

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
BYRON, UNIT 1DOCKET NUMBER (2)
0 5 0 0 0 4 5 4
PAGE 1 OF 2

TITLE (4)

OB VC M/U FAN AUTO START/CHARCOAL ABSORBER UNISOLATED

EVENT DATE (6)			LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)																				
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)																		
1	2	2	6	8	4	8	4	—	0	3	7	—	0	0	0	1	2	4	8	5			0	5	0	0	0		

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																																							
POWER LEVEL (10)	0 1 0 1 0	<table border="1"><tr><td>20.402(b)</td><td>20.405(a)</td><td>X</td><td>90.73(a)(2)(iv)</td><td>73.71(b)</td></tr><tr><td>20.405(a)(1)(i)</td><td>90.38(a)(1)</td><td></td><td>90.73(a)(2)(v)</td><td>73.71(a)</td></tr><tr><td>20.405(a)(1)(ii)</td><td>90.38(a)(2)</td><td></td><td>90.73(a)(2)(vi)</td><td></td></tr><tr><td>20.405(a)(1)(iii)</td><td>90.73(a)(2)(i)</td><td></td><td>90.73(a)(2)(vii)(A)</td><td></td></tr><tr><td>20.405(a)(1)(iv)</td><td>90.73(a)(2)(ii)</td><td></td><td>90.73(a)(2)(vii)(B)</td><td></td></tr><tr><td>20.405(a)(1)(v)</td><td>90.73(a)(2)(iii)</td><td></td><td>90.73(a)(2)(viii)</td><td></td></tr></table>										20.402(b)	20.405(a)	X	90.73(a)(2)(iv)	73.71(b)	20.405(a)(1)(i)	90.38(a)(1)		90.73(a)(2)(v)	73.71(a)	20.405(a)(1)(ii)	90.38(a)(2)		90.73(a)(2)(vi)		20.405(a)(1)(iii)	90.73(a)(2)(i)		90.73(a)(2)(vii)(A)		20.405(a)(1)(iv)	90.73(a)(2)(ii)		90.73(a)(2)(vii)(B)		20.405(a)(1)(v)	90.73(a)(2)(iii)		90.73(a)(2)(viii)	
20.402(b)	20.405(a)	X	90.73(a)(2)(iv)	73.71(b)																																					
20.405(a)(1)(i)	90.38(a)(1)		90.73(a)(2)(v)	73.71(a)																																					
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20.405(a)(1)(iii)	90.73(a)(2)(i)		90.73(a)(2)(vii)(A)																																						
20.405(a)(1)(iv)	90.73(a)(2)(ii)		90.73(a)(2)(vii)(B)																																						
20.405(a)(1)(v)	90.73(a)(2)(iii)		90.73(a)(2)(viii)																																						

LICENSEE CONTACT FOR THIS LER (12)
NAME
Rick Hildebrand, System Test Engineer, Ext. 256
TELEPHONE NUMBER
AREA CODE 8 1 5
2 3 4 - 5 4 4 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
C	I	L	G	0 6 3	N				

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) ☐ NO ☒
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

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

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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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMS NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1) BYRON, UNIT 1	DOCKET NUMBER (2) 0 5 0 0 0 4 5 4	LER NUMBER (3)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	0 3 7	0 0 0	2	OF	0 2

TEXT (If more space is required, use additional NRC Form 305A's) (17)

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.



Commonwealth Edison
Byron Nuclear Station
4450 North German Church Road
Byron, Illinois 61010

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

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

IE 22
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