UC 149-2

INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION • 270 PARK AVENUE, NEW YORK, NEW YORK 10017

PLAINTIFF'S EXHIBIT
UC-2447

To (Name) Mr. F. H. Larrison
Division Mining & Metals Division
Location King City, CA

Date November 6, 1972
Originating Dept. Medical Department
Answering letter date

Copy to E. A. Piersall
✓J. W. Rawlings
Drs. Welsh/Lane

Subject **CONFIDENTIAL**

Dear Mr. Larrison:

The following are the results of dust counts of air samples collected at King City, October 18-19, 1972. You will note, that samples were obtained with 2 sampling heads (25 mm and 47 mm) in the usual upright position and also with one 25 mm head pointed down as said to be the practice of the U. S. Bureau of Mines. Samples were collected simultaneously. It is interesting to note that the dusts counts throughout were low. This was substantiated visually in that the air was clear of dust. There was no consistent difference between the 25 mm and 47 mm heads in the usual sampling position, but there was a significant difference with the sampling head that faced downward. While I don't think we should follow the Bureau's example until we are certain it does not underestimate the problem, it is good to know that our technique is at least as conservative as theirs.

		Fibers 5 micron and longer per cc.		
		Filter heads in normal position.		25 mm head
Sampling Station	Date	25 mm	47 mm	downward
Beside bagger operator bagging HP pellets (A.M.)	10/18	0.74	0.70	0.40
Same. (P.M.)	10/18	1.62	1.10	0.57
Same. (A.M.)	10/19	.56	.42	0.31
Manual operation-bag handling at end of conveyor. H.P. Pellets. (P.M.)	10/18	1.48	1.61	1.00

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Same. (A.M.)	10/19	1.56	1.62	1.12
Bagging RG 244-Beside bagger. (P.M.)	10/18	.64	1.00	0.44
Same.(A.M.)	10/19	.60	.62	0.41
Rock fiber circuit-walkway between screen and shaker table. (P.M.)	10/18	0.45	.42	0.25
Same. (A.M.)	10/19	0.51	0.57	0.31
South fence line.	10/18	0.48	0.66	0.32

Very truly yours,

P. W. McDaniel
Industrial Hygiene Engineer

PWM:mc

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