

LICENSEE EVENT REPORT (LER)

Facility Name (1) Byron, Unit 1	Docket Number (2) 0 5 0 0 0 4 5 4	Page (3) 1 of 0 2
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Title (4) AUTO START OF OA VC M/U FAN

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)									
0	4	2	4	8	5	8	5	---	0 4 9	---	0 0	0 5	2	0	8	5			0 5 0 0 0

OPERATING MODE (9) 1		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)									
POWER LEVEL (10) 0 4 9		20.402(b)		20.405(c)		<input checked="" type="checkbox"/> 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			
		20.405(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)		Abstract below and			
		20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)		in Text)			
		20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(x)					

LICENSEE CONTACT FOR THIS LER (12)

Name Michael Ryterski, System Test Engineer	Ext. 2415	TELEPHONE NUMBER AREA CODE 8 1 5 2 3 4 - 5 4 4 1
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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
X	V	I	/ / / / /	N					

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> Yes (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	Expected Submission Date (15)
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

The Train A Main Control Room Ventilation System transferred to the makeup mode of operation, which is its ESF configuration. The cause of this actuation is unknown since no automatic start input signals were identified. The Control Room Ventilation Isolation was reset and ventilation was returned to normal operating status.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT

On April 24, 1985 at 1825, with the plant operating in mode 1, the Train A Main Control Room Ventilation System (VC) transferred to the makeup mode of operation. The cause of this ESF actuation is unknown. Four alarm inputs (Unit 1 SI, Unit 2 SI and two "Train A" VC process radiation monitors) could cause this actuation. The alarm history printout, alarm trend display, and alarm status buffers for the process radiation monitors were reviewed. These showed no evidence of any interlock actuations by either radiation monitor. No Unit 1 SI occurred and the Unit 2 SI relay is not operational. The Control Room Ventilation Isolation was reset and ventilation was restored to normal operating status.

Plant and public safety were not affected since transfer of the Control Room Ventilation to the makeup mode is an ESF function which establishes a safer plant condition.

There has been a similar occurrence of this event (LER 84-35-00). That event was attributed to an inadvertent bumping of the makeup fan control handswitch. Process radiation monitors have also caused auto start of the makeup fans in the past. Typically these actuations have been caused by electrical interference.

A thorough review of the Process Radiation alarm history files revealed no clues as to the cause of this spurious Control Room Ventilation actuation. Since the cause of the actuation could not be determined, no further corrective action beyond restoring the ventilation system to normal operation was taken. Corrective action will be taken if such actuations recur and a trend is established.



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

May 20, 1985

LTR: BYRON 85-0756

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 85-049-00; Docket No. 50-454.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/gt

Enclosure: Licensee Event Report No. 85-049-00

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

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