

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

TO	J. T. Sweeney	At Flemington	DATE	January 2, 1976
FROM	R. A. Lojewski	At Flemington	COPY TO	W. D. Bord R. Fanter W. F. Gabel D. M. Hershkowitz W. Miringoff P. M. Reed F. X. Ritter M. K. Rosen G. I. Rozand F. Toca
SUBJECT	<u>VCM Exposure Data - Flemington Plant</u> <u>Bendix Monitoring System</u> Period: December 27, 1975 to January 2, 1976			

Attached are the 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.

The plant was in operation seven days for this report period operating at about 100% utilization. Point #2 on the Pilot Plant Analyzer was relocated from the Lift Station to the Boiler House at 1200 hours on December 29, 1975. The following summaries are taken from a tabulation of 25% of the data or one set of readings per hour.

The Reactor Building showed 674 readings > 1 ppm, 7 excursions > 25 ppm and 1 reading > 100 ppm.

The Pilot Plant showed 151 readings > 1 ppm, 5 excursions > 25 ppm and no readings > 100 ppm.

The General Area showed 122 readings > 1 ppm, 11 excursions > 25 ppm and no readings > 100 ppm.

The Lift Station showed 36 readings > 1 ppm and no excursions > 25 ppm.

The Parshall Flume showed 47 readings > 1 ppm and no excursions > 25 ppm.

All readings greater than or equal to 100 ppm are tabulated in Table IV. Seventeen readings at or above 100 ppm occurred during this report period reflecting six separate incidents. Five incidents occurred in the Reactor Building affecting the center aisle first and second floors, number 1 and 2 slurry transfer pumps, panelboard, stripper #1 platform, knock out pots, West wall between the old styrene tanks, South wall, stairwell anteroom and the defoamer tanks. One incident occurred at the Pilot Plant centrifuge. No incidents occurred in the General Area this report period.

Ray Lojewski
Ray Lojewski

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REACTOR BUILDING

Period Covered 12-27-75/1-2-76

Monitoring Point	N	$\bar{x}$	σ_1	$\bar{\sigma}_5$	$\bar{\sigma}_{25}$	$\bar{\sigma}_{100}$
1 Center Aisle Column #2, 1st flr	166	0.3	8	4	0	0
2 Center Aisle Column #4, 1st flr	166	0.5	9	5	0	0
3 Center Aisle Column #6, 1st flr	166	0.5	14	4	0	0
4 #1 Slurry Transfer Pump, 1st flr	166	0.5	15	4	0	0
5 #2 Slurry Transfer Pump, 1st flr	166	0.7	22	6	0	0
6 Deboamer Tanks, 1st flr	166	0.7	20	4	1	0
7 #1 Recovery Compressor Wall, 1st flr	166	0.7	11	3	0	0
8 #1 Recovery Vacuum Seal Pump, 1st flr	166	0.8	27	7	0	0
9 VCM Day Tank Pumps, outside	166	0.4	13	3	1	0
10 Center Aisle Column #2, 2nd flr	166	1.7	26	8	2	1
11 Center Aisle Column #4, 2nd flr	165	1.8	51	17	0	0
12 Center Aisle Column #6, 2nd flr	165	0.9	25	6	0	0
13 Stripper #2 Platform, manhole, 2nd flr	165	4.4	93	49	1	0
14 Panel Board Column #7, 2nd flr	165	1.5	29	7	1	0
15 Stripper #1 Platform, manhole, 2nd flr	165	1.6	53	14	0	0
16 Knock-Out Pots, 2nd flr	165	2.0	63	18	0	0
17 West Wall Between Old Styrene Tanks, 2nd flr	165	1.2	38	5	0	0
18 South Wall Near Gelatin Make-Up Area, 2nd flr	165	2.2	69	26	0	0
19 Stairwell in Hallway, 2nd flr	165	2.5	73	27	1	0
20 Outside, near left side door to weigh tank	165	0.5	15	2	0	0
Total	3310	1.3	674	219	7	1

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R.A. Lo
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PILOT PLANT

Period Covered

12-27-75 / 1-2-76

Monitoring Point	N	$\bar{x}$	> 1	$\bar{s}$	$\bar{s}^2$	$\bar{s}/100$
1 Dryer	166	0.1	1	0	0	0
2 Lift Station (future) *	51	2.4	36	31	0	0
3 Pilot Laboratory	166	0.1	1	1	0	0
4 Centrifuge	166	1.1	22	2	1	0
5 "F" Reactor	166	1.1	18	2	1	0
6 Marshall Flume	166	1.4	47	8	0	0
7 Cooling Tower	166	0.9	19	2	0	0
8 Pump Switches	166	1.1	21	3	1	0
9 "E" Reactor	166	1.5	31	4	1	0
10 "H" & "C" Reactors	166	1.8	38	6	1	0
Total	1545	1.2	234	59	5	0

* as of 1200 on 12-29-75
stream #2 was relocated
to the Boiler Room.

P.D. Ruane

There is no longer any Bendix
sampling @ the Lift station.

R.A. Lojewski
4/15/75

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GENERAL AREA

Period Covered 12-27-75 / 1-2-76

Monitoring Point	N	$\bar{x}$	>1	$\bar{x}$ 5	$\bar{x}$ 25	$\bar{x}$ 100
1 Truck Loading	166	10.1	0	0	0	0
2 Quality Control Laboratory, west	166	0.2	3	0	0	0
3 Quality Control Laboratory, east	166	0.1	0	0	0	0
4 Lunchroom	166	0.1	1	0	0	0
5 Bulk Loading Tower	166	0.3	4	3	1	0
6 Dryer Room	166	0.4	3	1	1	0
7 Bugging Seat	166	0.1	3	1	0	0
8 Maintenance Shop	166	0.2	5	1	0	0
9 VCN Pumps	166	3.0	52	23	7	0
10 Tank Car Unloading	166	2.3	51	21	2	0
Total	1660	0.7	122	50	11	0

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R.A. L
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EXCURSIONS AT 100 ppm OR GREATER12-27-75 2:50
PERIOD COVERED

<u>DATE</u>	<u>TIME, HRS.</u>	<u>AREA</u>
12-27-75	1015	CENTER AISLE COLUMN *2 2 ND FLD
	1016	" " " *2 1 ST FLD
	1018	" " " *4 1 ST FLD
	1020	" " " *6 1 ST FLD
	1022	*1 SLURRY TRANSFER PUMP, 1 ST FLD
12-28-75	0035	PANELBOARD, COLUMN *7, 2 ND FLD
	0037	STRIPPER *1 PLATFORM, MANHOLE, 2 ND FLD
	0039	KNOCK OUT POTS, 2 ND FLD
	0041	WEST WALL OTWIN. OLD STYRENE TANKS, 2 ND FLD
	0043	SOUTH WALL NEAR GELATIN MAKE-UP AREA, 2 ND FLD
	0045	STAIRWELL IN HALLWAY, 2 ND FLD
	0921	*1 SLURRY TRANSFER PUMP, 1 ST FLD
	0923	*2 " " " 1 ST FLD
	1725	DEFOAMER TANKS, 1 ST FLD
12-30-75	2236	CENTRIFUGE (PILOT PLANT) R.BLDG.
12-31-75	1847	CENTER AISLE COLUMN *4, 2 ND FLD
	1853	*2 SLURRY TRANSFER PUMP, 1 ST FLD

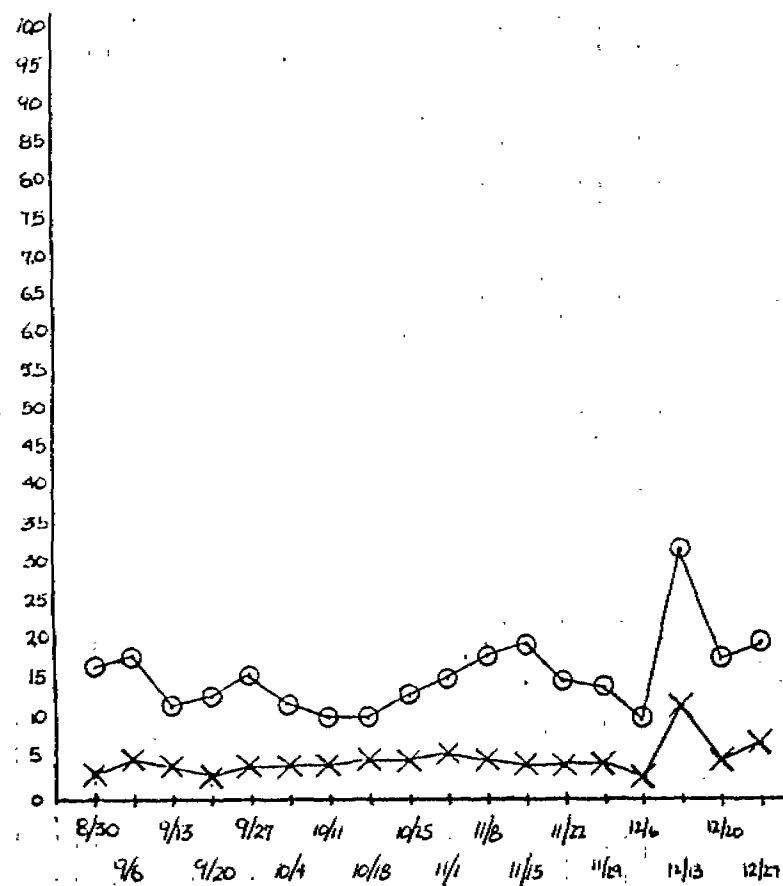
R.A.L.
4/29/75

FLEMINGTON BEI & MONITORING SYSTEM

PERCENT OF READINGS MONITORED ABOVE

1 ppm AND 5 ppm

REACTOR BUILDING



REPORT PERIOD BEGINNING

O = PERCENT ABOVE 1 ppm

X = PERCENT ABOVE 5 ppm

R.A.I.

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