



LLA

Interoffice Communication

To G. L. Foshee
From P. D. Despres
Date May 29, 1981
Subject Status of the VCM Plant By-Products

To assist in the upcoming negotiations for the sale of the VCM Plant's by-products, composition and production figures have been updated. The attached tables list historical composition ranges and both current and projected heavy and light ends production. The projected quantities are based on the VCM Plant expansion design material balance.

If there are any questions, please contact me at 5060.

Paul D. Despres

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Process Engineer

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cc:
JAD-JWW-MLA-DLD-PE

CWH 00000B341

CONOCO VCM PLANT LIGHT ENDS BY-PRODUCTS ANALYSIS

Typical compositional component ranges are shown below.

	<u>WT. %</u>
Ethyl Chloride	25 - 50
Trichloromethane (chloroform)	15 - 30
1,2 - Dichloroethane	3 - 16
Tetrachloromethane (Carbon Tetrachloride)	5 - 15
1,1 - Dichloroethene (Vinylidene Chloride)	1 - 8
T - 1,2 - Dichloroethene	nil - 7
C - 1,2 - Dichloroethene	nil - 5
1,1, Dichloroethane	2 - 6
Vinyl Chloride	1 - 5
1,1,2 - Trichloroethylene	nil - 0.3
Water	30 - 3000 ppm

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CONOCO VCM PLANT HEAVY ENDS BY-PRODUCT ANALYSIS

Typical compositional component ranges are shown below.

	<u>WT %</u>
1,1,2 - Trichloroethane	35 - 65
1,2 - Dichloroethane (EDC)	8 - 25
2 - Chloroethanol	0.5 - 2.0
30 - 40 Chlorinated C ₄ 's and Heavier	20 - 35
Non-Volatiles	2 - 6
Acid (as HCl)	500 - 2000 ppm
Water	nil - 400 ppm

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CONOCO VCM PLANT BY-PRODUCT PRODUCTIONS

MM LBS./YR.

	<u>Light Ends</u>	<u>Heavy Ends</u>
Current ¹	5.03 - 10.29	12.08 - 16.41
Projected Maximum	19.64	18.87

¹Historical Basis

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<u>Light Ends Analysis</u> ¹	<u>WT %</u>	<u>Heavy Ends Analysis</u> ²	<u>WT %</u>
Ethyl Chloride	37.8	1,1,2-Trichloroethane	52.5
Chloroform	25.5	Ethylene Dichloride	13.3
Ethylene Dichloride	15.4	Bis(Chloroethyl)Ether	3.3
Carbon Tetrachloride	12.7	2-Chloroethanol	1.2
1,1 - Dichloroethane	4.7	1,1,2,2-Tetrachloroethane	0.8
Vinyl Chloride	2.2	Perchloroethylene	0.3
Vinylidene Chloride	1.0	30-40 Chlorinated C ₄ 's and Heavier	28.6
Ethylene	0.6		
T - 1,2-Dichloroethene	0.1		
C-1,2-Dichloroethene	trace		
Water	50 ppm		
2-Chloroethanol	<u>0.046</u> ppm		
	100%		100%

¹Monthly Averages, 1981

²Compiled July, 1980

ANNUAL PRODUCTION, MM LBS.

<u>Year</u>	<u>Light Ends</u>	<u>Heavy Ends</u>
1981 (Projected)	10.24	12.75
1980	5.03	12.08
1979	6.63	13.58
1974	10.29	16.41

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