

## Ethanolamines/Glycol Ethers Tier 3 Procedure

**Section Number:** 441  
**Issue Number:** 1.3  
**Original Date:** 09-13-91      **Author:** Bryan Abadie  
**Revision Date:** 12-29-95  
**Title:** Nabh4 Addition To Tea Tanks Via Portable Pot  
**References:** Glossary Of Equipment Identification (Text # 114)

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### 441. Nabh4 Addition To Tea Tanks Via Portable Pot.

#### 1.0 Objective:

- 1.1 To achieve the addition of nabh4 caplets to the portable pot in a safe and efficient manner.

#### 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 to ensure that this procedure is executed in a safe and efficient manner.

#### 3.0 Safety Notations:

- 3.1 In addition to normal block safety equipment monogoggles and rubber gloves are required to perform this task.
- 3.2 Considerations should be given to charging the pot and circulating the tank at the time that electrical storms are active in the area. Hydrogen will be created as the caplets are dissolved. The hydrogen will be vented through the pvr (pressure vacuum relief valve) to the atmosphere.

#### 4.0 Special Notations:

- 4.1 This procedure can be used without red tagging the system only when the person performing this task is within arms reach of the pot and in constant visual contact of the equipment.

#### 5.0 Procedure:

- 5.1 Block both 2 inch valves on the inlet and outlet of the portable pot between the pump discharge and the tank.
- 5.2 Remove plugs from inlet and outlet bleeds on pot.

- 5.3 Drain liquid from outlet bleed until empty.
- 5.4 Remove 3 inch blind flange from top of pot.

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

- 5.5 Put one four pound bag of nabh4 caplets into pot.
- 5.6 Replace 3 inch blind flange.
- 5.7 Block inlet and outlet bleeds and replace plugs.
- 5.8 Unblock both 2 inch valves on inlet and outlet of nabh4 pot.
- 5.9 Circulate tea through pot for two hours.

## **6.0 Revisions**

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|----------------|----------|---------------|
| Revision No. 1 | 07-16-93 | Yearly Review |
| Revision No. 2 | 12-20-94 | Yearly Review |
| Revision No. 3 | 12-29-95 | Yearly Review |