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Interoffice Correspondence

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To: V. F. Pisani
From: D. R. Muehlenbrock
Date: December 14, 1983

D 118-D

Subject: Safety, Environmental and VCM Reduction Report - November, 1983

cc: D. E. Black
B. Christenson/L. Hebie/R. Adams/R. Stannard - GCA
D. Henderson/G. Clark - Safety
D. C. Parkhill
G. O. Rabbe - EC
J. Worthington - Dallas
D. P. Tech File - 16.03B (2)

I. Personnel VCM Exposure

Personnel sampling during the month is summarized in this section of the report. There was one TWA value recorded during the month which was abov 1 ppm. On November 22, an operator at #3 plant was exposed to 1.01 ppm w dropping polys. Records indicate respiratory protective equipment was wo during the sampling period.

TWA EXPOSURE (PPM)

Department	High	Low	Average	Samples
Resin	1.01	0.03	0.37	5
LPS	0.49	0.15	0.30	4
Lab	0.40	0.30	0.35	2
Maintenance	0.75	0.22	0.40	6
Tech., Adm., & Plant	0.36	0.05	0.21	4
Overall Plant	1.01	0.03	0.33	21

II. Residuals

Product	High	Low	Average	Samples
PVC 426	37.79	0.20	8.30	12
PVC 450	5.79	0.02	1.27	10
PVC 470	7.38	0.06	1.66	11
PVC 500	73.94	0.05	7.39	53
Exp. & OG Resins	32.79	0.74	13.95	4

III. Environmental Air

A. Leak Patrol

There were a total of 677 points checked and there were two new leaks detected. Both of the new leaks were fixed, leaving no leaks still needing repair at month's end.

B. There were no reportable VCM releases during the month.

C. There were no reactor openings above the standard during the month.

IV. Environmental Water

A. The highest level of VCM recorded for any of the process water sewers during the month was 9.79 ppm. This was the effluent from the No. 1-4 Plant Sump.

The highest level of VCM in the storm sewers was 0.05 ppm.

B. There were no violations at No. 004 Outfall during the month.

C. Wastewater Stripping

There were no violations of the 10 ppm standard during the month.

V. Reclaim System/Flare	Month	Permit Y-T-D*
Flare Use in Hours	0	8 Hr. 45 Min.

*Permit year is 2/1 to 2/1.

VI. Environmental Statistics	Month	Y-T-D
A. Suspension Stripping		
Daily Average (ppm)	88.3	69.2
Days Above Standard Limits	0	2
B. Wastewater Stripping	Month	Y-T-D
Daily Average (ppm)	1.36	1.41
Days Above Standard	0	7

C. Reactor Openings

Number of Charges	1,689	18,350
Number of Reactors Sampled	24	253
Number of Above Standard Limits	0	6
Percent Above Standard Limits	0	2.4
Charges/Openings	1/1	1/1

D. Total Reportable VCM Releases

Number of Releases	0	2

E. Outfall 004

Number of Samples Above NPDES Permit	0	3

VII. Total VCM Emissions from Stripping and Reactor Openings

A. Suspension Resin Stripping

	Month	Y-T-D
EPA Permitted Emissions - lbs.	4,430	48,150
*Texas Permitted Emissions - lbs.	1,329	14,445
Actual VCM Emissions - lbs.	978	8,381
Over/(Under) - lbs. (Texas)	(351)	(6,064)

*Permitted based on 280 MM lb/yr. production by State of Texas (allowable residual @ 120 ppm).

B. Reactor Openings

Permitted VCM Emissions - lbs.	221	2,406
Actual VCM Emissions - lbs.	157	1,951
Over/(Under) - lbs. (Texas)	(64)	(455)

C. Totals

EPA Permitted Emissions - lbs.	4,651	50,556
Texas Permitted Emissions - lbs.	1,550	16,781
Actual VCM Emissions - lbs.	1,135	10,332
Over/(Under) - lbs. (Texas)	(415)	(6,449)
% of Permitted Emissions (Texas)	73.2	61.6

VIII. Injury Report

	Lost Time Cases		Lost Work Cases		Recordable Cases		First Aid Cases	
	MO.	YTD	MO.	YTD	MO.	YTD	MO.	YTD
Resin #3/4	0	0	0	0	0	0	2	24
Maintenance	0	0	0	0	0	0	0	2
Lab	0	0	0	0	0	0	0	0
LPS	0	0	0	0	0	0	0	1
Tech & Admin.	0	0	0	0	0	0	0	0
Total PVC	0	0	0	0	0	0	2	27

D. R. Muehlenbrock

/bsf