

3924020840

OT-100, Rev. 9
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CAH/smk

PHILADELPHIA ELECTRIC COMPANY
LIMERICK GENERATING STATION

L. A. Hopkins
4/1/92

OT-100 REACTOR LOW LEVEL

1.0 ENTRY CONDITIONS

1.1 Unexpected/unexplained drop in RPV water level.

2.0 IMMEDIATE OPERATOR ACTIONS

2.1 Reduce Reactor power per Reactor Maneuvering Shutdown Instructions until normal level is restored.

2.2 IF RFP controller malfunction exists,
THEN take manual control of RFPs.

2.3 IF scram condition occurs,
THEN enter T-101
AND exit this procedure.

3.0 FOLLOW-UP ACTIONS

3.1 IF level drop was caused by RFP
OR Condensate Pump trip,
THEN determine cause of trip
AND restart pump.

3.2 IF level drop was caused by RFP controller malfunction,
THEN return RFP to its normal control mode after
malfunction is cleared.

3.3 IF level drop was caused by failure of feed flow steam flow
signal,
AND level is stabilized at 35 in.,
THEN consider swapping to single element control
AND restoring FW control to automatic until repairs can be
made.

3.4 IF level drop is not evident on redundant instruments,
THEN consider possible instrument sensing line failure
AND verify actual level utilizing instruments with
Independent sensing lines.

- 3.5 IF the selected FW level transmitter has failed,
THEN transfer to the alternate level transmitter.
- 3.6 IF recirc. runback occurred,
THEN reset runback per S43.0.B.
- 3.7 IF third Condensate Pump is not available,
THEN maintain RFP suction pressure above 300 p.s.i.g by
limiting Reactor power.

4.0 VERIFICATION OF AUTOMATIC ACTIONS

<u>Actions</u>	<u>Conditions</u>
4.1 Recirc. reduced to speed corresponding to 62% rated core flow	One RFP with less than 20% flow <u>AND</u> low Reactor level (27.5") <u>OR</u> One Condensate Pump tripped with total Feedwater flow greater than 85% Total Feedwater flow less than 20% <u>OR</u> low Reactor level (12.5") <u>OR</u> Pump discharge valve less than 90% open
4.2 Recirc. runback to 28% of indicated speed	
4.3 REACTOR HI-LO LEVEL alarm	30"
4.4 Scram Group II Isolation	12.5"

DATE 04/03/92 09:52

NRMS RECEIPT ACKNOWLEDGEMENT

SEQUENCE # 3924020840

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