NOTE: Instructions and guidelines in AP 1001 must be followed when completing this form.

Figure 1001-8

1. Title
   Reduction of Sodium Levels in Aux Bldg Form
   Attaching within 60 min of Sodium Third Level
   Warning

2. Purpose (Include purpose of SOP)

3. Attach procedure to this form written according to the following format.
   A. Limitations and Precautions
      1. Nuclear Safety
      2. Environmental Safety
      3. Personnel Safety
      4. Equipment Protection
   B. Prerequisites
   C. Procedure

4. Generated by Yoshito Nagai Date 4/6/79

   Duration of SOP - Shall be no longer than 90 days from the effective date of the SOP or (a) or (b) below - whichever occurs first.
   (a) SOP will be cancelled by incorporation into existing or new permanent procedure submitted by
      [Signature]
   (b) SOP is not valid after
      [Signature] (If in circumstances which will result in SOP being cancelled)

5. (a) Is the procedure Nuclear Safety Related?
   If "yes", complete Nuclear Safety Evaluation. (Side 2 of this form) ............. Yes [ ] No [ ]
   (b) Does the procedure affect Environmental Protection?
   If "yes", complete Environmental Evaluation. (Side 2 of this form) ............. Yes [ ] No [ ]
   (c) Does the procedure affect radiation exposure to personnel?.............. Yes [ ] No [ ]

   NOTE: If all answers are "no", the change may be approved by the Shift Supervisor. If any questions are answered "yes", the change must be approved by the Unit Superintendent.

6. Review and Approval
   Approved - Shift Supervisor [Signature] Date 4/6/79
   Reviewed - List members of PORC contacted [Signature] Date 4/7/79
   [Signature] Date 4/7/79
   [Signature] Date 4/7/79
   [Signature] Date 4/7/79
   Approved - Unit Superintendent [Signature] Date 4/7/79

7. SOP is Cancelled
   [Signature] Date 4/7/79
   Shift Supervisor/Shift Foreman Date
Attachment to SOP No. 2-53

Limitations and Precautions

1. Nuclear Safety... None
2. Environmental Safety... None
3. Personnel Safety... Personal Protective Practice RWP required

Keep bare skin from touching sodium hydride and sodium thiosulphate

(Plant Normal Plant Precautions when mixing NaOH and Na₂S₂O₃)

4. Equipment Protection... None

B. Prerequisites

Equipment and Chemicals needed:

1. 100 gallon-tank with pump on dolly located at Unit 2 Aux. Bldg. shield doors
2. 40 gallons of 20% NaOH
3. 20 gallons of 30% Na₂S₂O₃
4. Hoses approximately 20 ft in length
5. Check operation of pumps for the 100 gallon tank
6. Adequate power source available.

[Signature]

[Date] 131 0/5
C. Procedure

Step 1. Add and mix 40 gallons of 20% NaOH and 20 gallons of 30% Na₂S₂O₃ into the 100 gallon-tank at outside unit 2 Aux Bldg shield door.

Step 2. Run a black rubber hose through the Aux Bldg shield door to a floor drain on elevation 305'-0 at column line AP by A 64 just north of stairwell.

Step 3. Remove drain cover and securely fasten the hose to the floor drain.

Step 4. Connect power to pump motor.

Step 5. Valve line up:
1. Close Drain value
2. Close PEOPLE value
3. Open pump discharge value

Step 6. Start pump motor and pump out the mixture in the tank
Step 7. Secure the pump.

Step 8. Disconnect the hose and leave the hose inside the Aux Bldg shield door.

Step 9. Close the Aux Bldg shield door.