

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) BYRON, UNIT 1	DOCKET NUMBER (2) 050004541 OF 12	PAGE (3) 1
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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	DOCKET NUMBER(S)	
01	25	85	85	010	00	02	11	85	050004541	

OPERATING MODE (8) 3

POWER LEVEL (10) 01010

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. Check one or more of the following: (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.408(a)	<input checked="" type="checkbox"/> 90.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.408(a)(1)(ii)	<input type="checkbox"/> 90.39(a)(1)	<input type="checkbox"/> 90.73(a)(2)(v)	<input type="checkbox"/> 73.71(a)
<input type="checkbox"/> 20.408(a)(1)(iii)	<input type="checkbox"/> 90.39(a)(2)	<input type="checkbox"/> 90.73(a)(2)(vi)	<input type="checkbox"/> OTHER (Specify in Abstrct below and in Text, NRC Form 306A)
<input type="checkbox"/> 20.408(a)(1)(iv)	<input type="checkbox"/> 90.73(a)(2)(ii)	<input type="checkbox"/> 90.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.408(a)(1)(v)	<input type="checkbox"/> 90.73(a)(2)(iii)	<input type="checkbox"/> 90.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.408(a)(1)(vi)	<input type="checkbox"/> 90.73(a)(2)(iii)	<input type="checkbox"/> 90.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: Rick Hildebrand, Tech Staff Engineer, Ext. 381

TELEPHONE NUMBER: AREA CODE 815, 234-5441

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
X	I	L	/ / / / /	G1063	N				

SUPPLEMENTAL REPORT EXPECTED (14)

YES NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1403 spaces - i.e. approximately fifteen single-spaced 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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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 5	- 0 1 0	- 0 0	0 2	OF 0 2

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

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