PLAINTIFF'S EXHIBIT
UC-3254
#6 (F)

UNION CARBIDE INTERNAL CORRESPONDENCE

CHEMICALS AND PLASTICS • P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Mr. C. W. Carman
Division Mr. L. R. Noble
Location

Date May 6, 1980

Originating Dept. Technical Center IH/EP

Copy to Mr. G. F. Hurley
Mr. H. L. Robinson

Subject Willson #52 Sandblasting Helmet

In response to your request concerning the suitability of the Willson #52 lightweight abrasive blasting helmet, I have gathered the results of dust samples taken under this hood during sandblasting. The Technical Center Industrial Hygiene Department took four total dust and three respirable dust samples under the hoods of Construction sandblasters in 1974 and 1975 with the following results:

Date	Time (Minutes)	Concentration (mg/m3)
8/7/74	286	1.0
8/7/74	235	5.0
8/27/74	189	18.4
9/11/74	154	2.1
1/21/75	65	0.1*
1/21/75	57	0.46*
2/4/75	253	0.5*

*Respirable dust

On all of these samples it was indicated that the vest straps on the blasting hoods were not fastened. Also in 1974-1975, the hoods were cleaned once a week or even less if they were busy. I am not familiar with present operating procedures, but I'm sure better protection is obtained by complete fastening of the hood, frequent cleaning, and insuring that the proper air flow (6 cfm, minimum) is moving through the hood.

Since the abrasive now being used by our Construction sandblasters is "Black Beauty," which contains no free silica, the dust generated is considered nuisance dust. The OSHA permissible exposure limit for nuisance dusts is 15 mg/m^3 for total dust and 5 mg/m^3 for the respirable fraction.

Union Carbide trial exhibit UC-3254: William F. Blythe, Jr. to C. W. Carman and L. R. Noble on Dust Sampling Unde... Published by AsbestosClaims.Law
ACL Doc 18056 · Page 1 of 2 asbestosclaims.law/library/18056/1

I hope this information will facilitate your selection of abrasive blasting helmets. If we can provide additional assistance, please contact us.

William F. Blythe Jr.

William F. Blythe, Jr.

WFBJr/sc

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