

Date 1 November 1977

INTEROFFICE
MEMORANDUM

Subject Calvert City - Safety and Health
Industrial Hygiene Program

To SEE BELOW

From Howard L. Watson

Trexlerstown
(Location, Organization, or Department)

(Location, Organization, or Department)

TO: J. R. Gough/Calvert City
J. D. Kramer/Calvert City
R. J. Lomicky/Calvert City
T. R. Low/Calvert City
M. T. McHale/Calvert City
J. R. Russell/Calvert City
C. J. Smith/Calvert City
M. H. Stermon/Calvert City
R. W. McGinnis/Calvert City

cc: T. L. Carey
A. K. McMillan
J. C. Novak

Please start the following Industrial Hygiene Monitoring Program immediately. Advise status 7 November. Merge with existing Industrial Hygiene Program where applicable. 30 November Monthly Report to contain all documentation—contact J. Novak for assistance. J. Novak and I will review with all of you on 21-22 November 1977 in Calvert City.

PVC - OK to continue present program.

Compounding - Closing down - Existing data satisfactory.
Get one more blood test on all employees before shutting down - Analyze for lead.

PVOH - Area monitoring on MeOH - MeAc - VAM satisfactory for control. Document each excursion above 200 ppm, 20 ppm, and 10 ppm respectively and state action taken to correct situation. Record in Monthly Report. Maintain Leak Patrol for same materials.

Start personnel monitoring - For 1st month take day shift randomly during week for operators in SAP Building. Run 2-4 hour samples - use sippon pumps - silica gel. Report results in Monthly Report.

Emulsions - Same as above except for VCM, VAM, Maleic Anhydride, nMA. Personnel Samples - 15 minute samples - taken for duration of action involving above chemicals. Reports - same.

Acetylenics - Personnel samples - Use Bendix pumps, 2 liters/minute, in product flaking - Analyze for total dust and report - Do during each run of material until 25 readings obtained - Report - Analyze with Industrial Hygienist and continue adjustment of program.

(320)

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Acetylenics (Continued)

Caustic Flaking Area - Use Bendix pump with midget impingers-
1.8 liters/minute - Analyze for Caustic.

In-Process Building - 2-4 hour samples of operator who has major
assignment in area on random days during run and during any
upset.

Establish adsorption-desorption coefficient on silica gel and
carbon - Use whichever gives best results - Use sippin or
duPont pumps. Analyze for Isopropyl Ether and Carbonyl in
use.

Maintenance Shop and area by Boiler Plant - Analyze 8 hour
samples during any complaint period-no less than every two
weeks randomly. Use Bendix pumps and filter cartridge.
Determine total dust.

Howard L. Watson Heg

HOWARD L. WATSON

HLW:heg

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6 Hour Personnel Monitoring for MeOH at PVA Plant

Person	Area	1-13-78	1-16-78	1-17-78	1-18-78	1-19-78
McCain	Maintenance	131			223	
Shelton	3rd Floor	671	* 1683	1118	962	576
Riley	3rd Floor	587	621		1378	* 1209
Walsh	Foreman	42	15		* 10	
Bearden	250 line	78	74	32	3	41
Bumphus	Bagger	* 4	3			
Yark	Poly	28	84	48		53
Smith	Tank Farm	8	7		5	13
Lacka-Green	200 line	17				
Algood	400 line	4538	* 41		292	76
Gregory	Acid	23	5			
Miller	200 line		30			21
Armstrong	Maintenance		* 17			
Kirk	OH Jobs		* 60			
Patterson	400 line			76		
McMannis	Control Room			11		
Cannap	Bagger			* 3		
Evis	3rd Floor			416		
Eves	200 line				* 6	

15 Minute Samples

Good	3rd Floor	736	445	1265	829	
Good	3rd Floor	1078	245			
Walsh	Foreman			973		

* Pump Stopped before sampling time was completed

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