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U.B. NUCLEAR REGULATORY COMMISSION

APPROVED OM8 NO. 3150-0104 EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)
R.E. Ginna Nuclear Power Plant, Unit No. 1		VEAR SECUENTIAL NEVISION NUMBER NUMBER	
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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 The + 13 VDC power within Technical Specification limits. 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.

NRC Form 386A



ROCHESTER GAS AND ELECTRIC CORPORATION . 89 EAST AVENUE, ROCHESTER, N.Y. 14649-0001

ROGER W. KOBER VICE FAL SIDENT ELECTRIC & STEAM PRODUCTION

TELEPHONE AREA CODE 716 546-2700 NEN TORE STATE

June 6, 1985

U.S. Nuclear Regulatory Commission Document Control Desk 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.

ver W. Kaken

Roger W. Kober

xc: USNRC Region 1