

AP 1001

Three Mile Island Nuclear Station  
Special Operating Procedure

SIDE 1

Figur. 1001-8

SOP No. 2-6  
(From SOP Log Index)

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

Unit No. 2

Date 4-1-79

1. Title Pressurizer Regas Procedure

2. Purpose (include purpose of SOP)  
Regas pressurizer

CONTROLLED COPY

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

Attached

CONTROLLED COPY  
FILE COPY

**NRC**

4. Generated by OPS Date \_\_\_\_\_

5. 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 MA
- (b) SOP is not valid after \_\_\_\_\_   
(fill in circumstances which will result in SOP being cancelled)

- 6. (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.

7. Review and Approval

Approved - Shift Supervisor G.A. Tdit 4/1/79  
Date

Reviewed - List members of PORC contacted

<u>James J. Porter</u>	<u>4/1/79</u>	Date
<u>Carl E. Hally</u>	<u>4/1/79</u>	Date
<u>R.M. Lohr</u>	<u>4/1/79</u>	Date
<u>...</u>	<u>4/1/79</u>	Date

Approved - Unit Superintendent ... 4/1/79  
Date

8. SOP is Cancelled  
\_\_\_\_\_  
Shift Supervisor/Shift Foreman Date 129 336

PRESSURIZER DEGAS PROCEDURE

2-6  
Rev. 0  
4-1-79

INITIAL CONDITIONS AND ASSUMPTIONS:

1. RCS at  $\approx$  1000 psig 275 degrees F
2. RC-V137 jog control - full open gives 3.6 ft. <sup>3</sup>/sec gas flowrate
3. 12 of 13 heater groups are operable
4. Gas bubble assumed in RV head

PROCEDURE

1. Jog open RC-V137 slightly to begin vent. Observe pressure and pressurizer level.
2. Increase heaters to maintain pressure and pressurizer level constant.
3. Open vent valve RC-V137 until  $\approx$  2 extra groups of heaters are on.
4. Let vent open until SS conditions are reached. Then get the RCS leak rate by makeup tank level change.
5. Jog open spray valve RC-V1 to spray pressurizer at a small flowrate so as to balance pressurizer level and pressure with the heaters.
6. Continue operation in this mode until degas is complete or until RCS pressure reaches 1,000 psig.
7. Close RC-V137 and RC-V1 and reduce heaters to maintain pressure and pressurizer level constant.

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