

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
BYRON, UNIT 1

DOCKET NUMBER (2)

PAGE (3)

0500041541 OF 012

TITLE (4)

POWER FAIL ON OPR32J RESULTING IN OA VC ACTUATION

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)
01	25	85	85	010	00	02	11	85			0500041541

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)	3	20.402(b)	20.408(a)	X	50.73(a)(2)(iv)	73.71(b)				
01010		20.408(a)(1)(ii)	50.39(a)(1)		50.73(a)(2)(v)	73.71(a)				
		20.408(a)(1)(iii)	50.39(a)(2)		50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 386A)				
		20.408(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(A)					
		20.408(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(viii)(B)					
		20.408(a)(1)(vi)	50.73(a)(2)(iv)		50.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)  
NAME  
Rick Hildebrand, Tech Staff Engineer, Ext. 381

TELEPHONE NUMBER

AREA CODE

815234-5441

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
X	IL	/1/1/1/	G10163	N					

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE: X 90					

ABSTRACT (Limit to 400 spaces - i.e., approximately fifteen single-space typewritten lines) (16)

A monitor "loss of sample flow" alarm on OPR32J (Main Control Room Outside Air Intake 'A') radiation monitor automatically caused Train A of the Control Room Ventilation System to switch to the makeup mode of operation. The alarm occurred due to a voltage transient caused by starting 1A and 1C Reactor Containment Fan Coolers. Presently, the problem is being investigated by Technical Staff and Station Nuclear Engineering.

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8502220341 850211  
PDR ADOCK 05000454  
S PDR

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)

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BYRON, UNIT 1

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TEXT (If more space is required, use additional NRC Form 368A's) (17)

On January 25, 1985, at 1730, with the plant operating in Mode 3, radiation monitor OPR32J (Main Control Room Outside Air Intake 'A') went into interlock condition due to a voltage transient caused by the startup of 1A and 1C Reactor Containment Fan Coolers, the voltage transient causes the K-1 relay at the RM-80, the radiation monitoring system microprocessor, to dropout. When this relay drops out, the Control Room Ventilation shifts to the makeup mode.

Plant and public safety were not affected since the ESF function shifts the Control Room Ventilation to a safer lineup.

There have been similar occurrences of voltage transients causing the Control Room Ventilation to shift to its makeup mode (LER 85-007-00).

The station is evaluating the possibility of lowering the setpoints for the Power Fail trip to reduce the probability of the interlock condition occurring due to large plant load starts.



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

February 11, 1985

LTR: BYRON 85-0216

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 85-010-00, Docket No. 50-454.

Very truly yours,

R. E. Querio  
Station Superintendent  
Byron Nuclear Power Station

REQ/vda

Enclosure: Licensee Event Report No. 85-010-00

cc: J. G. Keppler, NRC Region III Administrator  
J. Hinds, NRC Resident Inspector  
INPO Record Center  
CECO Distribution List

IE22  
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