

INTER-OFFICE MEMO

TENNECO CHEMICALS, INC.

to W.C. Champion

AT Burlington

DATE July 2, 1974

FROM F.W. Kanzler

Ar Burlington

COPY TO R.J. Eckman
P. Gawason
H.R. Horton
R.A. Lojewski
W.D. Stewart

SUBJECT: COMMUNIST PARTY - PRESS REPORT

I. ROUTINE ANALYSIS

A. In-Process Analyses

Trace Oxygen, Compressor	1	5
" " , "	2	5
" " , "	3	5
" " , "	4	5
" " , "	5	5
" " , "	6	5
Phenol in RVCM-VACM		1

B. Finished Product

VCM in Air - Perimeter	130
" " " - Laboratory, Compound Plant	5
Haze & Gloss	4
Residual VCM in Effluent Water	11
" " " Resin	199
Personal Monitoring	641
Total from Section II	5
Total	1025

II. SPECIAL TESTING

A. Resin Plant

1. Raw Material

a. Sodium Lauryl Sulfate

In search for an alternate supplier for this raw material, samples from Onyx Chemicals were evaluated. Neither of the two types tested showed viscosities satisfactory for our use. A request was made to Purchasing to have Onyx send us samples of sodium lauryl sulfate which falls into our viscosity specification range of 175-275 cps.

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b. General Electric Antifoam AF-60

The vendor has advised us that AF-60 production will be discontinued. The alleged substitute product is AF-93. Samples and data sheets were requested from Purchasing. The AF-93 will be subjected to an evaluation program once samples are received.

2. In-Process

a. Residual VCM in Slurries (Stripping Profile)

The stripping profile program was continued throughout the report period. Resin types tested were T-10R and T-501, as well as T-315 and T-390. Stripper temperatures have been raised to 220°F with one experiment run at 230°F. While the slurry samples showed a decrease of about 130 ppm (350 ppm for 220°F versus 220 ppm for 230°F), the finished resin showed no dramatic change (~10 ppm for both stripping conditions).

b. VCM in Air

Perimeter sampling was continued throughout the report period. While fence samples were not higher than 2 ppm, air samples taken close to the manufacturing buildings were as high as 8 ppm. The overall perimeter average is 1 ppm.

c. Styrene in Primary Effluent

The primary effluent water showed a level of 10 ppm styrene which was traced to styrene dumped during a routine changeover of styrene monomer in the hold tanks.

3. Finished Product

a. Residual VCM in Resin

The Nixon bulk loads of T-10R resin showed a further decrease of the residual monomer levels. The high level found was 28 ppm with an average reading of 15 ppm. The previous month showed 42 ppm and 23 ppm respectively.

B. Compound Plant

1. VCM Monitoring

Personal monitoring was continued in the Compound Plant on a weekly basis.

C. Flemington Plant

1. Haze Analyses

Four haze analyses were performed for the Resin Group.

2. Flemington Conversion

In support of Process Engineering project #4600, a pH time study was performed to check for pH fluctuations of lime-treated copolymer effluent water. The tests showed that the pH fluctuates between 6.3 to 6.9 during a 30-hour period.

D. Fords Plant

1. Supercryl 100

Testing of this material was resumed. A total of 17 lots were analyzed.

E. Miscellaneous

1. OSHA Visit

An OSHA compliance officer visited the Burlington and Flemington sites on June 10th through June 13th.

Parallel samples were taken at both sites. While the Flemington Plant has been revisited by OSHA to be informed that no high personal monitoring readings were found, Burlington has not received word from OSHA of the inspection outcome.

2. Personnel

Mr. J. Lopez has joined Tenneco for the summer as the fourth man of the VCM monitoring crew.

3. Running Account of Analyses

<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>
343	473	352	387	781	798

Fred H. Kanzler

F.W. Kanzler

FWK/jst

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