1.	Non-Routine, Non Radiological Environmental Report No. 50-313/75-16						
2.		3. Occurrence Date:					
4.	Facility: Arkansas Nu Russellvill	clear One-Unit 1 e, Arkansas					
5.	Identification of Occurrence:						
	Fish kill on intake screens exce sample period.	eeding 3000 pounds based	on 24-hour				
6.	Conditions Prior to Occurrence:						
	Steady-State Power X	Reactor Power	543 MWth				
	Hot Standby	Net Output	839 MWe				
	Cold Shutdown	Percent of Full Po	wer 99 %				
	Refueling Shutdowr						
	Routine Startup Operation						
	Routine Shutdown Operation						
	Load Changes During Routine Power Operation						
	Other (Specify)						

7. Description of Occurrence:

During routine fish impingement monitoring 2/17/75, using procedure 1607.10, Monitoring Fish Impinged on ANO-1 Intake Screens, 3350 pounds of fish were collected during a 24-hour sample period beginning 8:00 a.m. 2/16/75 and ending 8:00 a.m. 2/17/75. A mixture of gizzard and threadfin shad comprised 99.9% of the total weight. Other fish made up 0.1% of the total weight. Threadfin shad comprised 98% of the total number of shad.

Intake water temperature at 8:00 a.m. 2/17/75 was  $44^{\circ}F$ . The ambient air temperature was  $32^{\circ}F$ .

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8. Designation of Apparent Cause of Occurrence:

Design	Procedure	
Manufacture	Unusual Service	
Installation/	Condition Including Environmental	
Operator	Component Failure	

Other (Specify) X

The apparent cause was due to a natural die off of threadfin shad during the winter season.

## 9. Analysis of Occurrence:

The only noticeable environmental impact was the removal of the above mentioned fish from the lake. The fish that were collected were disposed of through land fill operation.

## 10. Corrective Action:

Long term studies are in progress to determine the effects of plant operation on the aquatic ecosystems of the Dardanelle Reservoir. Data from this report and other data obtained is fed back into these studies to determine what changes might be made to the studies in order to ensure that adequate data is obtained for evaluating plant impact. Review by Arkansas Power & Light Company and its consultants of the results of these studies will determine what corrective action might be taken to reduce plant effocts on the Reservoir.



July 5, 1974

COMPENSION OF

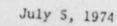
Non-Routine, Non-Radiological Environmental Report No. 50-313/75-16

## 11. Failure Data:

The circumstances of this report are similar to those reported in Non-Routine, Non-Radiological Environmental Reports No. 50-313/75-1 through 50-313/75-15.

## 12. Reviews and Approvals:

Reviewed and Approved by:	Plant Safety Commit	tee	Yes (X)	No ( )
	Plant Superintendent		Yes (X)	
	Reference:JWA-878		Date: 2	
Reviewed by: <u>Ponald</u> Licensin	A Ruter ag Supervisor	Date:		
Approved by: James K. Safety Key	Serdund using	Date:	2/2/1	75
Approved by: Ch Chr Manager of Nu	uclear Services		2/21/	17+-
Approved by: <u>James H U</u> Director of P	Voodward Weny.	Date:_	2/24/	75
Approved by:	President		2/24/	175



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