

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

TO J. T. Sweeney AT Flemington DATE August 21, 1975

FROM W. C. Champion AT Flemington COPY TO W. D. Bord
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SUBJECT VCM Exposure Data - Flemington Plant
Bendix Monitoring System
Period: August 9, 1975 to August 15, 1975

Area summaries and excursions for the Bendix System are tabulated in the attached Tables I to IV.

The following summaries are taken from a tabulation of 25% of the data or one set of readings per hour.

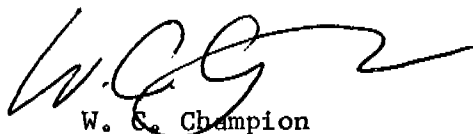
The Reactor Building showed 66 excursions > 25 PPM with 34 readings > 100 PPM.

The Pilot Plant showed 13 excursions > 25 PPM with 6 readings > 100 PPM.

The General Area showed 4 excursions > 25 PPM with no readings > 100 PPM.

All readings equal to or greater than 100 PPM are tabulated in Table IV.

Fifty three readings at or above 100 PPM occurred during this report period, reflecting 17 separate incidents. Eleven incidents occurred in the Reactor Building affecting the Center Aisle, Recovery Comp. wall, recovery vacuum seal pump, stairwell, south wall at gelatin, west wall styrene tanks, defoamer tanks, knock pots and slurry transfer pump area. Four incidents occurred in the Pilot Plant Laboratory. The remaining two incidents occurred in the General Area affecting the VCM pumps in the tank farm and the lift station.


W. C. Champion

WCC:ms

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REACTOR BUILDING

Period Covered 8-9/8-15-75

	Monitoring Point	N	$\bar{x}$	>5	>25	>100
1	Center Aisle Column #2, 1st flr	165	1.4	7	1	1
2	Center Aisle Column #4, 1st flr	165	2.0	18	1	1
3	Center Aisle Column #6, 1st flr	165	2.0	8	2	1
4	#1 Slurry Transfer Pump, 1st flr	165	1.9	6	2	2
5	#2 Slurry Transfer Pump, 1st flr	165	1.8	5	2	2
6	Defoamer Tanks, 1st flr	165	1.9	5	2	2
7	#1 Recovery Compressor Wall, 1st flr	165	4.2	16	7	3
8	#1 Recovery Vacuum Seal Pump, 1st flr	165	3.2	13	4	2
9	VCN Day Tank Pumps, outside	165	9.3	21	17	9
10	Center Aisle Column #2, 2nd flr	165	2.6	10	3	2
11	Center Aisle Column #4, 2nd flr	165	2.4	12	1	1
12	Center Aisle Column #6, 2nd flr	165	2.6	21	2	1
13	Stripper #2 Platform, manhole, 2nd flr	165	2.4	11	2	1
14	Panel Board Column #7, 2nd flr	165	1.6	8	3	0
15	Stripper #1 Platform, manhole, 2nd flr	165	2.8	11	4	1
16	Knock-Out Pots, 2nd flr	165	2.6	10	3	1
17	West Wall Between Old Styrene Tanks, 2nd flr	165	2.3	11	3	1
18	South Wall Near Gelatin Make-Up Area, 2nd flr	165	2.1	10	2	1
19	Stairwell in Hallway, 2nd flr	165	2.6	15	3	1
20	Outside, near left side door to weigh tank	165	1.5	6	2	1
Total		3300	2.67	228	66	34

R.A. Lojewsk
4/15/75

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PILOT PLANT

Period Covered 8-9/8-15-75

Monitoring Point

	N	$\bar{x}$	χ^2	$\chi^2_{.05}$	$\chi^2_{.01}$
Dryer	166	1.1	3	1	1
Lift Station (future)	166	1.7	10	2	1
Pilot Laboratory	166	1.5	6	1	1
Centrifuge	166	1.4	7	1	1
"F" Reactor	166	1.4	8	1	1
Parshall Flume	166	0.6	2	0	0
Cooling Tower	166	1.3	6	1	0
Pump Switches	166	1.6	12	1	1
"E" Reactor	166	1.6	13	2	0
"B" & "C" Reactors	166	1.6	11	3	0
Total	1,660	1.38	78	13	6

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4/15/75

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TABLE III
GENERAL AREA

Period Covered 8-9/8-15-75

	Monitoring Point	N	$\bar{x}$	≥ 5	≥ 25	≥ 100
1	Truck Loading	166	0.1	0	0	0
2	Quality Control Laboratory, west	166	0.2	1	0	0
3	Quality Control Laboratory, east	166	< 0.1	0	0	0
4	Lunchroom	166	< 0.1	0	0	0
5	Bulk Loading Tower	166	< 0.1	0	0	0
6	Dryer Room	166	0.1	0	0	0
7	Bagging Seat	166	< 0.1	0	0	0
8	Maintenance Shop	166	< 0.1	0	0	0
9	VCM Pumps	166	2.4	20	4	0
10	Tank Car Unloading	166	0.8	9	0	0
	Total	1660	0.41	30	4	0

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4/15/75

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