

ATTACHMENT "B"

NON-ROUTINE REGULATORY REPORT REVIEW SHEET

Plant: Arkansas Nuclear One Unit: One

Report Title: Non Routine, Non Radiological Environmental Report

Report Number: SO-313/75-41

Reviewed and Approved by: Plant Safety Committee YES (X) NO ()
Plant Superintendent YES (X) NO ()
Reference: JWA-1330 Date: 7-24-75

Reviewed by: Donald A. Ruster Date: 7/28/75
Licensing Supervisor

Approved by: Douglas R. Liles for W. Conroy III Date: 7/28/75
Manager of Nuclear Services

Approved by: [Signature] Date: 7-29-75
Director of Power Production

1. Non-Routine, Non-Radiological Environmental Report No. 50-313/75-41
2. Report Date: July 29, 1975 3. Occurrence Date: July 23, 1975
4. Facility: Arkansas Nuclear One-Unit 1
Russellville, Arkansas
5. Identification of Occurrence:

Chemical concentrations of three parameters increased across the plant in excess of Environmental Technical Specification limits.

6. Conditions Prior to Occurrence:

Steady-State Power	<u> X </u>	Reactor Power	<u> </u> MWth
Hot Standby	<u> </u>	Net Output	<u> </u> MWc
Cold Shutdown	<u> </u>	Percent of Full Power	<u> 95 </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:

pH and ammonia concentration in condenser circulating water increased across the plant as follows:

<u>Parameter</u>	<u>Units</u>	<u>Increase</u>	<u>ETS Limit</u>
pH, intake vs. discharge	pH	0.6	0.5
NH ₃ , intake vs. discharge	mg/l	0.08	0.05
NH ₃ , intake vs. discharge	mg/l	0.08	0.05

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 draining into discharge flume at time of sampling.

9. Analysis of Occurrence:

The neutralizing tank, which contains impurities remaining after regenerating condensate demineralizers and plant make-up water demineralizers, was being drained into the discharge flume when samples were taken. No other liquid releases were in progress at the time of sampling. Four circulating water pumps were in operation.

10. Corrective Action:

Revised ETS have been submitted to NRC and are currently under review.

11. Failure Data:

The circumstances of this report are similar to those reported in Non-Routine, Non-Radiological Environmental Reports No. 50-313/75-25 through 50-313/75-40.