect at time of monitoring.

1512P

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