

TO J. T. Sweeney AT Flemington DATE July 30, 1975

FROM W. C. Champion AT Flemington COPY TO W. D. Bord
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SUBJECT VCM Exposure Data
Bendix Monitoring System

Area summaries and excursions covering the period from July 19, 1975 to July 25, 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 7 excursions γ 25 ppm with 1 reading γ 100 ppm.

The Pilot Plant showed 11 excursions γ 25 ppm with 1 reading γ 100 ppm.

The General Area showed 4 excursions γ 25 ppm with no readings γ 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 eight separate incidents. Three incidents occurred in the Reactor Building affecting the panel board, center aisle and the weigh tank area. Two incidents occurred in the Pilot Plant affecting B&C, E and F reactors. The remaining three incidents occurred at the parshall flume and lift station areas.

W. C. Champion (rc)
W. C. Champion

WCC:ms

TABLE I
REACTOR BUILDING

Period Covered 7-19/7-25-75

	Monitoring Point	N	$\bar{x}$	>5	>25	>100
1	Center Aisle Column #2, 1st flr	161	0.5	5	0	0
2	Center Aisle Column #4, 1st flr	161	0.8	5	1	0
3	Center Aisle Column #6, 1st flr	161	0.5	2	1	0
4	#1 Slurry Transfer Pump, 1st flr	161	0.4	2	0	0
5	#2 Slurry Transfer Pump, 1st flr	161	0.4	1	0	0
6	Defoamer Tanks, 1st flr	161	0.4	0	0	0
7	#1 Recovery Compressor Wall, 1st flr	161	1.9	18	2	0
8	#1 Recovery Vacuum Seal Pump, 1st flr	161	1.2	2	0	0
9	VCN Day Tank Pumps, outside	161	0.4	1	0	0
10	Center Aisle Column #2, 2nd flr	161	0.5	1	0	0
11	Center Aisle Column #4, 2nd flr	158	0.6	5	0	0
12	Center Aisle Column #6, 2nd flr	158	1.3	7	0	0
13	Stripper #2 Platform, manhole, 2nd flr	158	0.7	5	0	0
14	Panel Board Column #7, 2nd flr	158	1.3	7	1	1
15	Stripper #1 Platform, manhole, 2nd flr	158	1.1	3	1	0
16	Knock-Out Pots, 2nd flr	158	1.6	7	1	0
17	West Wall Between Old Styrene Tanks, 2nd flr	158	1.3	5	0	0
18	South Wall Near Gelatin Make-Up Area, 2nd flr	158	1.0	5	0	0
19	Stairwell in Hallway, 2nd flr	158	1.3	9	0	0
20	Outside, near left side door to weigh tank	158	0.8	8	0	0
	Total	3190	0.91	98	7	1

R.A. Lojewski
4/15/75

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TABLE II
PILOT PLANT

Period Covered 7-19/7-25-75

Monitoring Point		N	$\bar{x}$	>5	>25	>100
1	Dryer	161	1.3	8	3	0
2	Lift Station (future)	161	1.6	4	1	1
3	Pilot Laboratory	161	1.0	9	0	0
4	Centrifuge	161	1.3	3	2	0
5	"F" Reactor	161	2.0	10	2	0
6	Parshall Flume	161	1.4	3	2	0
7	Cooling Tower	161	1.7	6	1	0
8	Pump Switches	161	1.0	4	0	0
9	"E" Reactor	161	0.9	6	0	0
10	"B" & "C" Reactors	161	0.9	2	0	0
Total		1610	1.31	57	11	1

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4/15/75

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T' III
GENERAL AREA

Period Covered

7-19-75-75

	Monitoring Point	N	$\bar{x}$	≥ 5	≥ 25	≥ 100
1	Truck Loading	160	0.2	3	0	0
2	Quality Control Laboratory, west	160	0.2	3	0	0
3	Quality Control Laboratory, east	160	0.1	1	0	0
4	Lunchroom	160	<0.1	0	0	0
5	Bulk Loading Tower	160	0.1	0	0	0
6	Dryer Room	160	0.1	0	0	0
7	Bagging Seat	160	<0.1	0	0	0
8	Maintenance Shop	160	<0.1	0	0	0
9	VCM Pumps	160	2.6	25	3	0
10	Tank Car Unloading	160	1.8	19	1	0
Total		1600	0.54	51	4	0

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4/15/75

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EXCURSIONS AT 100 ppm OR GREATERPERIOD COVERED 7-19/7-25

<u>DATE</u>	<u>TIME, HRS.</u>	<u>AREA</u>
7-21-75	0506	PANEL BOARD COLUMN #7, 2 ND FL. R BLDG.
7-22-75	0503	LIFT STATION
	0655	PARSHALL FLUME
7-23-75	0524	PARSHALL FLUME
	1936	F REACTOR
	2328	E REACTOR
	2330	B & C REACTORS
7-24-75	0328	CENTER AISLE, COLUMN #2 2 ND FL. R BLDG.
	0345	OUTSIDE, NEAR LEFT SIDE DOOR TO WEIGH TANK. RnB

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R.A.L.
4/29/75