

PERSONEL & AREA VCM SAMPLING
(Gas Bag)

A

<u>AREA</u>	<u>JOB</u>	<u>DEC.</u>	<u>JAN.</u>
1. Large Reactor	Lead Operator	9.8	0.5
	Reactor Operator	16.1	39.0
2. V-11 Reactor			0.3*
3. V-12 Reactor			0.2*
	Lead Operator	0.9	
	Charge Operator	0.8	
	Recovery Operator	0.5	
	Utility	1.0	
5. V-11 Dryers	Lead Operator	1.1	1.2 (Control Room)
	Dryer Operator	2.6	1.5
	Utility	1.7	0.8/4.4
11. Plast. Bldg.	Plasticizer Operator	0	0.6
12. Plast. Tnk. Farm	Yard Operator		<0.2
14. Maintenance Shop		0	0.3
15. Engineering Office		0.4	0/0.6/<0.2 15 Minutes
16. Laboratory		0.6	0.4
		0.6	1.2
		0.7	0.4
17. Compounder		0.4	
	Operator	0.7	
	Utility	1.9	
18. Compound-3	Operator		0.6*
	Utility		0.5*
19. Dry Blend	Utility		1.4
	Operator		2.7
23. West Warehouse		47.8	0.7
24. Compress Warehouse		5.8	
25. PVC Bag Machine		9.8	
26. Management Office (8 hr. Samples)		N.D./N.D.	0.9/0.8/0.6/<0.1/<0.1
27. Waste Treatment Pond		0	0.3
32. Prairie 12-16 (8 Hour)			N.D/0.3/0.5/<0.1/<0.1

Prairie 12-14

Grab Bag Samples (1-31-75)

2.9/1.0/0.3/4.3/
2.5/2.9/9.9/13.5

Prairie 12-11

0.2/ 0.2/<0.1/<0.1

County Landfill

(<0.1) (6 Grab Samples)
1/13/75

COT/lpb
2/12/75

TABLE I
SUMMARY OF ABERDEEN PLANT VCM
EXPOSURE FOR
NOVEMBER 1975 - MARCH 11, 1976

PLANT AREA	PERSONNEL DOSIMETRY				CONTINUOUS MONITORING, % OF READINGS IN RANGE			
	NO. OF EMPLOYEES	NO. OF SAMPLES	AVG. EXPOSURE, ppm	95% UCL	0-0.5	0.5-1.0	1.0-5.0	+5.0
Large Reactor Area	17	71	3.00	17.45	87.03	5.03	7.13	.81
Dryers	25	104	0.22	0.71	97.33	1.08	1.29	.30
Yard Area	6	27	0.29	0.94	-	-	-	-
Line I	9	33	0.38	0.99	95.79	2.72	1.41	0.08
Line III	31	116	0.31	0.85	97.38	2.02	0.54	0.05
Dry Blend	6	23	0.22	0.57	90.10	6.34	3.35	0.20
Resin Staging Area	-	-	-	-	77.14	13.71	9.01	0.14
Plasticizer	4	17	0.12	0.23	-	-	-	-
East Whse.	13	54	0.48	1.99	69.24	11.58	19.02	0.17
Vinyl Bagging Area	-	-	-	-	85.62	9.69	4.62	0.07
Laboratory	27	110	0.26	0.66	-	-	-	-
"New" Office Area	31	7	0.17	0.32	-	-	-	-
Transportation Office	3	3	0.17	0.40	-	-	-	-
Receiving Whse.	3	12	0.41	0.99	-	-	-	-
Safety Offices	9	23	0.20	0.66	-	-	-	-
Maint. Shop	4	16	0.26	0.69	-	-	-	-
Stockroom	4	12	0.13	0.21	-	-	-	-
Electrical Shop	8	32	0.28	0.76	-	-	-	-
Maint. Office Area	7	24	0.26	0.82	-	-	-	-

TABLE II
SUMMARY OF ABERDEEN PLANT VCM
EXPOSURE FOR.
MARCH 11 - APRIL 14, 1976

PLANT AREA	PERSONNEL DOSIMETRY				CONTINUOUS MONITORING, % OF READINGS IN RANGE			
	NO. OF EMPLOYEES	NO. OF SAMPLES	AVG. EXPOSURE, ppm	95% UCL	0-0.5	0.5-1.0	1.0-5.0	+5.0
Large Reactor Area	17	13	3.73	27.74	89.48	4.90	5.17	0.45
Dryers	29	5	0.28	0.88	97.35	1.22	1.31	0.12
Yard Area	6	2	0.15	0.29	-	-	-	-
Line I	-	-	-	-	98.01	1.37	0.62	0.0
Line III	33	10	0.24	0.65	97.39	1.49	1.12	0.0
Dry Blend	9	5	0.16	0.33	96.31	2.65	.99	0.04
Resin Staging Area	-	-	-	-	97.39	2.36	0.25	0.0
Plasticizer*	4	-	-	-				
East Whse.	12	9	0.50	1.53	97.89	1.86	0.25	0.0
Vinyl Bagging Area	8	7	0.30	.77	97.52	2.24	0.25	0.0
Laboratory	27	11	0.17	0.37	93.80	4.91	1.29	0.0
"New" Office Area	28	11	0.10	0.0	-	-	-	-
Transportation Office	7	6	0.12	0.20	-	-	-	-
Receiving Whse.	3	2	0.25	0.67	-	-	-	-
Safety Offices	5	2	0.10	0.10	-	-	-	-
Maint. Shop*	4	-	-	-	-	-	-	-
Stockroom*	4	-	-	-	-	-	-	-
Electrical Shop	8	4	0.25	0.50	-	-	-	-
Maint. Office Area	7	2	0.15	0.29	-	-	-	-
* Discontinued								