

INTER-OFFICE MEMO **TENNECO CHEMICALS, INC.**

TO	J. T. Sweeney	AT	Flemington	DATE	December 3, 1975
FROM	R. A. Lojewski	AT	Flemington	COPY TO	W. D. Bord D. M. Hershkowitz P. A. Lobo W. Miringoff P. M. Reed F. X. Ritter M. K. Rosen G. I. Rozand F. Toca
SUBJECT	<u>VCM Exposure Data - Flemington Plant</u> Bnedix Monitoring System Period: November 22, 1975 to November 28, 1975				

Attached are area summaries, summaries of excursions above 1, 5, 25 and 100 ppm VCM and a listing of all excursions observed at or above 100 ppm VCM. Monitoring points RE #9 and #20 remained in special service during this report period.

The plant was in operation seven days for this report period running at about 93% utilization. The following summaries are taken from a tabulation of 25% of the data or one set of readings per hour.

The Reactor Building showed 437 readings > 1 ppm, 8 excursions > 25 ppm and 4 readings > 100 ppm.

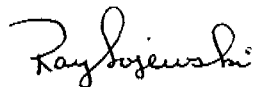
The Pilot Plant showed 218 readings > 1 ppm, 3 excursions > 25 ppm and no readings > 100 ppm.

The General Area showed 90 readings > 1 ppm, 3 excursions > 25 ppm and 1 reading > 100 ppm.

The Lift Station showed 37 readings > 1 ppm, and no excursions > 25 ppm.

The Parshall Flume showed 24 readings > 1 ppm and no excursions > 25 ppm.

All readings greater than or equal to 100 ppm are tabulated in Table IV. Nine readings at or above 100 ppm occurred during this report period reflecting five separate incidents. Four incidents occurred in the Reactor Building affecting the center aisle, stripper #1 platform and the recovery compressor room. There was one incident in the General Area at the tank car unloading platform. There were no incidents in the Pilot Plant this report period.


R. A. Lojewski

RAL:ms

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REACTOR D BUILDING

Period Covered 11-22/11-28-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1 Center Aisle Column #2, 1st flr	166	0.2	6	1	0	0
2 Center Aisle Column #4, 1st flr	166	0.2	5	0	0	0
3 Center Aisle Column #6, 1st flr	166	0.2	4	2	0	0
4 #1 Slurry Transfer Pump, 1st flr	166	0.2	3	2	0	0
5 #2 Slurry Transfer Pump, 1st flr	166	0.2	4	1	0	0
6 Deboamer Tanks, 1st flr	166	0.2	4	1	0	0
7 #1 Recovery Compressor Wall, 1st flr	166	1.6	37	9	1	1
8 #1 Recovery Vacuum Seal Pump, 1st flr	166	1.4	37	6	1	1
9 VCM Day Tank Pumps, outside	0	SPEC.	←			→
10 Center Aisle Column #2, 2nd flr	166	1.0	15	3	1	1
11 Center Aisle Column #4, 2nd flr	167	1.4	22	9	1	1
12 Center Aisle Column #6, 2nd flr	167	1.3	20	11	2	0
13 Stripper #2 Platform, manhole, 2nd flr	167	2.0	51	14	1	0
14 Panel Board Column #7, 2nd flr	167	0.8	23	4	0	0
15 Stripper #1 Platform, manhole, 2nd flr	167	1.3	36	9	0	0
16 Knock-Out Pots, 2nd flr	167	1.6	42	10	1	0
17 West Wall Between Old Styrene Tanks, 2nd flr	167	1.0	28	2	0	0
18 South Wall Near Gelatin Make-Up Area, 2nd flr	167	1.5	43	9	0	0
19 Stairwell in Hallway, 2nd flr	167	1.9	57	13	0	0
20 Outside, near left side door to weigh tank	0	SPEC.	←			→
Total	2997	1.0	437	106	8	4

R.A. Lojen
4/15/75

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PILOT PLANT

Period Covered 11-22/11-28-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
Dryer	165	<0.1	0	0	0	0
Lift Station (future)	165	1.9	37	27	0	0
Pilot Laboratory	165	<0.1	0	0	0	0
Centrifuge	165	1.3	50	3	0	0
"F" Reactor	165	1.1	32	2	0	0
Marshall Flame	165	1.0	24	4	0	0
Cooling Tower	165	1.4	40	4	1	0
Pump Switches	165	0.8	17	2	0	0
"E" Reactor	165	1.3	44	2	0	0
"D" & "C" Reactors	165	1.5	35	6	2	0
Total	1650	1.1	279	50	3	0

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4/15/75

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GENERAL AREA

Period Covered 11-22/11-28-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1. Truck Loading	163	0.1	3	0	0	0
2. Quality Control Laboratory, west	163	0.2	2	2	0	0
3. Quality Control Laboratory, east	163	<0.1	2	0	0	0
4. Lunchroom	163	0.1	0	0	0	0
5. Bulk Loading Tower	163	<0.1	1	0	0	0
6. Dryer Room	163	0.1	3	0	0	0
7. Bagging Seat	163	<0.1	1	0	0	0
8. Maintenance Shop.	163	0.1	2	1	0	0
9. VCN Pumps	163	1.7	42	11	1	0
10. Tank Car Unloading	163	2.2	34	13	2	1
Total	1630	0.5	90	27	3	1

R.A. Loje
4/15/7

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EXCURSIONS AT 100 ppm OR GREATERPERIOD COVERED 11-22/11-24

<u>DATE</u>	<u>TIME, HRS.</u>	<u>AREA</u>
11-22-75	0318 0322	CENTER AISLE COLUMN #4, 1 ST FL. R. BLDG. STRIPPER #1 PLAT. MANHOLE, 2 ND FL. R. BLDG.
11-23-75	0732 1415	CENTER AISLE COLUMN #4, 2 ND FL. R. BLDG. TANK CAR UNLOADING.
11-26-75	1435	CENTER AISLE COLUMN #6, 1 ST FL. R. BLDG.
11-27-75	1101 1111 1113 1115	CENTER AISLE COLUMN #4, 2 ND FL. R. BLDG. #1 RECOV. COMP. WALL 1 ST FL. R. BLDG. #1 RECOV. VAC. SEAL PUMP 1 ST FL. R. BLDG. CENTER AISLE COLUMN #2, 2 ND FL. R. BLDG.

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