



Air Products and Chemicals

INC.

ESCAMBIA PLANT

INTEROFFICE MEMORANDUM

VCE M memo

RECEIVED

AUG 09 1974

A. K. McMillan

To: E. A. Primeau

Date: 5 August 1974

From: W. C. Wilde

Copies: J. T. Barr

Re: Personnel Monitoring for VCM
~~Levels at Pace Plant~~

T. L. Carey

R. Fleming

J. D. Kramer

R. E. Jones

A. K. McMillan ✓ VF

G. B. H. Speed

R. R. Spiegelhalter

M. Stermon

The personnel monitoring in July showed lower average exposures for operators than in June, but the frequency of excursions above 50 ppm VCM remained about the same. In July, 4.5% of all readings were over 50 ppm VCM exposure versus 3.5% over 50 ppm in June and 8.3% over 50 ppm in May. The greatest improvement is that in July 81.1% of all samples showed less than 10 ppm VCM exposure versus 60.8% below 10 ppm in June and 47.3% below 10 ppm in May. The results of the sampling in July are summarized by operating job below:

*July 4.5% > 50 ppm
June 3.5%
May 8.3%*

Job Title	Number of Samples with Exposure of				
	0 - 10 ppm	10 - 20 ppm	20 - 30 ppm	30 - 50 ppm	50 ppm
Supervisor	12	0	0	0	0
Senior	13	0	1	0	0
Reactor	17	1	4	2	1
Solutions	16	2	3	0	1
Utility	11	1	1	0	2
Recovery	10	1	0	2	2
Finishing	18	0	0	0	0
Artisan	10	0	0	1	0
TOTAL	107	5	9	5	6

*July 81.1% < 10 ppm
June 60.8%
May 47.3%*

8750

The increase in the number of low readings is mainly due to removing the siding from the reactor building which greatly reduced the ambient VCM levels in the building.

AP00032710

5 August 1974

The Sipin sampling pumps were received in July. Due to the use of only 0.5 grams of carbon in the small tubes used with the Sipin pumps versus the 30 grams now used, a series of comparative samples were taken using both sampling pumps and tubes. The laboratory had to order some smaller sample handling vials to allow getting valid data from the smaller tubes. After less than one week's use, two of the Sipin pump battery chargers failed. When they failed they overloaded the charging circuit of the pumps and burned out some of the wiring. The Sipin representative acknowledged that this problem had been experienced with some of the early production pumps. The third pump was delivered later than the other two and should not have this problem. The two pumps which failed have been shipped back to the factory and they are shipping two new pumps to us.

W. C. Wilde
W. C. Wilde

WCW:aw

AP00032711

Operator's Job	Operator's Name	Start	Stop	Duration	Date	Shift	UCM Level	Comments
Recovery	Brooks	4:08 PM	4:30 PM	22	7/1	3-11/A	1.2	
Finishing	Berry	5:45 PM	6:30 PM	45	7/1	3-11/A	0.3	
Utility	Carter	3:45 PM	4:05 PM	20	7/1	3-11/A	1.7	
Utility	Kirkland	1:00 PM	1:30 PM	30	7/7	11-7/A	lost sample	
Reactor	Curry	11:30 PM	12:00 AM	30	7/7	11-7/A	10	
Solutions	Reinhardt	12:00 PM	12:30 PM	30	7/7	11-7/A	4	
Utility	Kerns	3:00 PM	3:30 PM	30	7/7	3-11/D	17	
Reactor	Cook	3:30 PM	4:05 PM	30	7/7	3-11/D	33	
Solutions	Berry	4:10 PM	4:50 PM	30	7/7	3-11/D	(53)	
Finishing	Green	12:50 PM	1:10 PM	20	7/8	11-7/A	1.2	
Senior	MacCarthy	11:50 PM	12:10 PM	22	7/8	11-7/A	7.0	
Artisan	Stewart	12:30 PM	12:40 PM	20	7/8	11-7/A	6	
Reactor		8:00 AM	8:36 AM	36	7/8	7-3/B	11	
Solutions	Cook	9:10 AM	9:30 AM	20	7/8	7-3/B	21	
Utility	Kern	8:30 AM	9:05 AM	35	7/8	7-3/B	6	
Finishing	Watson	4:40 PM	5:00 PM	20	7/8	3-11/D	0	
Recovery	Collins	3:05 PM	3:35 PM	30	7/8	3-11/D	1.4	
Recovery	West	6:05 PM	6:24 PM	21	7/8	3-11/D	22	

Date: _____

Read and Understood _____

Date _____

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ESCAMBIA CHEMICAL CORPORATION

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Operator's Job	Operator's Name	Start/Stop	Duration	Date	Shift	VCN level	Comments
Supervisor	Lay	11:05 / 11:25 / PM	20	7/9	11-7/A	0.9	
Solutions	Brooks	2:09 / 2:35 / AM	35	7/9	11-7/A	2	
Artisan	West	12:35 / 12:57 / AM	22	7/9	11-7/A	35	
Recovery	Boatwright	11:50 / 12:10 / AM	50	7/9	7-3/B	7	
Finishing	McLean	12:45 / 1:20 / PM	35	7/9	7-3/B	5	
Artisan	Petuchov	9:40 / 10:09 / PM	20	7/9	3-11/C	0.6	
Supervisor	Diamond	9:30 / 10:00 / PM	30	7/9	3-4/B	0.4	
Solutions	McLean	9:45 / 10:15 / PM	30	7/9	3-11/C	3	
Reactor	Curry	2:09 / 2:39 / AM	30	7/10	11-7/A	2.5	
Recovery	Walters	12:15 / 12:35 / AM	20	7/10	11-7/A	80	
Utility	Carter	1:35 / 1:55 / AM	20	7/10	11-7/A	7	
Reactor	Cook	10:10 / 11:09 / AM	30	7/10	7-3/B	23	
Recovery	Boatwright	10:10 / 10:31 / AM	21	7/10	7-3/B	43	
Utility	Kerns	11:00 / 11:30 / AM	30	7/10	7-3/B	5	
Senior	McCullough	11:05 / 1:30 / AM	25	7/11	11-7/D	1.3	
Finishing	Watson	2:15 / 2:55 / AM	30	7/11	11-7/B	5	
	Worring	6:00 / 6:30 / PM	30	7/11	3-4/C	5	
	Petuchov	6:25 / 6:55 / PM	30	7/11	3-4/C	2	

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AP00032713

ESCAMBIA CHEMICAL CORPORATION

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Operator's Job	Operator's Name	Start Stop Duration	Date	Shift	NCM Level	Comments
Finishing	R. Diamond	9:10/9:40 PM 30	7/11	3-11/C	<1	
Supervisor	West	12:05/12:49 AM 35	7/12	11-7/D	3	
Solutions		3:50/4:50 AM 60	7/12	11-7/D	10	
Reactor		3:00/3:39 AM 30	7/12	11-7/D	29	
Supervisor	J. Diamond	7:30/7:58 PM 25	7/12	3-11/C	3	
Solutions	McLean	9:00/9:20 PM 20	7/12	3-11/C	19	
Reactor	Petuchov	7:25/7:45 PM 20	7/12	3-11/C	6	
Utility	Kirkland	9:00/9:30 AM 30	7/14	7-3/A	4	
Reactor	Curry	8:09/8:30 AM 30	7/14	7-3/A	2	
Solutions	Brooks	8:30/9:09 AM 30	7/14	7-3/A	2	
Utility	Schreiber	9:25/9:50 PM 25	7/14	3-11/C	107	Man was washing down 2nd floor did not smell any VCL no reason for high reading
Reactor	Marrell	9:00/9:30 PM 30	7/14	3-11/C	31	
Solutions	Collins	9:09/9:30 PM 20	7/14	3-11/C	3	
Reactor		5:00/5:20 PM 20	7/15	11-7/D	30	
Solutions		5:25/6:20 AM 55	7/15	11-7/D	26	
Senior	Macarthy	8:16/9:00 AM 44	7/15	7-3/A	7	
Senior	Collins	9:10/9:40 AM 30	7/15	7-3/A	34	
Senior	Green	10:55/11:15 AM 20	7/15	7-3/A	4	

Date: _____ Read and Understood _____ Date: _____

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AP00032714

ESCAMBIA CHEMICAL CORPORATION

Operator's Job	Operator's Name	Start Stop Duration	Date	Shift	VCM level	Comments
Finishing Senior	R. Diamond	8:15 PM 8:45 PM 30	7/15	3-11/2	2	
Finishing Senior	Worring	7:30 PM 8:10 PM 40	7/15	3-11/2	2	
Finishing Senior	Watson	12:15 PM 12:45 PM 30	7/16	11-7/D	5	
Recovery Senior	Boatwright	11:30 PM 12:00 PM 30	7/16	11-7/D	11	
Recovery Senior	West	2:00 AM 2:30 AM 22	7/16	11-7/D	5	
Supervisor	Lay	7:50 AM 8:10 AM 20	7/16	7-3/A	5	
Solutions	Brooks	11:55 AM 12:40 PM 45	7/16	7-3/A	4	
Artisan	Stewart	12:15 PM 12:35 PM 20	7/16	7-3/A	2.5	
Artisan	Bott	8:50 PM 6:10 PM 30	7/16	3-11/2	1.5	
Utility	Carter	10:55 AM 11:15 PM 20	7/17	7-3/A	0.6	
Reactor	Curry	12:30 PM 1:00 PM 30	7/17	7-3/A	2	
Recovery	Collins	11:15 AM 11:50 AM 35	7/17	7-3/A	3	
Recovery	Boatwright	4:00 PM 4:30 PM 30	7/17	3-11/2	4	
Reactor	Bott	4:30 PM 4:50 PM 20	7/17	3-11/2	5	
Utility	Kent	5:30 PM 6:00 PM 30	7/17	3-11/2	23	
Senior	Worring	11:15 PM 11:40 PM 25	7/18	11-7/c	2	
Finishing Senior	West	11:20 PM 11:40 PM 20	7/18	11-7/c	1	
Finishing Senior	Petuchov	12:00 AM 12:20 AM 20	7/18	11-7/c	1	

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ESCAMBIA CHEMICAL CORPORATION

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Operator's Name	Start Stop	Duration	Date Shift	UCM level	Comment
Senior	8:23 AM 8:43 AM	20	7/18 7-3/A	1	
Finishing	9:35 AM 10:09 AM	25	7/18 7-3/A	1	
Senior	7:19 PM 7:45 PM	30	7/18 3-11/B	0.4	
Finishing	8:30 PM 9:15 PM	45	7/18 3-11/B	6	
Reactor	12:40 AM 1:00 AM	20	7/19 11-7/C	1	
Supervisor	12:20 AM 12:50 AM	30	7/19 11-7/C	0.4	
Solutions	1:00 AM 1:25 AM	20	7/19 11-7/C	0.6	
Solutions	9:30 AM 10:00 AM	30	7/19 7-3/A	1.4	
Reactor	10:00 AM 10:30 AM	30	7/19 7-3/A	<1	
Utility	7:50 PM 8:20 PM	30	7/19 3-11/B	2	
Reactor	6:00 PM 6:30 PM	30	7/21 3-11/B	9	
Solutions	6:30 PM 7:00 PM	30	7/21 3-11/B	<1	
Recovery	1:05 AM 2:10 AM	65	7/22 11-7/C	1.5	
Senior	11:35 PM 12:10 AM	25	7/22 11-7/C	3	
Finishing	12:20 AM 12:50 AM	30	7/22 11-7/C	1.5	
Recovery	7:00 AM 7:23 AM	23	7/22 7-3/D	3	
Senior	7:25 AM 7:45 AM	20	7/22 7-3/D	6	
Finishing	9:45 AM 10:15 AM	30	7/22 7-3/D	3	

Date: _____ Read and Understood _____ Date: _____

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AP00032716

ESCAMBIA CHEMICAL CORPORATION

Job	Operator's Name	Start Stop Duration	Date Shift	VCM Level	Comp
Recovery Senior	Boatwright West	3:50 / 4:20 PM 30	7/22 3-11/B	5	
Finishing	R Diamond	5:20 / 5:41 PM 21	7/22 3-11/B	9	
Artisan Solutions	Petuchov	6:20 / 6:50 PM 30	7/22 3-11/B	6	
Supervisor Solutions	Boordwyne	5:35 / 5:55 AM 20	7/23 11-7/C	5	
Supervisor Solutions	J Diamond	5:00 / 5:25 AM 25	7/23 11-7/C	4	
Artisan	McLean	5:10 / 5:38 AM 28	7/23 11-7/C	8	
Recovery Solutions	Atkins	7:00 / 7:30 AM 30	7/23 7-3/D	5	
Supervisor	Stewart	9:00 / 9:20 AM 20	7/23 7-3/D	5	
Finishing	Brooks	5:55 / 6:20 PM 25	7/23 3-11/A	7	
Utility	Lay	9:40 / 10:00 PM 20	7/23 3-11/A	2	
Senior	Green	10:05 / 10:25 PM 20	7/23 3-11/A	1	
Reactor Solutions	Carter	8:30 / 9:00 PM 30	7/25 3-11/A	3	
Reactor	Macarthy	8:05 / 8:25 PM 20	7/25 3-11/A	1.3	
Solutions	Curry	6:35 / 6:58 PM 23	7/25 3-11/A	4	
Reactor	Reinhardt	3:00 / 10:30 PM 7hrs 30min	7/25 3-11/A	5.5	
Utility	Cook	12:20 / 12:50 AM 30	7/26 11-7/B	8	
	Kerns	11:50 / 12:20 AM 30	7/26 11-7/B	5	
		7:50 / 8:20 AM 30	7/24 7-3/D	3	

Date: _____ Read and Understood _____ Date: _____

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AP00032717

ESCAMBIA CHEMICAL CORPORATION

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Operator's Job	Operator's Name	Start/Stop Duration	Date	Shift	UCM Level	Comments
Recovery Reactor	Berry	10:30 AM / 11:45 AM	7/24	7-3/D	111	
Utility	Kirkland	7:15 AM / 7:45 AM	7/24	7-3/D	0.7	
Recovery Reactor	Stewart	9:00 PM / 9:30 PM	7/24	3-11/A	2	
Recovery Reactor	West	7:10 PM / 7:30 PM	7/24	3-11/A	0.7	
Recovery Reactor	West	8:10 PM / 8:30 PM	7/24	3-11/A	3	
Recovery Reactor	McCullough	10:00 AM / 10:30 AM	7/26	7-3/D	2	
Supervisor	Lay	9:27 PM / 9:53 PM	7/26	3-11/A	2	
Recovery Reactor	Curry	3:00 PM / 3:30 PM	7/26	3-11/A	2	
Solutions	Cook	4:30 PM / 5:00 PM	7/26	3-4/A	2	
Solutions	McLean	12:00 PM / 12:30 PM	7/28	11-7/B	14	
Recovery Reactor	Cook	11:20 PM / 11:55 PM	7/28	11-7/B	3	
Utility	Kent	4:15 AM / 4:45 AM	7/28	11-7/B	66	
Utility	Carter	4:00 PM / 4:30 PM	7/28	3-11/A	2	
Recovery Reactor	Curry	3:30 PM / 4:00 PM	7/28	3-11/A	1	
Solutions	Brooks	3:00 PM / 3:30 PM	7/28	3-11/A	2	
Solutions	McLean	5:50 AM / 6:20 AM	7/30	11-7/B	29	
Recovery Reactor	Atkins	4:10 PM / 5:10 PM	7/30	3-11/D	0.8	
Recovery Reactor	Brown	3:25 PM / 3:49 PM	7/30	3-11/D	0.4	

Date: _____ Read and Understood _____

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AP00032718