

## Ethanolamines/Glycol Ethers Tier 3 Procedure

**Section Number:** 1310  
**Issue Number:** 1.3  
**Original Date:** 01-14-92      **Author:** Dwayne Leglue  
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**Title:** Prepare FN-500 For Maintenance  
**References:** Glossary Of Equipment Identification (Text # 114)  
USA-5 Confined space Entry  
LAD -5 Confined space Entry

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### 1310. Preparing FN-500 For Maintenance.

- 1.0 Objective:**
- 1.1 To perform this task in a safe and efficient manner without damage to equipment or injury to personnel.
- 2.0 Responsibility:**
- 2.1 It is the responsibility of the operations supervisor and the senior operation specialist to ensure that this procedure is fully complied with.
  - 2.2 It is the responsibility of the senior operations specialist and operations specialist to ensure that this procedure is executed in a safe and efficient manner.
- 3.0 Safety Notations:**
- 3.1 Flash suit must be worn when racking out a cooling tower fan switch gear.
  - 3.2 The fan blade should not be used to tie off safety harnesses.
- 4.0 Special Notations:**
- 4.1 Maintenance on the cooling tower fans should be scheduled during a plant shutdown if possible. Should this option not be available to us, then we must make sure that the plant can run good with the use of just one cell on the cooling tower.
- 5.0 Procedure:**
- 5.1 Shut fan down in field. Make sure water is diverted to remaining cell if it is required.
  - 5.2 Depress stop button on switch gear in motor control center.
  - 5.3 Rack out the switchgear with the proper safety equipment.
  - 5.4 Have the fuses pulled by a qualified person and lockout the switch gear.

## **5.0 Procedure: Cont'd.**

- 5.5 Check the field switch to be sure the motor will not run and tag the switchgear and field switch open.
- 5.6 After pulling the door on the fan cylinder, scaffold boards will be set up and secured.
- 5.7 Secure two blades of the fan by rope to prevent rotation.
- 5.8 People entering for maintenance work will wear safety harnesses.

## **6.0 Revisions**

|                |          |                                           |
|----------------|----------|-------------------------------------------|
| Revision No. 1 | 07-20-93 | Yearly Review                             |
| Revision No. 2 | 12-23-94 | Yearly Review                             |
| Revision No. 3 | 03-28-95 | Added references for confined space entry |