

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) R.E. Ginna Nuclear Power Plant, Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 4 4				PAGE (3) 1 OF 0 2		
TITLE (4) Loss Of Control Rod Position Indication System																
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)						
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES			DOCKET NUMBER(S)				
0 9	2 8	8 4	8 4	0 1 1	0 1	0 6	0 7	8 5				0 5 0 0 0				
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																
OPERATING MODE (9)		20.402(b)				20.405(e)				80.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.405(a)(1)(i)				80.36(a)(1)				80.73(a)(2)(v)				73.71(a)		
1 0 0		20.405(a)(1)(ii)				80.36(a)(2)				80.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 305A)		
		20.405(a)(1)(iii)				X 80.73(a)(2)(i)				80.73(a)(2)(vii)(A)						
		20.405(a)(1)(iv)				80.73(a)(2)(ii)				80.73(a)(2)(vii)(B)						
		20.405(a)(1)(v)				80.73(a)(2)(iii)				80.73(a)(2)(x)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME E.C. Edgar, I&C Supervisor										TELEPHONE NUMBER 3 1 5 5 2 4 4 4 4 6						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs						
X	I U	- C O N P	2 9 7	N												
SUPPLEMENTAL REPORT EXPECTED (14)																
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On September 28, 1984 and October 11, 1984, with the plant operating at 100% power, the control Rod Position Indication System was made inoperable for the corrective maintenance of the + 13 VDC power circuit. Each time the system was inoperable for less than one hour.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 9/31/85

FACILITY NAME (1) R.E. Ginna Nuclear Power Plant, Unit No. 1	DOCKET NUMBER (2)  0 5 0 0 0 2 4 4 8 4	LER NUMBER (8)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	0 1 1	0 1	0 2	0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On September 28, 1984 the Control Rod Position Indication System (RPI's) was made inoperable for 58 minutes, 10 minutes with loss of indication and 48 minutes for RPI alignment, to perform corrective maintenance of an unstable + 13 VDC power source. The DC voltage is used by the operational amplifiers that condition rod position signals for the RPI's. As the DC voltage level changed so would the RPI indications. The indication change was within Technical Specification limits. The + 13 VDC power supply, a plug-in device, was replaced with a substitute supply whose specifications exceeded those of the original supply. A substitute was used because a direct replacement was not available. The substitute was wired directly to the terminal deck, where the DC voltage is daisy chained, bypassing the plug-in socket. All RPI's and voltage levels were stable after energization.

The original supply was tested at full load and continuously monitored for three days with no change in output even when ambient temperature was elevated intentionally. Based on the satisfactory bench test results it has been concluded that the original supply was not the problem, and the most likely cause for the unstable DC voltage is a faulty power supply socket or associated wiring from the socket to the terminal deck.

On October 11, 1984 the RPI's were made inoperable again for 18 minutes in an attempt to identify and correct the problem. Nothing was immediately evident so the system was returned to operable status. ie: with the temporary power supply still in service.

On March 5, 1985 while the plant was in its refueling outage, the RPI + 13 volt power supply circuit was thoroughly inspected for the cause of the unstable + 13 VDC power source. This inspection revealed the plus connection on the + 13 VDC power supply socket to be loose causing the unstable power condition. The wiring and connectors from the power supply sockets of both the + and - 13 VDC supplies to their respective distribution terminal decks were replaced as a precautionary measure, and the original power supplies returned to service. On April 5, 1985 the RPI system was calibrated and has operated satisfactorily for two months.



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U.S. Nuclear Regulatory Commission  
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Washington, D.C. 20555

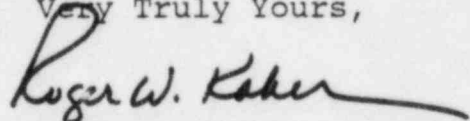
Subject: LER 84-011-01, Inoperable Rod Position Indicating  
System

R.E. Ginna Nuclear Power Plant  
(Docket No. 50-244)

Gentlemen:

Enclosed is revision one of the above LER which was originally  
transmitted to you on October 28, 1984.

Very Truly Yours,

  
Roger W. Kober

xc: USNRC Region 1

IE22  
1/1