

INTER-OFFICE MEMO

TENNEGO CHEMICALS, INC.

TO H.B. Carr
 FROM F.W. Kanzler
 SUBJECT MONTHLY PROGRESS REPORT
 July, 1973

AT Burlington
 AT Burlington

DATE July 24, 1973

COPY TO R.J. Eckman
 P. Gawason
 H.R. Horton
 R.A. Lojewski
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 File

I. ROUTINE ANALYSISA. Raw Material Evaluation

Ammonium Persulfate - Assay	1
IR Scan	16
Avirol POL-1-N	
Cloud Point	2
% FAS	2
Bottle Polymerization (2 runs @ 4 bottles each)	2
RVCM Storage	
Phenol in Copolymer Storage	4
VCM Tank Cars	
Light End Impurities	2
Styrene Monomer Evaluation	4
MVAc Tank Car Impurities	22
Lupersol 223M - Assay, A(0)	20

B. In-Process Analyses

Trace Oxygen, Compressor	1	15
" " , "	2	13
" " , "	3	14
" " , "	4	14
" " , "	5	14
" " , "	6	14
COD AI		12
COD FCE		12
% FAS AI		2
% FAS FCE		2

C. Finished Product

Bound Acetate	25	
Haze & Closs	27	
		239
Total from Section II		36
	TOTAL	275

II. SPECIAL TESTING

A. Resin Plant

1. Raw Material

a. Methocel

A meeting was held with Dow representatives (G. Ervin and J. Holten) on 6/29/73, the topic of which was the high metallic count (1000+) found in at least three of the five lots of a 2000-lb shipment of 65HG 50 cps Methocel. The shipment was sent to Tenneco in error, due to the neglect of the distributor to advise Dow as to the identification of the customer. Dow has agreed to take back 14 bags of this shipment. The remaining 26 bags will be used only if needed in the plant.

2. In-Process

a. VCM Material Balance

Emphasis in this program was shifted to refinement of a method for low level analysis of residual monomer (<10 ppm) in plastic resins and preparation of standards.

Work on LOP 982 has been discontinued by Process Engineering due to higher priority items.

b. Filter Cloth Evaluation

The cloth type NY76W42 shows excellent filtration rates (1500 lbs+) after about four weeks' use. Process Engineering suggested the use of this cloth as a standard for Tenneco.

B. Compound Plant

1. Raw Materials

A total of 9 lead assays and 6 plasticizer evaluations were performed.

2. Stauffer SCC-676

A VOR 73-1 Clear Green compound manufactured with this resin as a substitute for T-225 showed high gel levels. A long dry blend time (15.4) and fines (9%) thru 200 mesh, as well as large agglomerates noted during microscopic analysis, indicated the need for an increase in shear during processing.

C. Flemington Plant

1. Impact Modifier Program

This program was supported with 12 haze and luminous transmittance analyses.

2. Pilot Plant, Large Reactor Program

A slurry sample and an effluent water sample were analyzed for residual VCM and toluene.

D. Miscellaneous

1. Running Account of Analyses

<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
419	418	428	446	403	375

Fred W. Kanzler
F.W. Kanzler

FWK/jst