AP 1001

Figure 1001-8

Three Mile Island Nuclear Station

Special Operating Procedure

SIDE 1

SOP No. ~~[illegible]~~ 7-16 (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 Switching From Normal to Emergency Feedwater

2. Purpose (Include purpose of SOP) To Enhance natural circulation

3. Attach procedure to this form written according to the following format.

   A. Limitations and Precautions
      1. Nuclear Safety N/A
      2. Environmental Safety N/A
      3. Personnel Safety N/A
      4. Equipment Protection N/A
   B. Prerequisites N/A
   C. Procedure see attached

~~Best~~ Rev 0 (see attached)

4. Generated by G Kitz Date 4/1/79

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 ☐
   (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 ______ Date

   Reviewed – List members of PORC contacted [illegible] Date

   NRC B W L C Rogers 4/1/79

   TROC/MU5G 4/1/79 RW Bensel 4/1/79 Date

   John A. [illegible] V Chair [illegible] Date

   Approved - Unit Superintendent [illegible] 4/1/79 Date

8. SOP is Cancelled

   ______ Shift Supervisor/Shift Foreman ______ Date

130 072

TMI-63 Rev. 8/77

C. Procedure

NOTE! Shut or Throttle Turbine bypass valves or ATMOSPHERIC DUMP VALVES TO MAINTAIN RC TEMP > 280°F.

C.1. Slowly INCREASE THE WATER LEVEL ON THE SECONDARY SIDE OF THE A OTSG TO 95% on operating RANGE USING FW-V 25A. MONITOR AND MAINTAIN RCS Pressure between 1000 AND 1100 PSIG.

C.2. INSURE EF-V 12B AND EF-V 33B ARE CLOSED

C.3 VERIFY THAT THE FOLLOWING VALVES ARE OPEN

.1 EF-V 4A

.2 EF-V 4B

.3 EF-V 5A

.4 EF-V 5B

.5 EF-V 12A

.6 CO-V 85

.7 CO-V 87

C.4. Secure NORMAL Feedwater by closing FW-V 25A AND FW-V 26A

C.5. VERIFY THAT FW-V 25B AND FW-V 26B are closed and Emergency Feed pump Recirc Lines are open (EF-V 7A, 7B, and 7C; or EF-V 8A, 8B, and 8C. 130 013

C.6 MONITOR AND MAINTAIN THE "B" OTSG LEVEL AT 95% BY THROTTLING EF-V11A

C.7 IF LEVEL CAN NOT BE MAINTAINED AT 95% OR GREATER CLOSE EF-V12A and 11A IN THE "A" OTSG, START EF-P 2A & EF-P2B AND RE-ESTABLISH FEED IN THE "A" OTSG BY OPENING EF-V12A AND THROTTLING EF-V11A.

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