

ATTACHMENT "B"

NON-ROUTINE REGULATORY REPORT REVIEW SHEET

Plant: A. NO Unit: 2

Report Title: Significant Deficiency - Potter Runfield Relays

Report Number: _____

Reviewed and Approved by: Plant Safety Committee YES () NO (X)
Plant Superintendent YES () NO (X)
Reference: PQA 320 Date: 8/1/75

Reviewed by: Donald A. Raster Date: 8/4/75
Licensing Supervisor

Approved by: Douglas R. Likes for W. Carranagh Date: 8/4/75
Manager of Nuclear Services

Approved by: James W. Anderson Date: 8-4-75
Director of Power Production

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1. Non-Routine, Non-Radiological Environmental Report No. 50-313/75-42
2. Report Date: August 1, 1975 3. Occurrence Date: July 30, 1975
4. Facility: Arkansas Nuclear One-Unit 1
Russellville, Arkansas
5. Identification of Occurrence:

Chemical concentration of sodium nitrite in condenser circulating water increased across plant in excess of Environmental Technical Specification limits.

6. Conditions Prior to Occurrence:

Steady-State Power	<u> X </u>	Reactor Power	<u> 2388 </u> MWth
Hot Standby	<u> </u>	Net Output	<u> 786 </u> MWe
Cold Shutdown	<u> </u>	Percent of Full Power	<u> 93 </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:

Samples were taken from the intake and discharge canals on July 28, 1975, and lab analysis indicates that sodium nitrite concentration in the plant discharge canal was 0.069 mg/l greater than sodium nitrite concentration in the intake canal. ETS limit is 0.005 mg/l.

8. Designation of Apparent Cause of Occurrence:

Design	_____	Procedure	_____
Manufacture	_____	Unusual Service Condition Including Environmental	_____
Installation/ Construction	_____	Component Failure	_____
Operator	_____		
Other (specify)	<u> X </u>		

Neutralizing tank was being drained into the discharge flume at the time of this occurrence.

9. Analysis of Occurrence:

Samples were taken when the neutralizing tank was being drained into the discharge flume. Four circulating water pumps were in operation providing approximately 750,000 gallons per minute dilution flow. The neutralizing tank contains water impurities remaining after regenerating condensate demineralizers.

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10. Corrective Action:

A revision to the Environmental Technical Specification concerning chemical discharges has been submitted to the NRC for approval.

11. Failure Data:

This occurrence is similar to those reported in Non-Routine, Non-Radiological Environmental Reports No. 50-313/75-25 through 50-313/75-41.