

Ethanolamines/Glycol Ethers Tier 3 Procedure

Section Number: 410
Issue Number: 2.0
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Title: Mixing Tea 85 In Storage Tank
References: Glossary Of Equipment Identification (Text # 114)

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410. Mixing Tea-85 In Storage Tank

1.0 Objective:

1.1 To ensure proper mixing of product to achieve the tea-85 product levels needed to meet sales. To do this without contamination of products.

2.0 Responsibility:

2.1 It is the responsibility of the operations supervisor and the senior operations specialist to ensure that this procedure is fully complied with.

2.2 It is the responsibility of the senior operations specialist and the operations specialist to ensure that this procedure is executed in a safe and efficient manner.

3.0 Special Notation:

3.1 Steps 4.6 thru 4.8 must be coordinated between the boardman and the outside operator.

3.2 Make sure the load valve to the load header is blocked before mixing begins.

4.0 Procedure:

4.1 Use the Atypical program on the Dow workstations in the control room.

4.2 Input total pounds of t85 needed.

4.3 Input purity of DEA.

4.4 Input the percent DEA in the T-99.

4.5 Program will then calculate the pounds of DEA and T-99 needed.

4.6 Start the DEA loading pump and open the DEA fill valves at DV-277 to put in the DEA. (the amount of DEA required is usually small so this step should be done slowly to prevent over shooting the DEA)

4.7 Start the T-99 loading pump on which ever tank is used and open the check tank valves or the T-99 load header to the T-99 storage tank and also at DV-277 to put in the tea.

4.8 When the correct amounts of DEA and tea are in DV-277, put it on recirculation for 1 - 2 hours and sample it to verify that it is within T-85 spec. (11.5 to 12.5% DEA)

5.0 Revisions:
