



THE DOW CHEMICAL COMPANY

DENNETT BUILDING
2330 DOW CENTER
MIDLAND, MICHIGAN 48640

January 13, 1975

William Gaffey, Ph.D.
Tabershaw Cooper Associates
2180 Milvia Street
Berkeley, California 94701

Dear Dr. Gaffey:

Jerry Ott and I have discussed further the proposal you submitted to MCA December 9, 1974.

The following are the three changes that I think we agreed to in principle on the telephone.

- a. The Union Carbide records for workers terminated before Jan. 1, 1946 will be carefully examined before any decision is made to omit them from the study. I have discussed this with Nick Wheeler of Union Carbide and he also feels very strongly that they should be included. It is his understanding that the records given to you will describe the workers exposure in terms of dates on the job at each exposure category. This should allow analysis of data as described in Item C.
- b. Data will be examined in terms of type of plant; Vinyl production vs. Polyvinyl chloride polymerization vs. Co-polymer production. It may be that workers will have moved from one plant to the other so much that this will not be feasible.
- c. Most important is an analysis in terms of maximum reported exposure concentration. The attached table indicates the cells which Ott and I feel we need estimates. Tables of this type can replace Tables 1, 3 and 4 of your proposal. This table is an attempt to determine whether the maximum exposure concentrations to which each worker was reported to have been exposed is related to mortality.



RSV 0002177

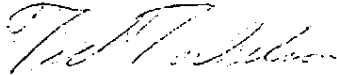
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Dr. William Garfey

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January 13, 1975

We appreciate talking to you and await your comments.



Theodore R. Torkelson
Corporate Medical Department

cc: M. G. Ott

kjf

STANDARDIZED MORTALITY RATIOS FOR VINYL CHLORIDE WORKERS
BY MAXIMUM EXPOSURE INTENSITY*, DURATION OF EXPOSURE,
AND YEARS SINCE EXPOSURE BEGAN

Interval Since Exposure Started	Years of Total Exposure																	
	1-4 years			5-9 years			10-14 years			15-19 years			20-24 years			25-Up years		
	L*	M*	H*	L*	M*	H*	L*	M*	H*	L*	M*	H*	L*	M*	H*	L*	M*	L*
0 - 9 Years							--	--	--	--	--	--	--	--	--	--	--	--
10 - 14 Years										--	--	--	--	--	--	--	--	--
15 - 19 Years													--	--	--	--	--	--
20 - 24 Years																--	--	--
30 - Up Years																		

L*,M*,H* -- Low, Medium or High based on highest exposure category reported for at least a 12-month period.

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