

December 10, 1974

R C KNIGHT

B. S. MILLER

PLANT AREA READINGS - PPM VINYL CHLORIDE

During the months 7/1/74 thru 10/30/74, we have taken many 10 minute air samples from different areas throughout the plant checking for levels of vinyl chloride in the air. On the pages attached, the total average and range of the readings are outlined

The samples were taken in 7 litre, multi layer gas sampling bags through Bendix Corp. and Calibrated Instruments, Inc. air sampling pumps. The samples were analyzed with a Hewlett Packard 5711A flame ionization detector gas chromatograph and recorded through a Hewlett Packard 3380A integrator recorder

We are now taking 1 hour samples and haven't accumulated much data, but all indications show that the average reading will drop in all areas

B. S Miller

BSM/mr

cc: P J Foley
F. F Hoy

attachments

Noted
12/10/74
P
F
Hoy

OCC 014682

PLANT AREA READINGS - PPM VINYL CHLORIDE

7/1/74 thru 10/30/74

General Warehouse	Bagger		Loading Resin	Car Truck
0 96	4 0	0 9	1 4	
0 95	1 0	0 2	60 9	
0 35	1 25	1 3	0 7	
0 68	1 7	0 4	5 95	
1 4	3 2	3 4	0 7	
3 3	0 5	1 7	1 4	
0 4	0 9	0 4		
1 0	0 2	3 3		
1 5	0 7	1 2		
0 8	0 6	3 8		
1 0	2 5	0 3		
2 0	1 5	0 7		
1 0	0 6			
0 5	0 9			
	0 5			
	1 2			
	1 9			
	3 2			
	0 7			
Dryer	Millroom		Blender Room	
0 65	0 75	2 4	4 7	0 1
5 3	2 20	0 4	1 4	7 9
3 0	0 35	2 3	1 3	2 0
3 0	2 0	1 7	0 7	4 3
2 0	1 2	0 8	1 0	3 6
1 2	1 35	0 4	1 0	1 2
1 7	1 8	0 2	0 4	2 6
0 4	0 85	0 6	0 2	1 8
0 6	0 25	6 2	1 2	3 8
1 8	2 7	1 0	0 8	1 1
0 9	0 7	0 9	0 7	0 3
1 15	2 3	3 4	1 9	2 7
0 65	0 15	8 2	3 1	1 9
1 1	1 3	1 5	1 4	1 6
0 25	0 1	1 9	0 25	1 2
	0 4	0 3	11 6	
	0 5	0 5	0 9	
	6 3		11 5	
	3 6		0 4	

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Utility Bldg		Maintenance Bldg		Laboratory	
1 3		0 50		5 6	0 6
0 65		0 45		1 0	0 4
1 0		0 3		0 5	0 5
1 0		1 3		0 5	0 4
2 0		0 3		0 2	0 4
0 3		0 6		1 3	0 5
1 4		0 3		0 8	0 2
0 6		0 4		0 3	0 2
		0 7		0 6	3 6
		1 1		0 5	0 4
		0 9		2 9	0 5
		1 5		1 0	0 5
				1 7	
				0 5	
				0 6	
				0 5	
				1 9	
				0 3	
				2 4	
Poly Bldg - 1st Floor		Poly Building - 2nd Floor			
18.1	1.25	5 3	0 8	11 7	3 8
4 8	13 0	4 3	2 5	1 1	6 4
11 6	5 2	6 8	3 0	3 2	1 6
11 1	28 3	42 2	9 4	6 7	2 0
6 5	3 5	13 6	13 4	3 5	54 1
1 5	3 5	21 2	1 1	5 2	7 6
7 2	3 2	5 5	5 7	5 3	
5 1	0 4	4 9	4 8	5 4	
7 7	2 2	2 6	0 4	2 2	
3 7	1 9	12 9	5 9	7 1	
1 5	3 5	13 6	4 3	0 8	
0 85	3 1	1 8	1 5	1 2	
1 8	1 4	2 0	2 25	4 3	
2 6		5 0	6 1	3 6	
2 8		2 6	7 7	6 65	
3 0		1 3	2 3	4 0	
5 3		4 3	4 3	4 7	
2 7		5 2	2 1	7 3	
5 7		6 3	2 3	11 7	

Control Room	VCM Storage & Unloading	Catalyst Bldg
6 3 0 8 14 6 13 4 6 5 1 1 2 2 0 3 2 4 0 35 1 2 2 0 0 8 0 3 0 8	0 7 3 2 2 4 26 9 3 2 20 9 15 4 0 7 2 4	0 35
Poly - Motor Control	Main Office	
2 3	0.4 0 4 0 4 0 5 0 2 0 2 0 65 0 3	

7/1/74 thru 10/30/74

AREA	AVERAGE PPM	RANGE	NO READINGS
Warehouse	1 13	0 to 3 3	14
Millroom	1 71	0 2 to 8 2	36
Blender Room	2 37	0 1 to 11 6	34
Dryer	1 58	0 25 to 5 3	15
Bagger Area	1 44	0 2 to 3 8	31
Resin Loading <u>Car</u> <u>Truck</u> (Operator Level)	11 84	0 7 to 60 9	6
Utility Building	1 03	0 3 to 2 0	8
Maintenance Bldg	0 70	0 to 1 5	12
Poly, 1st Floor	5 44	0 4 to 28 3	32
Poly, 2nd Floor	6 55	0 4 to 54 1	63
Poly Control Room	3 54	0 3 to 14 6	15
Laboratory	1 01	0 2 to 5 6	31
Catalyst Bldg	0 35		1
Motor Control - Poly	2 30		1
Main Office	0 38	0 2 to 0 65	8
VCM Unloading	8 42	0 7 to 26 9	9

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AREA	No of Readings	≤ 0.5	0.6-1.0	1.1-5.0	≥ 5.1
Lab	31	58.1%	19.4%	19.4%	3.2%
Poly 1st floor	32	3.1	3.1	56.3	37.5
Poly 2nd floor	63	1.6	3.2	56.8	44.4
Poly Control Room	15	20.0	20.0	33.3	26.7
KM storage unloading	9	0	22.2	44.4	33.4
Catalyst Bldg	1	100.0	0	0	0
Poly Motor Control	1	0	0	100.0	0
Main Off ice	8	87.5	12.5	0	0
Gen Warehouse	14	21.4	50.0	28.6	0
Bagging Area	31	22.6	29.0	48.4	0
Loading Port ^{car} Truck	6	0	33.3	33.3	33.3
Dryer	15	14.3	21.4	57.1	7.2
Mil room	36	30.6	19.4	41.7	8.3
Blender Room	34	17.6	17.6	55.9	8.9
Utility Bldg	8	12.5	50.0	37.5	0
Maint Bldg	12	50.0	25.0	25.0	0

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