

TO J. T. Sweeney AT Flemington DATE December 9, 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 29, 1975 to December 5, 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. Also included is a graph showing the weekly percentage of readings exceeding 1 and 5 ppm VCM for the Reactor Building. The graph will be updated weekly and attached to all future reports. Monitoring points RE #9 and RE #20 remained in special service during this report period.

The plant was in operation 5 1/2 days for this report period running at about 77% 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, 12 excursions > 25 ppm and 2 readings > 100 ppm.

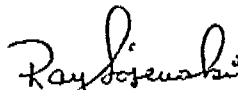
The Pilot Plant showed 356 readings > 1 ppm, 8 excursions > 25 ppm and no readings > 100 ppm.

The General Area showed 69 readings > 1 ppm, 2 excursions > 25 ppm and no readings > 100 ppm.

The Lift Station showed 94 readings > 1 ppm, 9 excursions > 25 ppm and 1 reading > 100 ppm.

The Parshall Flume showed 54 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. Nine readings at or above 100 ppm occurred during this report period reflecting six separate incidents. Three incidents occurred in the Reactor Building affecting both stripper platforms and the center aisle, first and second floors. One incident occurred in the Pilot Plant at "E" reactor while the remaining two incidents occurred at the Lift Station. There were no incidents in the General Area this report period.


R. A. Lojewski

RAL:ms

TABLE I
REACTOR BUILDING

Period Covered 11-29/12-5-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1 Center Aisle Column #2, 1st flr	151	0.3	9	3	0	0
2 Center Aisle Column #4, 1st flr	151	0.6	9	3	0	0
3 Center Aisle Column #6, 1st flr	151	0.6	9	6	1	0
4 #1 Slurry Transfer Pump, 1st flr	151	0.5	12	3	0	0
5 #2 Slurry Transfer Pump, 1st flr	151	0.3	8	3	0	0
6 Defoamer Tanks, 1st flr	151	0.2	7	2	0	0
7 #1 Recovery Compressor Wall, 1st flr	151	1.0	24	5	0	0
8 #1 Recovery Vacuum Seal Pump, 1st flr	151	1.1	25	4	1	0
9 VCM Day Tank Pumps, outside	0	SPEC.	<			
10 Center Aisle Column #2, 2nd flr	151	0.9	11	7	1	0
11 Center Aisle Column #4, 2nd flr	152	0.9	18	3	1	0
12 Center Aisle Column #6, 2nd flr	152	1.1	16	3	1	0
13 Stripper #2 Platform, manhole, 2nd flr	152	2.2	38	11	2	0
14 Panel Board Column #7, 2nd flr	152	1.0	26	3	1	0
15 Stripper #1 Platform, manhole, 2nd flr	152	1.5	27	7	2	0
16 Knock-Out Pots, 2nd flr	152	1.4	26	4	1	0
17 West Wall Between Old Styrene Tanks, 2nd flr	152	1.2	28	5	0	0
18 South Wall Near Gelatin Make-Up Area, 2nd flr	152	1.7	47	11	0	0
19 Stairwell in Hallway, 2nd flr	152	2.1	35	15	1	0
20 Outside, near left side door to weigh tank	0	SPEC.	<			

Total

2727 1.03 395 102 12

TABLE II

PILOT PLANT

Period Covered 11-29/12-5-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1 Dryer	151	0.1	3	1	0	0
2 Lift Station (future)	151	8.6	94	82	9	1
3 Pilot Laboratory	151	0.2	6	3	0	0
4 Centrifuge	151	1.7	56	7	1	0
5 "F" Reactor	151	1.6	42	4	2	0
6 Marshall Flume	151	2.0	54	19	1	0
7 Cooling Tower	151	3.4	78	6	2	0
8 Pump Switches	151	1.5	40	3	1	0
9 "E" Reactor	151	1.8	64	3	1	0
10 "B" & "C" Reactors	151	1.7	67	3	1	0
Total	1510	2.2	504	131	18	1

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TABLE III
GENERAL AREA

Period Covered 11-29/12-5-75

Monitoring Point	N	$\bar{x}$	>1	>5	>25	>100
1. Truck Loading	151	<0.1	0	0	0	0
2. Quality Control Laboratory, west	151	0.1	1	0	0	0
3. Quality Control Laboratory, east	151	0.1	0	0	0	0
4. Lunchroom	151	<0.1	0	0	0	0
5. Bulk Loading Tower	151	0.1	2	0	0	0
6. Dryer Room	151	0.1	1	0	0	0
7. Bagging Seat	151	0.1	0	0	0	0
8. Maintenance Shop	151	<0.1	0	0	0	0
9. VCM Pumps	151	1.9	42	17	2	0
10. Tank Car Unloading	151	0.9	23	7	0	0
Total	1510	0.36	69	24	2	0

COLORITE 006337

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EXCURSIONS AT 100 ppm OR GREATERPERIOD COVERED 11-29/12-5

<u>DATE</u>	<u>TIME, HRS.</u>	<u>AREA</u>
11-29-75	2333	CENTER AISLE COLUMN #4 1 st 1 st R BD,
11-30-75	1703	CENTER AISLE COLUMN #6 2 nd 1 st R BD,
	1705	STRIPPER #2 PLATFORM MANHOLE 2 nd R
12-2-75	1803	LIFT STATION
	2033	LIFT STATION
	2143	E REACTOR (PILOT PLANT)
12-5-75	1938	STRIPPER #1 PLATFORM, MANHOLE, 2 nd 1 st R BD,
	1948	CENTER AISLE COLUMN #4 1 st 1 st R BD,
	1950	CENTER AISLE COLUMN #6 1 st 1 st R BD,

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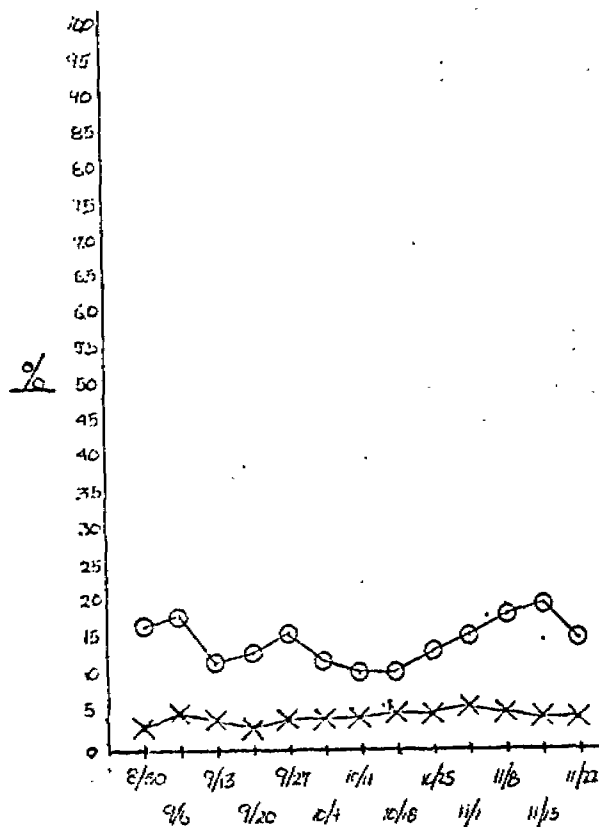
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FLEMINGTON BERRICK MONITORING SYSTEM

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.L.