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EA PRIMEAU

C

Date 10 April 1974

J. D. KRAMER

Subject LOSSES FROM PVC BLEND TANK

From G. B. H. SPEED

☐ Take Action	☐ For Your Approval	☐ For Your Info	☐ Discuss With Me
☐ For Your Comments	☐ As Requested	☐ File	☐ Note & Return

After the PVC blend tank ventilation system was installed in March 1974, a continuous sample of the ventilation exhaust was taken to the Bendix chromatograph. It was found that the VCl and propylene contents of the stream always exceeded the chromatograph scale. The average readings are as follows:

Vinyl Chloride	> 200 ppm	> 3.2 lbs./hr.
Vinyl Acetate	8 ppm	0.13 lbs./hr.
Propylene	> 50 ppm	> 0.81 lbs./hr.

The laboratory has been asked to spot check the stream to determine actual propylene and VCl contents.

G. B. H. Speed
G. B. H. SPEED

GBHS/pk

cc: J. T. Barr/Valley Forge
D. V. Lowe
R. E. Luken
E. A. Ray/Pensacola
F. L. Riddle
M. H. Stermon

A. K. MCILLAN

AP00035187



Air Products and Chemicals
INC.

ESCAMBIA PLANT

INTEROFFICE MEMORANDUM

To: Mr. A. K. McMillan ✓
From: Mr. Dale H. Francke
Re: PVC-VCl Loss Summary for
March 1974

Date: 10 April 1974

Copies: E. A. Primeau
E. A. Ray

Attached is a summary of the PVC-VCl losses as calculated for the PVC March Material Balance. These losses are calculated on better data than the February losses and are probably more typical to our current operation. Reductions in items 1, 2, and 4 are partially due to better analysis, but also reflect better stripping operation. This is also reflected in our better Monthly Efficiency.

The attached summary also lists our Year-To-Date (Y. T. D.) totals of losses and % loss. These numbers are Y.T.D. totals starting with February 1974, the first month of this program.

Dale H. Francke

Dale H. Francke

DHF:bp

Attachment 1

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PVC-VCI LOSS SUMMARY MONTH OF MARCH 1974

MONTHLY EFFICIENCY = 94.65 %
LOSS OF PVC-VCI = 235,045

POINT OF LOSS	VCI		PVC		TOTAL		% LOSS	
	MARCH	Y.T.D.*	MARCH	Y.T.D.*	MARCH	Y.T.D.*	MARCH	Y.T.D.*
1. Dryer Discharge Blowers	4,944	37,779	69,685	129,768	74,629	167,547	1.09	1.26
2. Effluent Water to Pond (includes centrifuge (~78%) and washdown water (~22%))	1,004	42,482	22,230	23,577	23,234	66,059	.35	.50
3. PVC to dump	—	—	40,550	82,550	40,550	82,550	.59	.62
4. Bleed Tank Vent Discharge	5,581	19,322	—	—	5,581	19,322	.08	.15
5. Losses to Air from Stripper Exhaustive	7,089	18,329	—	—	7,089	18,329	.10	.14
6. Losses to Air from Overpressured Reactors	40,000	48,500	—	—	40,000	48,500	.59	.34
7. VCI Condensor Vent	4,548	11,683	—	—	4,548	11,663	.07	.09
8. Losses from Purged Reactors	2,289	5,450	—	—	2,289	5,450	.03	.04
9. VCI from Purification Condensor	12,493	23,777†	—	—	12,493	23,777	.18	.18
10. VCI from Charge Pump Venting	545	1,037†	—	—	545	1,037	.01	.01
11. Difference from Conoco Weights	24,087	33,862	—	—	24,087	33,862	.35	.25
TOTAL	102,580	242,201	132,465	235,895	235,045	470,096	3.44	5.60

* YEAR-TO-DATE FROM FEB. 1974

† THESE NUMBERS ARE BASED ON PREVIOUS DATA. ANALYSIS

WILL BE MADE FOR APRIL

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