Approva Date

Vogtle Electric Generating Plant

NUCLEAR OPERATIONS

Unit COMMON

Georgia Power

Revision No.

Procedure No.

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18020-C

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MIDLOOP STEPS

ABNORMAL OPERATING PROCEDURE

LOSS OF COMPONENT COOLING WATER

INFORMATIO

PURPOSE

This procedure addresses the loss of one CCW Train with both RHR and SFPC Systems in operation.

SYMPTOMS

- CCW TRAIN A(B) LO HDR PRESS Annunciator.
- CCW TRAIN A(B) LO FLOW Annunciator.
- CCW TRAIN A(B) SURGE TANK LO-LO LVL Annunciator.
- CCW TRAIN A(B) RHR PMP SEAL LO FLOW Annunciator.
- NSCW TRAIN A(B) LO HDR PRESS Annunciator.
- NSCW CCW ACCW TRAIN A(B) TEMP ALARM Annunciator.
- CCW TRAIN A(B) RHR HX HI FLOW Annunciator.
- CCW TRAIN A(B) RHR HX LO FLOW Annunciator.

ACTION/EXPECTED RESPONSE

 Verify the CCW train A(B) surge tank low level Annunciator is - Reset Or Level Is Rising. RESPONSE NOT OBTAINED

 Verify Demineralized Water Makeup Valve LV-1850(1851) is open.

-OR-

Manually open surge tank makeup from RMWST LV-1848 (1849).

 Verify the affected CCW train has - No Unexpected Leakage. Isolate the leak by:

- Stop the pumps in the affected train and place the control switches in PULL-TO-LOCK.
- Isolate makeup water to the surge tank.
- Close system isolation valves as necessary.

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ACTION/EXPECTED RESPONSE

RESPONSE NOT OBTAINED

- Verify the affected CCW Heat Exchanger cooling capacity - Not Impaired By:
 - tube and shell sides of trapped air or gases per 13715, COMPONENT COOLING WATER SYSTEM.
- a. Continue venting until all trapped air or gases are removed.

NOTE

Heat exchanger plugging or fouling may be indicated by a higher than normal pressure drop, a lower than normal flowrate or a lower than normal temperature rise in the cooling water.

- b. Check the tube side pressure drop - Less Than Or Equal To 6 Psid.
- c. Check NSCW flow through the CCW Heat Exchanger on local flow indicator FIT-1720A (1721A) - Equal To Or Greater Than 9000 Gpm.
- d. Check the NSCW temperature rise across the CCW Heat Exchanger on local temperature indicators approximately 4°F.
 - TI-1712(1713)
 - TI-1716(1717)

- Initiate 18021-C, LOSS OF NUCLEAR SERVICE COOLING WATER SYSTEM.
- c. Initiate 18021-C, LOSS OF NUCLEAR SERVICE COOLING WATER SYSTEM.
- d. Initiate 18021-C, LOSS OF NUCLEAR SERVICE COOLING WATER SYSTEM.

10. Verify Fuel Handling Bldg.
Normal HVAC Units
1541-A7-001(002) and
1541-N7-001(002) - In
Operation.

10. Start Fuel Pool Area
Recirculating Air Handling
Unit 1541-A7-003(004) by
initiating 13320, FUEL
HANDLING BUILDING HVAC
SYSTEM.

11. Return to the UOP In effect.

END OF PROCEDURE TEXT