

EOP: ATT-10.0	TITLE: ATTACHMENT FAULTED S/G	REV: 5 PAGE 1 of 2
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Responsible Manager Terry White Date 10-3-96

Dispatch AO with locked valve key to complete local isolation of faulted S/G as follows:

NOTE: Intermediate Building environment should be assessed for radiological or other personnel safety concerns.

1. Request identification of faulted S/G from Control Room.

NOTE: Steps may be done in any order.

2. Verify faulted S/G MSIV bypass valve closed (INT BLDG steam header area)

- S/G A, V-3615

-OR-

- S/G B, V-3614

3. Isolate steamlines for the faulted S/G:

- Steam sampling system (INT BLDG steam header area)

- S/G A, close V-3413A

-OR-

- S/G B, close V-3412A

- Support heating steam (INT BLDG steam header area)

- S/G A, close V-3669

-OR-

- S/G B, close V-3668

- Upstream traps (TURB BLDG east of MFW regulating valves)

- S/G A, close V-3521

-OR-

- S/G B, close V-3520

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CAUTION

CONTROL ROOM SHOULD BE NOTIFIED BEFORE ISOLATING TDAFW PUMP  
STEAM OR FEED FLOW.

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4. Locally CLOSE TDAFW pump steam root valves
  - S/G A, V-3505
  - OR-
  - S/G B, V-3504
5. Locally close TDAFW pump feed header isolation valve for affected S/G:
  - S/G A, V-4005 (steam header west end on catwalk by CNMT wall)
  - OR-
  - S/G B, V-4006 (Main steam header east end by stairs)
6. Locally close MFW regulating valve and bypass valve outlet isolation valves for the faulted S/G:
  - S/G A, V-3987 and V-3991
  - OR-
  - S/G B, V-3986 and V-3990

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Responsible Manager *Templewhite* Date 10-3-96

NOTE: Intermediate Building environment should be assessed for radiological and other personnel safety concerns.

PART A. Dispatch AO with locked valve key to complete local isolation of ruptured S/G as follows:

NOTE: Steps may be done in any order for PART A.

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CAUTION

CONTROL ROOM SHOULD BE NOTIFIED BEFORE ISOLATING TDAFW PUMP STEAM OR FEED FLOW.

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1) Verify BOTH S/G MSIV bypass valves closed (INT BLDG steam header area):

- S/G A, V-3615
- S/G B, V-3614

2) Locally close TDAFW pump steam root valves

- S/G A, V-3505
- OR-
- S/G B, V-3504

3) Locally close the following steam valves from the ruptured S/G:

- Steam to sampling system valve (INT BLDG steam header area):

S/G A, close V-3413A  
-OR-  
S/G B, close V-3412A

- Support heating steam valve (INT BLDG steam header area):

S/G A, close V-3669  
-OR-  
S/G B, close V-3668

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- Upstream trap isolation valve (TURB BLDG near MFW reg vlvs):

S/G A, close V-3521

-OR-

S/G B, close V-3520

- 4) Locally close TDAFW pump manual feedwater isolation valve to ruptured S/G (INT BLDG steam header area):

S/G A, V-4005

-OR-

S/G B, V-4006

- 5) Bypass condensate polishing demineralizers as follows:

1. Place AVT bypass valve controller in MANUAL (east end of AVT panel).
2. Open bypass valve.
3. Isolate ALL inservice demineralizers as follows:
  - a) Place the Mixed Bed Service Selector switch to override AND select the bed to be removed from service.
  - b) Place the 4 position selector switch for the selected bed to OFF.
  - c) Repeat steps a and b for each inservice bed.

- 6) Locally place TURB RM WALL EXH FAN switches to CLOSE.

- 7) Locally place TURB RM ROOF VENT switches to CLOSE.

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### CAUTION

**PART B OF THIS ATTACHMENT SHOULD ONLY BE PERFORMED IF RUPTURED S/G MSIV CANNOT BE CLOSED.**

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PART B. Dispatch AO to locally perform the following when ruptured S/G MSIV cannot be closed, if areas are accessible:

- 1) Close Air Ejector/Gland steam root valve, V-3540 (Main steam header TURB BLDG).
- 2) Close flange heating isolation valves, MOV-3601A and MOV-3602A.

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- 3) Notify Control Room that main flowpaths are isolated, THEN complete isolation by closing the following valves:

NOTE: Substeps may be done in any order.

- a) MFW regulating valve and bypass valve manual isolation valves for both S/Gs:
  - S/G A, V-3985 and V-3989
  - S/G B, V-3984 and V-3988
- b) Reheat steam chain valves:
  - 1A MSR, V-3551
  - 1B MSR, V-3550
  - 2A MSR, V-3553
  - 2B MSR, V-3552
- c) Steam dump header isolation and bypass valves (Main steam header TURB BLDG on platform overhead)
  - V-3532 and V-3659
  - V-3533 and V-3658
- d) Reheat steamline warmup valves (warmup vlvs located east end of 1A and 2A MSRs TURB BLDG middle floor):
  - V-3645
  - V-3646
  - V-3647
  - V-3648
- e) Reheat steamline common vent, V-8500 (at condenser north of 1A MSR).
- f) **Steam to trap header isolation valves**
  - V-8513 (Main steam header TURB BLDG)
  - V-8529 (south side EH skid)
  - V-8510 (south side EH skid)