WV-0234 #83

UNION CARBIDE CORPORATION
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SOUTH CHARLESTON, WEST VIRGINIA

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MEMORANDUM

J. W. KARN

November 26, 1984

PLAINTIFF'S EXHIBIT
UC-3053

TO: J. W. Karn
Sistersville Plant

COPY: B. H. Avashia, M.D.
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FROM: M. F. Stowers/R. E. Peele

SUBJECT: Asbestos Monitoring at Sistersville Plant

Attached are the results of asbestos exposure monitoring conducted on May 23, 1984 while construction employees stripped approximately 1600 $ft.^2$ of insulation from a boiler at the Powerhouse.

Sampling was done during both morning and afternoon work sessions. A heavy rain fell during the first hour of morning sampling (9:30 a.m. - 10:30 a.m.). During the second hour the rain gradually tapered off unitl it finally stopped and the sun came out at the end of the morning work period (11:30 a.m.). The weather continued to be warm and sunny throughout the afternoon work session which was begun following the lunch break.

All samples were found to contain levels of asbestos fibers below the present permissible exposure limit of 2.0 fibers per c.c. of air. It may be noticed that fiber concentrations in the afternoon samples are considerably higher than in the morning samples. This is undoubtedly due to the heavy rain experienced during the morning work session. During the afternoon session, portable sprayers were used to wet the insulation. All employees were protected by the use of respirators, gloves, and coveralls during both work sessions. Although all samples were below the present permissible exposure limit (two fibers/c.c.), it is possible that a new OSHA standard may be issued which would reduce the permissible exposure limit to 0.2 or 0.5 fibers per c.c. of air. If this were the case, then all but one of the afternoon samples would be in excess of permissible exposure. It would be advisable to attempt reduction of exposure as much as possible in anticipation of the new standard.

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Please notify all employees involved with the job of their exposure results. If we can be of further assistance please contact us on extension 5129.

Work by: Mario F. Stowers
Mario F. Stowers

Approved by: R E Peele
R. E. Peele

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Personal Exposure Monitoring for Asbestos

at Sistersville Plant

Sample No.	Date	Name/Location	Sampling Time	Fibers/c.c.	Comments
1	5-23-84	Powerhouse; Scaffold level	2 hrs. 5 min. (125 min.)	0.17	Insulator; stripped insulation from boiler; morning sample.
2	5-23-84	Powerhouse; Scaffold level	2 hrs. 10 min. (130 min.)	0.98	Insulator; stripped insulation from boiler; afternoon sample.
3	5-23-84	Powerhouse; Scaffold level	2 hrs. 5 min. (125 min.)	0.08	Laborer; Bagged insulation as soon as stripped; morning sample
4	5-23-84	Powerhouse; Scaffold level	2 hrs. 40 min. (160 min.)	0.45	Laborer; Bagged insulation as soon as stripped; afternoon sample
5	5-23-84	Powerhouse; Scaffold level	2 hrs. 10 min. (130 min.)	0.15	Insulator; Stripped insulation from boiler; morning sample
6	5-23-84	Powerhouse; Scaffold level	1 hr. 30 min. (90 min.)	0.67	Insulator; Stripped insulation from boiler; afternoon sample
7	5-23-84	Powerhouse; Scaffold level	-	-	Insulator; Sample lost during morning work period.
8	5-23-84	Powerhouse; Scaffold level	1 hr. 30 min. (90 min.)	0.60	Insulator; Stripped insulation from boiler; afternoon sample

Note: R. L. Pauley was replaced by L. R. Shaffer for the afternoon work period. Pauley took 1/2 day vacation and was not available for monitoring in the afternoon.

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