

1. Non-Routine Report No. 50-313/79-1
2. Report Date: 3/16/79
3. Occurrence Date: 2/16/79
4. Facility: Arkansas Nuclear One - Unit One
Russellville, Arkansas 72801
5. Identification of Occurrence:

The failure to maintain the maximum differential temperature across the condenser below 15°F as required by Appendix B of the Technical Specifications. This Non-Routine Occurrence is reportable per Appendix B, T.S. 5.6.2(b).

6. Conditions Prior to Occurrence:

Steady-State Power	<u>X</u>	Reactor Power	<u>2560</u> MWth
Hot Standby	<u> </u>	Net Output	<u>810</u> MWe
Cold Shutdown	<u> </u>	Percent of Full Power	<u>100%</u>
Refueling Shutdown	<u> </u>	Load Changes During Routine Power Operation	<u> </u>
Routine Startup Operation	<u> </u>		
Routine Shutdown Operation	<u> </u>		
Other (specify)			

7. Description of Occurrence:

The unit was in steady state operation with four circulating water pumps in operation. On 2/16/79, the temperature differential across the condenser exceeded the 15°F limit required by Appendix B, T.S. 2.1.1(a), for approximately 2-1/2 hours with a maximum rise of 15.26°F. Following the occurrence, during a review of the computer logs containing the condenser ΔT values, it was discovered that the Technical Specification limit was also exceeded for approximately 49 hours on 2/9/79 through 2/11/79, with a maximum temperature rise of 15.45°F.

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