NAC Form 366 (0-43) LICENSEE EVENT REPORT (LER)												U.S. NUCLEAR REGULATURY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES 8/31/86													
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The gas monitor channels of radiation monitor OPR34J (Main Control Room Outside Air Intake "B") went into interlock due to "loss of vacuum" alarm. This caused the B train of the Main Control Room HVAC (VC) system to shift to its ESF configuration. The alarms reset automatically shortly after they occurred.

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1943) LICENSEE E		GULATORY COMMISSION OME NO. 3150-0104								
PACILITY NAME (1)	DOCKET NUMBER (2)		L	-	UMBER IS			PAGE (3)		
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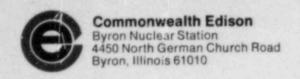
On December 26, 1984 at 2315 with the plant operating in mode 5, the gas monitor channels of radiation monitor OPR34J (Main Control Room Outside Air Intake "B") went into interlock due to a "loss of vacuum" alarm. Train B of the Main Control Room HVAC (VC) System automatically switched into make-up mode when OPR34J went into its interlock state.

The cause of the "loss of vacuum" alarm is unknown. Investigation into possible causes led to two possibilities: the first is that a pressure change in the vent duct produced a pressure transient at the monitor; the second is that the transducer generated an erratic signal causing the "loss of vacuum" alarm. The alarms reset automatically shortly after they occurred.

Plant and public safety were not affected since switching the VC system to its make-up mode is an ESF function which establishes a safer plant condition.

There have been no previous occurrences of this nature, but there have been several occurrences of electrical noise spikes causing the ventilation system to shift to its ESF configuration.

Since this is considered an isolated event, no further action is required at this time.



January 24, 1985

LTR:

BYRON 85-0115

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

Dear Sir:

The enclosed Licensee Event Report from Byron Generating Station is being transmitted to you in accordance with the requirements of 10CFR50.73(a)(2)(iv) which requires a 30 day written report.

This report is number 84-037-00, Docket No. 50-454.

Very truly yours,

R. E. Querio

Station Superintendent

Byron Nuclear Power Station

& Querio

REQ/vda

Enclosure: Licensee Event Report No. 84-037-00

cc:

J. G. Keppler, NRC Region III Administrator

J. Hinds, NRC Resident Inspector

INPO Record Center CECO Distribution List