

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

TO	J.T. Sweeney	AT	Flemington	DATE	August 6, 1975
FROM	W.C. Champion	AT	Flemington	COPY TO	W.D. Bord R.A. Lojewski W. Miringoff F.X. Ritter G.I. Rozand F. Toca J.J. Zullo
SUBJECT	VCM Exposure Data - Bendix Monitoring System				

Area summaries and excursions covering the period from July 26, 1975 to August 1, 1975 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 21 excursions > 25 PPM with 3 readings > 100PPM.

The Pilot Plant showed 4 excursions > 25 PPM with no readings > 100 PPM.

The General Area showed 15 excursions > 25 PPM with 4 readings > 100 PPM.

All readings greater than or equal to 100 PPM are tabulated in table IV. Thirteen readings at or above 100 PPM occurred during this report period reflecting eleven separate incidents. Three incidents occurred in the Reactor Building affecting the Stairwell, Center Aisle, and the Slurry Transfer Pump Area. Two incidents occurred in the Pilot Plant laboratory. The remaining six incidents occurred in the General Area affecting the Tank Car Unloading Area and the VCM pumps in the Tank Farm.

W.C. Champion (re)
W.C. Champion

WCC:np

009949

REACTOR BUILDING

Period Covered 7-26/8-1-75

009950

	Monitoring Point	N	$\bar{x}$	$\sum x$	$\sum x^2$	$\sum x - \bar{x} $
1	Center Aisle Column #2, 1st flr	164	1.3	6	1	0
2	Center Aisle Column #4, 1st flr	164	1.5	8	0	0
3	Center Aisle Column #6, 1st flr	164	1.9	7	2	1
4	#1 Slurry Transfer Pump, 1st flr	164	1.6	3	1	1
5	#2 Slurry Transfer Pump, 1st flr	164	1.4	2	1	0
6	Defoamer Tanks, 1st flr	164	1.1	2	1	0
7	#1 Recovery Compressor Wall, 1st flr	164	2.2	13	2	0
8	#1 Recovery Vacuum Seal Pump, 1st flr	164	2.0	11	1	0
9	VCM Day Tank Pumps, outside	164	1.2	5	0	0
10	Center Aisle Column #2, 2nd flr	164	2.4	12	2	0
11	Center Aisle Column #4, 2nd flr	165	1.1	5	0	0
12	Center Aisle Column #6, 2nd flr	165	2.4	16	1	0
13	Stripper #2 Platform, manhole, 2nd flr	165	1.9	13	0	0
14	Panel Board Column #7, 2nd flr	165	1.4	11	0	0
15	Stripper #1 Platform, manhole, 2nd flr	165	2.4	24	1	0
16	Knock-Out Pots, 2nd flr	165	2.5	29	1	0
17	West Wall Between Old Styrene Tanks, 2nd flr	165	2.5	28	0	0
18	South Wall Near Gelatin Make-Up Area, 2nd flr	165	4.1	43	4	0
19	Stairwell in Hallway, 2nd flr	165	4.2	40	3	1
20	Outside, near left side door to weigh tank	165	3.1	43	0	0
Total		3290	2.11	321	21	3

R.A. Lojewski
4/15/75

PILOT PLANT

Period Covered

7-26/8-1-75

009951

	Monitoring Point	N	$\bar{x}$	$\sum x$	$\sum x^2$	$\sum x^3$
1	Dryer	165	0.5	3	0	0
2	Lift Station (future)	165	1.3	18	0	0
3	Pilot Laboratory	165	1.0	4	2	0
4	Centrifuge	165	1.1	5	1	0
5	"F" Reactor	165	1.6	6	1	0
6	Parshall Flume	165	0.5	1	0	0
7	Cooling Tower	165	1.5	8	0	0
8	Pump Switches	165	0.9	3	0	0
9	"E" Reactor	165	1.5	12	0	0
10	"B" & "C" Reactors	165	1.3	6	0	0
	Total	1650	1.12	66	4	0

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4/15/75

GENERAL AREA

Period Covered

7-26/8-1-75

009952

	Monitoring Point	N	$\bar{x}$	≥ 5	≥ 25	≥ 100
1	Truck Loading	164	0.6	4	0	0
2	Quality Control Laboratory, west	164	0.1	1	0	0
3	Quality Control Laboratory, east	164	<0.1	0	0	0
4	Lunchroom	164	<0.1	0	0	0
5	Bulk Loading Tower	164	0.1	1	0	0
6	Dryer Room	164	0.4	2	0	0
7	Bagging Seat	164	0.1	0	0	0
8	Maintenance Shop	164	0.1	0	0	0
9	VCM Pumps	164	7.2	56	8	3
10	Tank Car Unloading	164	3.5	32	7	1
	Total	1640	1.43	116	15	4

R.A. Lojewski
4/15/75

EXCURSIONS AT 100 ppm OR GREATERPERIOD COVERED 7-26/8-1-

<u>DATE</u>	<u>TIME, HRS.</u>	<u>AREA</u>
7-27-75	2015	TANK CAR UNLOADING
7-28-75	2213	STAIRWELL IN HALLWAY, 2 ND FL. R&B
7-29-75	0143	VCM Pumps
	0304	CENTER AISLE COLUMN #6, 1 ST FL. R&B
	0306	#1 SLURRY TRANSFER PUMP, 1 ST FL. R&B
	1948	PILOT LABORATORY
	2018	PILOT LABORATORY
7-30-75	1913	VCM Pumps
	1945	TANK CAR UNLOADING
	2213	VCM Pumps
7-31-75	0645	CENTER AISLE COLUMN #2 2 ND FL. R&B
	0648	CENTER AISLE COLUMN #6 2 ND FL. R&B
	2313	VCM Pumps

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R.A.L.

4/29/75