

STEP

ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

EMERGENCY INSTRUCTION S01-1.2-1.14

TRANSFER TO HOT LEG RECIRCULATION

I. PURPOSE:

The purpose of this instruction is to provide hot leg recirculation after a LOCA and cold leg recirculation had previously been established. Hot leg recirculation is to terminate boiling in the core (if the LOCA was in a cold leg) and prevent boron precipitation in the core.

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NOTE: The following actions should be performed approximately 19 hours after a LOCA.

1

Reduce Total Cold Leg Injection
Flow 102 GPM:

a. Throttle FCV 1115 D, E AND F to 34 gpm in each loop.

a. IF two loops are available, THEN set flow to 51 gpm in each loop.

STEP

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2

Establish Hot Leg Injection Flow:

- a. Close charging line CV 304.
 - b. Open auxiliary spray CV 305.
 - c. Close pressurizer sprays PCV 430 C AND H.
 - d. Throttle FCV 1112 to establish 110 gpm as indicated by FI 1112 AND verify charging line CV 304 remains - CLOSED.
- d. Establish alternate flow (preset at 100 gpm) as follows:
 - 1) Open residual heat removal loop inlet valves MOV 813 AND MOV 814 AND deenergize their power supplies (42-1271 AND 42-1271).
 - 2) Verify refueling water pump is running.
 - 3) Open downstream manual cross tie valve between the spray line and the letdown line.

STEP

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3

Subsequent Action:

- a. Return To S01-1.2-1.1,
Loss Of Reactor Coolant,
Step 20.

-END-

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