

LICENSEE EVENT REPORT (LER)

Facility Name (1) Byron, Unit 1 Docket Number (2) 0150000454 Page (3) 1 of 02

Title (4) UNIT 1 CONTAINMENT VENTILATION ISOLATION

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)
07	04	85	85	064	00	07	25	85		0150000454

OPERATING MODE (9) 5 THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)

POWER LEVEL (10) 000	20.402(b)	20.405(c)	X	50.73(a)(2)(iv)	73.71(b)
	20.405(a)(1)(i)	50.36(c)(1)		50.73(a)(2)(v)	73.71(c)
	20.405(a)(1)(ii)	50.36(c)(2)		50.73(a)(2)(vii)	Other (Specify in Abstract below and in Text)
	20.405(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)	
	20.405(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)	
	20.405(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

Name Michael Ryterski Ext. 2415 TELEPHONE NUMBER AREA CODE 815 234-5441

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

CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS
B	I L	/ / / /	G 063	N					

SUPPLEMENTAL REPORT EXPECTED (14)

Expected Submission Date (15) X NO

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

Area Radiation Monitor 1RT-AR012 (Containment Fuel Handling Accident) went into the interlock mode due to a power failure alarm caused by a voltage transient. This initiated containment ventilation isolation. The voltage transient occurred when the 1B circulating water pump was started. Modifications have been issued to lower the power failure trip setpoint in order to reduce the sensitivity of radiation monitors to voltage transients.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT								

On July 4, 1985, at 2130, during Mode 5 operation, area radiation monitor 1RT-AR012 (Containment Fuel Handling Accident) went into the interlock mode due to a power failure alarm caused by a voltage transient. This caused a containment ventilation isolation. The voltage transient occurred when the 1B circulating water pump was started. The power failure function and alarm allows the monitors data base to be transferred to a battery powered memory prior to an anticipated loss of AC voltage. The monitor returned to normal operating status after the transient occurred.

Plant and public safety were not affected. The containment ventilation isolation is an ESF function which establishes a safer plant condition.

There have been similar occurrences of containment ventilation isolations caused by voltage transients (LER 85-007-00, 85-036-00). Modifications have been issued to reduce the power failure trip setpoint from 100 volts to 90 volts and the reset setpoint from 105 volts to 95 volts. These modifications should reduce the sensitivity of the area and process radiation monitors to voltage transients.



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

July 25, 1985

LTR: BYRON 85-1055

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) 50.73(a)(2)(i) which requires a 30 day written report.

This report is number 85-064-00; Docket No. 50-454.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/gt

Enclosure: Licensee Event Report No. 85-064-00

cc: J. G. Keppler, NRC Region III Administrator
J. Hinds, NRC Resident Inspector
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#3/017

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