

## 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) MOMENTARY LOSS OF POSITIVE PRESSURE IN MAIN CONTROL ROOM WHILE LOADING FUEL																
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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)												
1	1	0	9	8	4	8	4	0	0	6	0	0	1	2	0	4	8	4	0	5	0	0	0		

OPERATING MODE (9) 6		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)														
POWER LEVEL (10) 01010	20.402(b)		20.406(c)		50.73(a)(2)(iv)		73.71(b)									
	20.406(a)(1)(i)		50.36(e)(1)		50.73(a)(2)(v)		73.71(e)									
	20.406(a)(1)(ii)		50.36(e)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)									
	20.406(a)(1)(iii)	X	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)											
	20.406(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)											
	20.406(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)											

LICENSEE CONTACT FOR THIS LER (12)										TELEPHONE NUMBER							
NAME Donald E. Wengerter, Tech Staff Engineer (ext. 381)										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 NPD		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD		
B	V	F	x	x	x	x	x	x	x	x	N	

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

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

During alignment of the Auxiliary Building HVAC system to support construction activities, the Control Room HVAC system was unable to maintain a positive pressure as required by the interim Technical Specification for operation of the Control Room HVAC system. At the time of the event, core alterations were in progress on Unit 1. Operation of the Auxiliary Building HVAC in an ABNORMAL line-up to support construction caused the deviation. The Auxiliary building HVAC system was restored to a normal line-up resolving the condition.

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PDR ADDOCK 05000454  
S PDR

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)  Byron, Unit 1	DOCKET NUMBER (2)  0 5 0 0 0 4 5 4 8 4	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
			0 0 6	0 6	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 388A's) (17)

During this event Unit 1 initial fuel loading was in progress. The Control Room HVAC system consists of 2 redundant equipment trains. The interim Technical Specification for Unit 1 operation requires that the Control Room HVAC system maintain a positive pressure with respect to all adjacent areas prior to initial criticality.

Construction activities on the Auxiliary Building HVAC required that the two running Auxiliary Building exhaust fans and one Auxiliary Building supply fan be shutdown. The Auxiliary Building HVAC system normally operates with two supply fans and two exhaust fans running. When the construction activity placed the Auxiliary Building HVAC system into an ABNORMAL line-up with only one supply fan running and no exhaust fans operating, the differential pressure between the Control Room and the Auxiliary Building dropped from a positive pressure condition to 0.1" H<sub>2</sub>O negative. The Operating Department, upon noticing the negative pressure condition, immediately shutdown the operating Auxiliary Building supply fan. This action returned the Control Room to a positive pressure condition. The negative pressure condition existed for less than 5 minutes during core alterations prior to the return to positive pressure.

The Control Room supervisors have been advised on how the HVAC systems that border the Control Room affect the Control Room pressure and that more caution should be exercised in the operation of border HVAC systems.

Failure to maintain a positive pressure has been noted previously and reported in LER's 84-005.



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

December 4, 1984

LTR: BYRON 84-1477

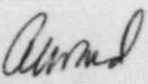
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Dear Sir:

The enclosed Licensee Event Report from Byron Generating Station is being transmitted to you in accordance with the requirements of 10CFR 50.73(a)(2)(i) which requires a 30 day written report.

This report is number 84-006-00, Docket No. 50-454.

Very truly yours,

*for*   
R. E. Querio  
Station Superintendent  
Byron Nuclear Power Station

REQ/vda

Enclosure: Licensee Event Report No. 84-006-00

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

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