

TO J. T. Sweeney AT Flemington DATE November 26, 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: November 15, 1975 to November 21, 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 87% 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 569 readings > 1 ppm, 12 excursions > 25 ppm and 1 reading > 100 ppm.

The Pilot Plant showed 210 readings > 1 ppm, 2 excursions > 25 ppm and no readings > 100 ppm.

The General Area showed 185 readings > 1 ppm, 7 excursions > 25 ppm and no readings > 100 ppm.

The Lift Station showed 60 readings > 1 ppm and no readings > 25 ppm.

The Parshall Flume showed 52 readings > 1 ppm, 1 excursion > 25 ppm and no readings > 100 ppm.

All readings greater than or equal to 100 ppm are tabulated in Table IV. Four readings at or above 100 ppm occurred during this report period reflecting three separate incidents. All three incidents occurred in the Reactor Building affecting the center aisle and the knock out pots. There were no incidents in the Pilot Plant and General Area this report period.


R. A. Lojewski

RAL:ms

TABLE I
REACTOR BUILDING

Period Covered 11-15/11-21-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1 Center Aisle Column #2, 1st flr	161	0.2	7	0	0	0
2 Center Aisle Column #4, 1st flr	161	0.3	5	1	0	0
3 Center Aisle Column #6, 1st flr	161	0.3	5	2	0	0
4 #1 Slurry Transfer Pump, 1st flr	161	0.7	7	4	1	0
5 #2 Slurry Transfer Pump, 1st flr	161	0.7	6	3	1	0
6 Deboamer Tanks, 1st flr	161	0.3	4	2	0	0
7 #1 Recovery Compressor Wall, 1st flr	161	1.9	63	10	2	0
8 #1 Recovery Vacuum Seal Pump, 1st flr	161	2.2	83	16	1	0
9 VCM Day Tank Pumps, outside	0	SPEC. (15)	←			
10 Center Aisle Column #2, 2nd flr	161	0.7	18	3	1	0
11 Center Aisle Column #4, 2nd flr	163	1.1	21	8	1	0
12 Center Aisle Column #6, 2nd flr	163	0.7	20	7	0	0
13 Stripper #2 Platform, manhole, 2nd flr	163	1.0	42	10	1	0
14 Panel Board Column #7, 2nd flr	163	1.0	26	5	0	0
15 Stripper #1 Platform, manhole, 2nd flr	163	1.9	44	12	1	0
16 Knock-Out Pots, 2nd flr	163	2.0	34	10	1	1
17 West Wall Between Old Styrene Tanks, 2nd flr	163	1.8	42	7	1	0
18 South Wall Near Gelatin Make-Up Area, 2nd flr	163	1.6	51	7	1	0
19 Stairwell in Hallway, 2nd flr	163	2.4	89	17	0	0
20 Outside, near left side door to weigh tank	0	SPEC. (12)	←			

Total

2916 1.20 569 124 12 1

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R.A. Loj
4/15/

TABLE II

PILOT PLANT

Period Covered 11-15/11-21-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1 Dryer	141	1.8	23	10	1	0
2 Lift Station (future)	141	3.9	60	44	0	0
3 Pilot Laboratory	141	0.6	15	2	0	0
4 Centrifuge	141	0.9	19	3	0	0
5 "F" Reactor	141	1.5	27	4	1	0
6 Marshall Flame	141	2.3	52	14	1	0
7 Cooling Tower	141	1.1	35	2	0	0
8 Pump Switches	141	1.5	36	12	0	0
9 "E" Reactor	141	1.0	25	2	0	0
10 "H" & "G" Reactors	141	1.2	30	0	0	0
Total	1410	1.58	322	93	3	0

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4/15/76

TABLE III
GENERAL AREA

Period Covered 11-15/11-21/75

	Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1	Truck Loading	160	1.4	47	11	0	
2	Quality Control Laboratory, west	160	0.5	10	0	0	
3	Quality Control Laboratory, east	160	0.2	3	0	0	
4	Lunchroom	160	0.1	1	0	0	
5	Bulk Loading Tower	160	0.1	0	0	0	
6	Dryer Room	160	0.1	0	0	0	
7	Dragging Seat	160	0.1	1	0	0	
8	Maintenance Shop	160	0.4	1	1	1	
9	VGN Pumps	160	2.3	47	18	0	
10	Tank Car Unloading	160	3.3	75	35	6	
	Total	1600	1.1	185	65	7	

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EXCURSIONS AT 100 ppm OR GREATER

PERIOD COVERED 11-15/11-21-7

<u>DATE</u>	<u>TIME, HRS.</u>	<u>AREA</u>
11-18-75	1817	CENTER AISLE COLUMN #4, 1 ST FL. R BLDG.
	1819	CENTER AISLE COLUMN #6, 1 ST FL. R BLDG.
	2009	KNOCK OUT POTS 2 ND FL. R BLDG.
11-19-75	0718	CENTER AISLE COLUMN #6, 2 ND FL. R BLDG.

R.A.L.
4/29/75