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Power Reactor	Event Number: 46418
Facility: WATTS BAR	Notification Date: 11/14/2010
Region: 2 State: TN	Notification Time: 09:05 [ET]
Unit: [1] [] []	Event Date: 11/14/2010
RX Type: [1] W-4-LP,[2] W-4-LP	Event Time: 06:52 [EST]
NRC Notified By: SHAWN HAFEN	Last Update Date: 11/14/2010
HQ OPS Officer: HOWIE CROUCH	
Emergency Class: NON EMERGENCY	Person (Organization):
10 CFR Section:	ALAN BLAMEY (R2DO)
50.72(b)(2)(iv)(B) - RPS ACTUATION - CRITICAL	
50.72(b)(3)(iv)(A) - VALID SPECIF SYS ACTUATION	

Unit	SCRAM	Code	RX	CRIT	Initial PWR	Initial RX Mode	Current PWR	Current RX Mode
1		M/R		Y	100	Power Operation	0	Hot Standby

Event Text

MANUAL REACTOR TRIP DUE TO LOSS OF COOLING TO THE 'A' PHASE MAIN BANK TRANSFORMER

"At 0617 [hrs. EST], Watts Bar experienced a failure of the cooling system to the 'A' phase Main Bank Transformer. Due to rising oil temperatures on the 'A' phase Main Bank Transformer, the reactor was manually tripped at 0652 hrs. All systems responded as designed with no issues."

All rods inserted during the trip. There were no primary or secondary relief valves that lifted during the transient. The grid is stable and the plant is in a normal shutdown electrical line-up. The reactor is at normal pressure and temperature with decay heat being removed via the steam dumps to condenser with auxiliary feedwater providing steam generator make-up. The cause of the loss of cooling to the 'A' phase Main Bank Transformer was the failure of a control power transformer that supplies the Main Bank Transformer cooling system components.

The licensee has notified the NRC Resident Inspector.