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

TO J. T. Sweeney AT Flemington DATE November 5, 1975

FROM R. A. Lojewski AT Flemington COPY TO W. D. Bord
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SUBJECT VCM Exposure Data - Flemington Plant
Bendix Monitoring System
Period: October 25, 1975 to October 31, 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 point RE #9 remained in special service during this period. Point RE #20 was put back into normal service on October 24, 1975.

The plant was in operation seven days for this report period running at about 90% 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 395 readings > 1 ppm, 24 excursions > 25 ppm and 4 readings > 100 ppm.

The Pilot Plant showed 195 readings > 1ppm, 9 excursions > 25 ppm and no readings > 100 ppm.

The General Area showed 123 readings > 1 ppm, 6 excursions > 25 ppm and 1 reading > 100 ppm.

The Lift Station showed 23 readings > 1 ppm, 4 excursions > 25 ppm and no readings > 100 ppm.

The Parshall Flume showed 34 readings > 1 ppm, 6 excursions > 25 ppm and no readings > 100 ppm.

All readings greater than or equal to 100 ppm are tabulated in Table IV. Five readings at or above 100 ppm occurred during this report period reflecting four separate incidents. Three incidents occurred in the Reactor Building affecting the recovery compressor room, the # 2 slurry transfer pumps, the defoamer tanks and the second floor center aisle. One incident occurred in the General Area affecting the tank farm VCM transfer pumps. There were no incidents in the Pilot Plant this report period.

Ray Lojewski

R. A. Lojewski

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REACTOR BUILDING

Period Covered 10-25/10-31-75

	Monitoring Point	N	x̄	>1	>5	>25	>10
1	Center Aisle Column #2, 1st flr	160	0.2	16	4	1	0
2	Center Aisle Column #4, 1st flr	160	0.4	18	2	0	0
3	Center Aisle Column #6, 1st flr	160	0.9	22	3	1	1
4	#1 Slurry Transfer Pump, 1st flr	160	0.6	18	6	0	0
5	#2 Slurry Transfer Pump, 1st flr	160	1.3	19	7	3	1
6	Defoamer Tanks, 1st flr	160	1.0	26	6	1	1
7	#1 Recovery Compressor Wall, 1st flr	160	0.6	14	7	0	0
8	#1 Recovery Vacuum Seal Pump, 1st flr	160	0.6	15	7	2	0
9	VCM Day Tank Pumps, outside	SPECIAL	SPECIAL	←			→
10	Center Aisle Column #2, 2nd flr	160	1.2	25	6	2	0
11	Center Aisle Column #4, 2nd flr	162	1.0	23	5	1	0
12	Center Aisle Column #6, 2nd flr	162	0.9	18	4	1	1
13	Stripper #2 Platform, manhole, 2nd flr	162	1.3	24	9	1	0
14	Panel Board Column #7, 2nd flr	162	1.5	26	13	2	0
15	Stripper #1 Platform, manhole, 2nd flr	162	0.8	20	10	1	0
16	Knock-Out Pots, 2nd flr	162	1.6	21	14	0	0
17	West Wall Between Old Styrene Tanks, 2nd flr	162	1.8	29	18	3	0
18	South Wall Near Gelatin Make-Up Area, 2nd flr	162	0.7	17	12	2	0
19	Stairwell in Hallway, 2nd flr	162	1.5	25	13	1	0
20	Outside, near left side door to weigh tank	162	1.1	19	12	2	0
	Total	3060	1.01	395	160	24	4

R.A. Loje
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PILOT PLANT

Period Covered 10-25/10-31-75

Monitoring Point	N	x̄	>1	>5	>25	>100
Dryer	150	0.3	16	5	1	0
Lift Station (Future)	150	0.6	23	6	4	0
Pilot Laboratory	150	0.2	12	4	0	0
Centrifuge	150	1.0	26	6	1	0
"F" Reactor	150	0.9	31	9	2	0
Parshall Flume	150	1.3	34	11	6	0
Cooling Tower	150	0.8	26	8	1	0
Pump Switches	150	1.3	31	9	2	0
"E" Reactor	150	0.9	26	7	1	0
"B" & "C" Reactors	150	1.2	27	6	1	0
Total	1500	0.85	252	71	19	0

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GENERAL AREA

Period Covered 10-25/10-31-73

	Monitoring Point	N	x̄	>1	>5	>25	>100
1	Truck Loading	146	0.1	2	1	0	0
2	Quality Control Laboratory, west	146	0.1	3	1	0	0
3	Quality Control Laboratory, east	146	<0.1	1	0	0	0
4	Lunchroom	146	<0.1	1	0	0	0
5	Bulk Loading Tower	146	0.2	1	1	0	0
6	Dryer Room	146	0.2	2	2	0	0
7	Bagging Seat	146	<0.1	2	1	0	0
8	Maintenance Shop	146	0.2	2	1	0	0
9	VCM Pumps	146	3.2	61	39	4	1
10	Tank Car Unloading	146	2.5	48	19	2	0
	Total	1460	0.68	123	55	6	1

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EXCURSIONS AT 100 ppm OR GREATER

PERIOD COVERED 10-25/10-3

DATE	TIME, HRS.	AREA
10-27-75	1726	#1 RECOVERY COMP. WALL, 1ST FL. RX BLDG
10-29-75	0222	#2 SLURRY TRANSFER PUMP 1ST FL. RX BLDG
	0224	DEFOAMER TANKS, 1ST FL RX BLDG
10-30-75	1603	CENTER AISLE COLUMN #6, 2ND FL. RX BLDG
10-31-75	2013	VCM PUMPS (TANK FARM)

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