Ethanolamines/Glycol Ethers
Tier 3 Procedure

Section Number	**: 214**		
Issue Number	:1.0		
Original Date	:10-01-96	**Author:**	Tim Dill
Revision Date	:		
Title	:Rerunning High Color TEA to T-271 Directly		
References	: Glossary Equipment Identification (Text 114)		

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214. Rerunning High Color TEA to T-271 Directly

1.0 Objective:

1.1 The objective of this procedure is to rerun high color TEA directly to T-271 without passing the material through the other distillation columns. This method will reduce the exposure of high temperature heat history for the TEA.

2.0 Responsibility:

2.1 It is the responsibility of operations to ensure that this task is executed in a safe and efficient manner in full compliance with this procedure.

3.0 Method:

3.1 High color TEA that otherwise meets the production spec is loaded into DV-273B. This material is metered into T-271 through FIC-2298. DV-273B can be loaded directly from a rail car or from the rerun line.

3.2 Flying transfers must be conducted on the A-5503 material in DV-273A. T-271 bottoms can be placed in DV-273B if absolutely necessary.

4.0 Safety Equipment:

4.1 You will need the following safety equipment for this job: hard hat, safety glasses and gloves.

5.0 Procedure:

5.1 Analyze material to be introduced into the system by GC, color, and water. Only material that is non-conforming due to color will be reran directly into T-271. If the material is slightly high in water or another parameter, a mixing calculation must be completed to determine if the T-271 OH will be out of production specification.

5.2 The high color TEA is transferred to DV-273B from the rerun line. It can be sent from a tank car or from DV-278.

5.3 Arrange the valves on DV-273A/B to isolate the two check tanks.

5.4 Block in the rerun line at DV-243A.

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5.5 Block in the A-5503 line at DV-275.

5.6 Open the DV-278 line to rerun and flow through the A-5503 product line to DV-273B.

5.7 DV-273B is lined up to the FIC-2298 T-271 rerun meter and control valve. The desired flow setpoint is placed on FIC-2298.

6.0 Revisions

Revision No. 1

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