



INTEROFFICE
MEMORANDUM

Date 27 April 1976

Subject MEDICAL TREATMENT OF EMERGENCY
EXPOSURE TO VCM

To T. L. CAREY

VALLEY FORGE

(Location, Organization, or Department)

From J. C. NOVAK

VALLEY FORGE

(Location, Organization, or Department)

cc: J. T. Barr/Valley Forge
B. Beidleman, M.D./Pensacola
C. E. Blades/Piscataway
W. Blalock, M.D./Paducah
T. W. Herbig/Calvert City
~~R. E. Jones/Escambia~~
J. D. Kramer/Calvert City
M. Kuschner, M.D./Stoneybrook

A. K. McMillan/Valley Forge
J. F. Odom/Escambia
E. A. Primeau/Escambia
R. H. Schenck/Valley Forge
L. B. Tepper/Trexlerstown
M. Ufberg, M.D./Allentown
H. L. Watson/Valley Forge
F. Wei, M.D./Princeton

During the Medical Program Meeting in Houston on 3 March 1976, the physicians have addressed themselves to the question of the requirements for medical treatment in case of emergency or massive exposure to vinyl chloride.

By definition, an emergency or massive exposure to vinyl chloride is when a person is exposed to VCM concentrations exceeding 100 ppm.

The physicians have agreed to the following medical treatment for those who had emergency or massive exposure:

- 1.) If the person, after exposure, displays any of the clinical symptoms of dizziness, disorientation, signs of intoxication, nausea, headache, vomiting, and incoordination--the person shall be admitted to a hospital for overnight observation. He shall be given an SMA-12 test at the time of admittance and a repeat test three (3) weeks after the exposure.
- 2.) If the person, after exposure to emergency or massive quantities of VCM, does not display any of the above clinical symptoms--he shall be given an SMA-12 test "immediately" and a repeat test three (3) weeks after the exposure. Hospital observation is not required.

J. C. Novak

J. C. NOVAK

JCN:heg

(320)

AP00043033



INTEROFFICE
MEMORANDUM

5-3-76 EAP *I don't think
Mr Barr has studied the data*
Date APRIL 29, 1976

Subject SUMMARY OF PERSONAL MONITORING
RESULTS

To DISTRIBUTION

From J. T. BARR

(Location, Organization, or Department)

VALLEY FORGE

(Location, Organization, or Department)

DISTRIBUTION:

T. L. Carey
D. H. Francke
~~R. E. Jones~~
J. D. Kramer
A. K. McMillan

J. C. Novak
E. A. Primeau
F. L. Riddle
G. F. Tillson
H. L. Watson

In order to have a data base for operation under the permanent OSHA standard, the 8-hour personal monitoring results for the prior six months at the two PVC plants were summarized by category. The results are attached.

I find nothing terribly surprising about the results. The job categories expected to be higher than the rest were, such as cleaners and recovery men, although not as much as might have been predicted. Maintenance was lower than might have been expected. There still are more than desirable in the "greater than 5 ppm" group, a few of them quite high, and these occurred in all categories except "other" and "maintenance" at Escambia. This is an area that needs attention.

The Calvert results show somewhat higher overall exposures than at Escambia, having fewer in the "less than one," and more in the "1 to 5" ranges. This seems to be due to a higher sampling rate on two relatively low-exposure groups, supervisors and maintenance. The higher-exposed categories are not particularly different. These differences in sampling frequencies can be explained partially by the difference in job assignment methods at the two plants.

I hope that this analysis will be useful to you in your exposure abatement program. A similar analysis will be prepared for the months April-September.


J. T. BARR

/mjv
Attachment

SUMMARY OF 8-HOUR PERSONAL MONITORING RESULTS
FOR THE PVC PLANTS
Oct. 1975 - March 1976

<u>Category and Jobs Included</u>	<u>Exposures Reported, %</u>			<u>Number in Category</u>
	<u><1 ppm</u>	<u>1-5 ppm</u>	<u>>5 ppm</u>	
Supervisors:				
Calvert: Supervisors, Foreman	73	23	4	22
Escambia: Supervisors, Foreman, Seniors	75	17	8	65
Reactor Operators:				
Calvert: 3rd Floor Operators	62	32	6	47
Escambia: Reactor, Solutions	84	11	5	45
Recovery:				
Calvert: 2nd Floor Operators	57	33	10	42
Escambia: Recovery	69	22	9	32
Reactor Cleaning:				
Calvert: Cleaners	54	35	11	26
Escambia: Utility	54	24	22	46
Maintenance:				
Calvert	65	28	7	46
Escambia	95	5	0	85
Other:				
Calvert: Area 5, Column Op. Utility 1st Floor, Labor, Etc.	86	10	4	51
Escambia: Finishing, Artisan, Etc.	74	26	0	50
	—	—	—	—
Totals:				
Calvert	66	27	6	247
Escambia	78	16	6	323

AP00043036