

TENNECO CHEMICALS, INC.

To John Jacob

AT Fords

DATE October 23, 1975

FROM J. W. Poarch

AT Burlington

COPY TO E. Hourihan
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File

SUBJECT CARBON ADSORPTION SYSTEM

During the Pasadena start-up the packaged carbon adsorption unit was one of the projects Lew Medeiros and I worked with. In general the unit is well designed, but there were two main deficiencies which we found and had to correct. They are as follows:

1. All condensate traps on the regeneration system were totally inadequate. Condensate receivers and level controls were recommended to replace the traps; however, these were not installed before we left Pasadena.
2. The nitrogen heater was an electrical calrod type and surface temperatures would reach approximately 1,000°F. I believe a steam heated exchanger would do the same job at Flemington and would offer a safer and more easily controlled operation.

There were other smaller problems such as an inadequate nitrogen supply regulator and inadequately sized steam supply traps.

An orifice plate meter on the regeneration steam would also be desirable.

J. W. Poarch

JWP/gS