



Diamond Shamrock

Interoffice Correspondence

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From: D. R. Muehlenbrock
Date: July 7, 1982

file: DP. Plastics (I.M.)

Subject: Safety, Environmental, and VCM Reduction Report, June, 1982

D 118-0

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D. P. Tech File 16.03B(2)

I. Personnel VCM Exposure

Personnel sampling during this month is summarized in this section of the report. As can be seen from the following table, there were no TWA values above 1 ppm out of 26 samples.

TWA EXPOSURE (PPM)

<u>Department</u>	<u>High</u>	<u>Low</u>	<u>Avg.</u>	<u>Samples</u>
Resin #3/4	0.19	0.01	0.13	16
LPS	0.08	0.01	0.04	3
Lab	0.01	0.01	0.01	1
Maintenance	0.07	0.01	0.04	2
Tech., Adm. & Plt. Supv.	0.12	0.01	0.07	4
Overall Plant	0.19	0.01	0.10	26

II. Residuals

<u>Product</u>	<u>High</u>	<u>Low</u>	<u>Avg.</u>	<u>Samples</u>
PVC 450	1.00	0.05	0.28	32
PVC 470	0.44	0.08	0.18	4
PVC 500	0.35	0.01	0.06	42
Exp. & O.G. Resin	0.31	0.05	0.18	2

III. Environmental Air

A. The highest reading at the Plastics battery limits was 0.01 PPM. The highest reading at the Deer Park Works boundary was also 0.01 PPM.

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III. Environmental Air - Continued

B. Leak Patrol

There were a total of 1,084 points checked. There were 6 new leaks detected. There were 7 leaks repaired with 1 leak remaining to be repaired from current and previous audits.

C. There was no reportable VCM release during the month.

D. 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 0.04 PPM. The highest level of VCM in the storm sewers was 0.82 PPM and was recorded at No. 4 Outfall.

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

C. Wastewater Stripping

There was one wastewater daily average above the standard this month. On 6/24/82, the average was 42.8 ppm. The monthly average was 2.54 ppm.

V. Reclaim System/Flare

	<u>Month</u>	<u>Permit Y-T-D*</u>
Flare Use in Hours	0	2

*Permit year is 2/1 to 2/1

VI. Environmental Statistics

	<u>Month</u>	<u>Y-T-D</u>
A. <u>Suspension Stripping</u>		
Daily Average (PPM)	36.8	60.1
Days Above Standard Limits	0	0

VI. <u>Environmental Statistics - Continued</u>	<u>Month</u>	<u>Y-T-D</u>
B. <u>Dispersion Stripping</u>		
Daily Average (PPM)	No production	910.5
Days Above Standard Limits	0	0
C. <u>Wastewater Stripping</u>		
Daily Average (PPM)	2.54	2.12
Days Above Standard	1	4
D. <u>Reactor Openings</u>		
Number of Charges	1,667	12,143
Number of Reactors Sampled	24	170
Number of Above Standard Limits	0	3
Percent Above Standard Limits	0	1.76
Charges/Opening	1.0/1	1.0119/1
E. <u>EPA Reportable VCM Releases</u>		
Number of Releases	0	0
F. <u>Total Reportable VCM Releases</u>		
Number of Releases	0	0
G. <u>Outfall 004</u>		
Number of samples above NPDES Permit	0	3

VII. Total VCM Emissions from Stripping and Reactor Openings

A. <u>Suspension Resin Stripping</u>	<u>Month</u>	<u>Y-T-D</u>
EPA Permitted Emissions - Lbs.	4,293	29,464
*Texas Permitted Emissions - Lbs.	1,288	9,154
Actual VCM Emissions - Lbs.	395	4,498
Over/(Under) - Lbs. (Texas)	(893)	(4,656)
*Permitted based on 280 MM Lb/Yr. production by State of Texas (allowable residual @ 125 PPM).		
B. <u>Dispersion Resin Stripping</u>		
EPA Permitted Emissions - Lbs.	0	5,865
*Texas Permitted Emissions - Lbs.	0	2,053
Actual VCM Emissions - Lbs.	0	2,656
Over/(Under) - (Texas)	0	603

VII. Total VCM Emissions from Stripping and Reactor Openings - Continued

C. <u>Reactor Openings</u>	<u>Month</u>	<u>Y-T-D</u>
Permitted VCM Emissions - Lbs.	214	1,530
Actual VCM Emissions - Lbs.	176	1,115
Over/(Under) - Lbs. (Texas)	(38)	(415)
D. <u>Totals</u>		
EPA Permitted Emissions - Lbs.	4,507	36,859
Texas Permitted Emissions - Lbs.	1,502	12,737
Actual VCM Emissions - Lbs.	571	8,269
Over/(Under) - Lbs. (Texas)	(931)	(4,468)
% of Permitted Emissions (Texas)	38.0%	64.9%

VIII. Injury Report

	<u>Lost Time Cases</u>		<u>Lost Work Cases</u>		<u>Recordable Cases</u>		<u>First Aid Cases</u>	
	<u>MO.</u>	<u>YTD</u>	<u>MO.</u>	<u>YTD</u>	<u>MO.</u>	<u>YTD</u>	<u>MO.</u>	<u>YTD</u>
Resin #3/4	0	0	0	0	0	1	1	7
Maintenance	0	0	0	0	0	1	0	5
Lab	0	0	0	0	0	0	0	0
LPS	0	0	0	0	0	0	0	3
Tech. & Admin.	0	0	0	0	0	0	0	0
Total PVC	0	0	0	0	0	2	1	15

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