

L I C E N S E E E V E N T R E P O R T (L E R)

FACILITY NAME (1) Arkansas Nuclear One, Unit 2 DOCKET NUMBER (2) PAGE (3)
101501010131618110F121

TITLE (4) CPC Channel D Bypassed Prior To Completing Addressable Constant Update on Channel C

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
Month	Day	Year	Sequential Number	Revision Number	Month	Day	Year	Facility Names		Docket Number(s)	
01	21	84	0006	00	01	31	84			1015010101	

OPERATING MODE (9) 1 THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

POWER LEVEL (10)	20.402(b)	20.405(a)(1)(i)	20.405(a)(1)(ii)	20.405(a)(1)(iii)	20.405(a)(1)(iv)	20.405(a)(1)(v)	20.405(c)	50.36(c)(1)	50.36(c)(2)	50.73(a)(2)(i)	50.73(a)(2)(ii)	50.73(a)(2)(iii)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vii)	50.73(a)(2)(viii)(A)	50.73(a)(2)(viii)(B)	50.73(a)(2)(x)	73.71(b)	73.71(c)	Other (Specify in Abstract below and in Text, NRC Form 366A)
(10) 101810																					

Name _____ LICENSEE CONTACT FOR THIS LER (12) _____ Telephone Number _____
Area _____ Code _____
Patrick Rogers, Special Projects Coordinator 1510119161413111171

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
Cause	System	Component	Manufacturer	Reportable to NPRDS	Cause	System	Component	Manufacturer	Reportable to NPRDS

SUPPLEMENT REPORT EXPECTED (14) _____ EXPECTED SUBMISSION DATE (15) _____
Yes (If yes, complete Expected Submission Date) No

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)
On 2/21/84, while I&C personnel were performing the monthly channel functional test on CPC Channel C, it became necessary to reload the system software. After software reload of Channel C, testing continued while the Addressable Constants were being updated by Operations personnel. Upon completion of testing on Channel C, I&C personnel bypassed Channel D in preparation for monthly testing on that channel. Operations personnel recognized that the Addressable Constant Update for Channel C was still in progress and notified I&C personnel. Channel D was removed from bypass until the Addressable Constant Update of Channel C was completed. Channel D was bypassed for approximately 2 minutes while Channel C Addressable Constants were being updated. Procedure changes were made to require verification of channel operability prior to removing the channel from bypass after testing.

8403290127 840320
PDR ADOCK 05000368
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
			Sequential	Revision	
Arkansas Nuclear One, Unit 2	1015101013	6	8	4	12
TEXT (If more space is required, use additional NRC Form 366A's) (17)			0	0	0

On 2/21/84, while in Mode 1 at 80% full power (FP), Instrumentation and Controls (I&C) technicians were performing the monthly channel functional test on Core Protection Calculator (CPC) Channel C when it became necessary to reload the software for Channel C. After software reload, testing continued while Operations personnel began manually updating the channels's Addressable Constants. The I&C personnel notified Operations personnel that the surveillance testing for Channel C had been completed and that the monthly testing would begin on Channel D. I&C personnel bypassed Channel D in preparation for monthly surveillance testing. Operations personnel recognized that the Addressable Constant update for Channel C was still in progress. Channel D was removed from bypass, and Channel C was returned to bypass until the Addressable Constant Update was completed. Channel D was bypassed and Channel C was out of bypass for approximately 2 minutes while Channel C Addressable Constants were being updated.

Since the update of the Addressable Constants had not been completed prior to removing Channel C from bypass, the channel was technically inoperable. The channel remained functional, but may have been nonconservative due to the values of Addressable Constants introduced by software reload. The configuration of the CPC channels that resulted when Channel D was bypassed is not specified in Technical Specifications (TS). The provisions of T.S. 3.0.3 were met since this configuration existed for only approximately 2 minutes.

Normally the monthly surveillances on CPC's are performed on a staggered basis such that one channel is tested per week. The excore detector saturation problem reported in LER 368/84-005 had not allowed Channel C to be tested during its scheduled time interval. Therefore, in order to meet the surveillance time requirements, Channel C and Channel D were being tested on the same day.

The CPC surveillance procedures have been changed to require verification of channel operability prior to removing the channel from bypass after testing. Additional controls on keys for bypassing PPS/CPC channels have been installed.

Administrative controls for changing/entering CPC Addressable Constants and on bypassing PPS channels are being upgraded to prevent similar problems in the future. In addition, training for the appropriate I&C and Operations personnel is being prepared to insure awareness of the importance of CPC Addressable Constants and the new administrative controls.



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

March 20, 1984

2CAN038409

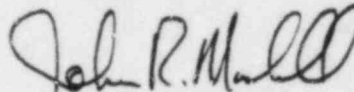
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report
No. 84-006-00

Gentlemen:

In accordance with 10CFR50.73(a)(2)(i), attached is the subject report concerning the Core Protection Calculator.

Very truly yours,


John R. Marshall
Manager, Licensing

JRM:RJS:s1

Attachment

cc: Mr. John F. Streeter, Chief
Reactor Project Branch #2
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

IF22
11