

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REACTOR TRIP

1.0 Symptoms

- 1.1 Channel trip alarm on two or more reactor protective channels.
- 1.2 Groups 1-7, control rod "in limit" light on.
- 1.3 NI's indicating a rapid decrease in neutron power.
- 1.4 ICS runback in progress.

2.0 Immediate Action

2.1 Automatic

- 2.1.1 Control rod groups 1-7 drop into the core.
- 2.1.2 Turbine generator trips.
- 2.1.3 Unit auxiliary load transfers to startup transformer.
- 2.1.4 Turbine bypass valves open at setpoint +125 PSI.
- 2.1.5 Feedwater runback to minimum level in OTSG's.

2.2 Manual

- 2.2.1 Verify automatic actions occur, if not, perform manually.
- 2.2.2 Verify neutron level decreasing.
- 2.2.3 Close (2)(3) HP-5 (Letdown Isolation).
- 2.2.4 Maintain LDST level by adding water with boron concentration \geq RCS boron concentration.
- 2.2.5 If pressurizer level cannot be maintained due to severe shrinkage open (2X3) HP-26.

NOTE: (2)(3) "C" HPI Pump can be used to maintain pressurizer level if needed.

3.0 Subsequent Action

- 3.1 Notify unit supervisor and area dispatcher .
- 3.2 Verify OTSG's controlling at minimum level .
- 3.3 Determine cause of trip and correct .
- 3.4 If LDST level approaches zero, open (2)(3) HP-24 to supply
HPI pump suction from BWST .
- 3.5 Go to one hotwell pump, one condensate booster pump, and one
feedwater pump, as required .
- 3.6 Open (2)(3) HP-5 when pressurizer level returns to normal .

... from 5-9-75 Rx Trip
shows Response of Feedwater*
and OTSG pressure* following
RPS Imbalance Trip

* suspected causes of pressurizer
level indication loss.

note: lose one FW pump on turbine
trip automatically, get FW flow surge
on other one.

Block valve close slowly (?)

cross over valve opens

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This is not a new procedure but it does not include any changes. 2/13

DUKE POWER COMPANY
PROCEDURE PREPARATION
PROCESS RECORD

(1) ID No: EP/CP/LB0013

(2) STATION: OCONEE NUCLEAR STATION

(3) PROCEDURE TITLE: Reactor Trip

(4) PREPARED BY: R. Scott DATE: 4-13-77

(5) REVIEWED BY: BVEamboldt DATE: 5/26/77

Cross-Disciplinary Review By: _____ N/R: BTR

(6) TEMPORARY APPROVAL (IF NECESSARY):

By: _____ (SRO) Date: _____

By: _____ Date: _____

(7) APPROVED BY: J. A. Perez DATE: 6-22-77

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