PLAINTIFF'S EXHIBIT

UC-3361

UNION CARBIDE

INTERNAL CORRESPONDENCE

FRED

CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name)
Division
Location

Mr. A. S. Howard
Mr. D. R. Paugh
Mr. H. L. Reveal
Mr. E. C. Shipley

Copy to

Mr. J. W. Biddle
Mr. C. W. Carman
Mr. G. F. Hurley
Mr. L. R. Noble
Mr. F. Williams

Date: August 25, 1977

Originating Dept.: IH/EP

Subject: Asbestos Monitoring at Institute

RECEIVED
AUG 29 1977
FRED WILLIAMS

Gentlemen:

On August 15, 1977, air samples were taken during the removal of insulation possibly containing asbestos from the breech work at the powerhouse at Institute. Two insulators wore personal sampling pumps during the operation. Also, an area sample was taken twenty feet downwind from the job. The area sample indicated a concentration of 0.48 fibers/cubic centimeters while the personal samples indicated concentrations of 2.59 and 2.61 fibers/cubic centimeter. These concentrations are higher than the current OSHA eight-hour, time-weighted average of two fibers/cubic centimeter of air. Therefore, respiratory protective equipment must be worn in the area. Several workers were not wearing respirators at the time the samples were taken. Although water hoses were used to wet the insulation before and during removal, some insulators were working ahead of the water hoses and stirring up clouds of dust. Wetting with water significantly reduces emission of airborne dust when properly used.

The above air samples were sampled and analyzed by phase-contrast microscopy using Union Carbide Corporation, Chemicals and Plastics Industrial Hygiene Handbook Method Number 38C-29X4-R1a. This method is identical to the procedures used by NIOSH, the organization responsible for developing methods specified by OSHA.

If we can provide additional assistance, please contact us.

AU406

W. F. Blythe, Jr.

WFBJr/mac

Attachment

UCC 008803

DATE	EMPLOYEE	SAMPLING TIME (MINUTES)	CONCENTRATION FIBERS/CC	TWA FIBERS/CC
08/15/77	R. P. Williams	1032 - 1115 (43)	2.59	2.59
08/15/77	W. G. Adkins	1033 - 1115 (42)	2.61	2.61
08/15/77	Area Sample	1045 - 1118 (33)	0.48	---

AU4067

UCC 008804