



DOW CHEMICAL U.S.A.

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AUG 1 1975

TEXAS DIVISION

L. DANIEL

July 29, 1975

A. A. Allemang

cc: L. R. L. Daniel
E. L. Rainwater
J. M. Weber

VCM EXPOSURES OF CHLORINATION HELPERS

We have monitored four Chlorination Helpers (C Control) in the month of July for VCM exposures to determine the effect of shutting down the Acid Area. This group has had a history of higher than average exposures, although they theoretically have no direct contact with the vinyl chloride process area. As you pointed out, the most probable source of VCM exposures to this group would have been in the Acid Area, which was shut down late in May. For comparison, I have tabulated Chlorination Helper exposures dating back to January 1, 1974. Note that for the first time (in any quarter), none of the four tests in July, 1975 exceeded the action level. (Second Quarter 1975 exposures were probably influenced by the fact that the Vinyl plant was down for some time during this period.) All values are reported as ppm_m. The date of test and master number of individuals tested are shown in each case.

1st Qtr 1974 - 2/6/74	137613	1.0 ppm _m
2nd Qtr 1974 - 5/9/74	118099	1.4
3rd Qtr 1974 - 8/27/74	136626	1.0
4th Qtr 1974 - 12/6/74	138887	1.4
11/20/74	138885	1.4
11/26/74	136049	2.5
1st Qtr 1975 - 1/27/75	133935	2.7
1/31/75	135910	3.6
2/14/75	138889	1.4
2/19/75	117586	5.3
2/27/75	116937	0.7
2/28/75	139041	0.5

AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY



R&S 020654

AREA MONITOR VLV2

MONTHLY REPORT ENDING 04/0 76 07:00

1. A2410 CONTROL ROOM

	V1	ETCL	V2	AD1	EDC	ATR1	BT1
HIGH	1.81	2.12	1.99	3.45	1.00	11.41	1.13
HVG	1.12	.85	.14	.14	.02	.14	.03

2. BY C-1 COL FOR D-COL FILLER

	V1	ETCL	V2	AD1	EDC	ATR1	BT1
HIGH	1.41	2.10	11.60	2.20	3.01	2.02	5.10

TIMES OVER
LIMIT
V1 V2

0

0

0

0

A. K. Allemang

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July 29, 1975

2nd Qtr 1975 - 4/3/75 138889 1.2

4/30/75 139040 0.3

5/14/75 138545 1.2

6/18/75 134668 0.2

July 1975 7/8/75 138889 <0.1

7/14/75 134668 0.1

7/18/75 116937 0.3

7/22/75 136626 0.2

R.A. Goudeau

R. A. Goudeau
A-2422

mf

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OPER MONITOR V1V2 MONTHLY REPORT ENDING 2-RECEIVED

FEB 5 1976

ESN → Act. File
A-2422

1 22418 CONTROL ROOM

	V1	V2	BDI	LDI	ATIR	L	DANIEL	TIME OVER	LIMIT	V1	V2
HTB	1.77	.31	.55	3.53	3.53	3.53	3.53	0	0	0	0
AVG	1.05	.01	.02	.07	.07	.07	.07	0	0	0	0

2. BY C-1 CBI FOR D-101 FLEDER

	V1	V2	BDI	LDI	ATIR	L	DANIEL	TIME OVER	LIMIT	V1	V2
HTB	16.25	1.05	6.521	1.07	6.05	6.05	6.05	0	0	0	0
AVG	.14	.01	.013	.01	.01	.01	.01	0	0	0	0

1. COMPRESSION

R&S 020655