- 1. Reportable Occurrence Report No. 50-313/76-27
- 2. Report Date: 9/28/76 5. Occurrence Date: 9/14/76
- 4. Facility: Arkansas Nuclear One Unit 1
  Russellville, Arkansas
- 5. Identification of Occurrence:

Exceeding power level cutoff (82.5%) without proper Xenon reactivity conditions per Technical Specification 3.5.2.5.4.

6. Conditions Prior to Occurrence:

Steady-State Power X	Reactor Power 20	NWt1
That Standby	Net Output 6	50 MWe
Cold Shutdown	Percent of Full Po	wer 80 %
Refueling Shutdown	Load Changes Durin	ng Routine
Routine Startup Operation		
Routine Shutdown Operation		
Other (specify)		

# POOR ORIGINAL

## 7. Description of Occurrence:

At 0637 hours on 9/14/76, the power level cutoff per Tech. Spec. Fig. 3.5.2.1B was exceeded for three (3) minutes and Xenon reactivity was not within 10% of the equilibrum valve. The power increase above the power level cutoff occurred when the reactor demand station of the ICS was placed in automatic following NI calibration.

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# 8. Designation of Apparent Cause of Occurrence:

Design		Procedure	
Manufacture		Unusual Service Condition	
Installation/ Construction		Including Environmental	
Sonserneeron	Component Failure		
Operator	X		
Other (mariful			

Due to system oscillation in feedwater control, reactor power level increased when switched from reactor demand in manual to the integrated mode of operation.

### 9. Analysis of Occurrence:

Due to the quick response of the operator in returning the power to below the power level cutoff, there was no hazard to the health and safety of the public.

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#### 10. Corrective Action:

Power was reduced to < 82.5% power in approximately three (3) minutes. In the future when at or near a cutoff limit, the power level will be decreased before switching modes of operation.

#### 11. Failure Data:

Exceeding power level cutoff was also reported in Reportable Occurrence Report 50-313/76-17, but this was due to misinterpreting computer calculation of Xenon worth.

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# JCENSEE EVENT REPORT

CONTROL BLOCK	- 6	(PLEASE PRINT ALL REQUIRED INFORMATION)
01 A R A R K I 00 -	- 0 0 0 0 0 - 0 0 25	4 / / / / / / O / 1 26 30 31 32
7 8 57 58 59 60 61	5 0 - 0 3 1 3 68 69	9 1 4 7 6 0 9 2 2 7 6 00 74 75 80 80
GD I	WER (80% FP), POWER LEY	NORTH, EXCESPING POWER LEVEL
OS POWER LEVEL CUTOFF.	(50-312/76-27)	R RETURNED PAWER BELOW 60
7 8 9  SYSTEM CAUSE COMPONENT COMPON	COMPONENT COMPONE SUPPLER MANUFACT  17 43 44	
OB DUE TO SYSTEM OSCILLA	TION IN FW CONTROL,	RX PAWER LEVEL INCREASED 80
7 8 9 FACALTY		82.5% IN APP. THREE MINUTES
	HER STATUS DOCOVERY  NA 44 45 46	DISCOVERY DESCRIPTION
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF THE PERSONNEL EXPOSURES	F ACTIVITY A 44 45	LOCATION OF RELEASE  NA BO
13 000 TYPE DESCRIPTION 2 13	NA	80
PERSONNEL INJURIES  NUMBER DESCRIPTION  7 8 9 11 12	NA	
7 8 9	ч А	PUUK UKUGINAL
LOSS OR DAMAGE TO FACILITY  TYPE DESCRIPTION  7 8 9 10 NA		-
PUBLICITY		80
NA NA		
ADDITIONAL FACTORS	'A	80
ADDITIONAL FACTORS  NA  NA  NA  NA  NA  NA  NA  NA  NA  N		