

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) FEEDWATER ISOLATION DURING PLANT STARTUP

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	7	2	8	5	---	0	7	3	---	0 5 0 0 0 1
0	7	2	8	5	---	0	7	3	---	0 5 0 0 0 1

OPERATING MODE (9) POWER LEVEL (10) 0 0 0	4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)							
		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			
		20.405(a)(1)(iii)	50.73(a)(2)(i)	---	50.73(a)(2)(viii)(A)	in Abstract			
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	---	50.73(a)(2)(viii)(B)	below and in			
		20.405(a)(1)(v)	50.73(a)(2)(iii)	---	50.73(a)(2)(x)	Text)			

LICENSEE CONTACT FOR THIS LER (14)

Name Richard M. Williams, System Test Engineer	Ext. 2385	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	B	D		N							

SUPPLEMENTAL REPORT EXPECTED (14)

Yes (If yes, complete EXPECTED SUBMISSION DATE)	X NO	Expected Submission Date (15) Month Day Year
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

While in Mode 4 and performing a unit start-up, a Feedwater Isolation occurred due to high level in the 1B Steam Generator. The high level signal was caused by a surge in indicated level in response to a sudden, momentary drop in steam header pressure and increase in steam flow. Upon reconstruction of strip chart information, the steam flow surge was determined to be caused when steam line drip leg drain valves opened, resulting in a momentary change in steam demand. Start-up continued without a further occurrence of this event.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		Year	///	Sequential Number	///	Revision Number				
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TEXT

On July 22, 1985 at 6:20 a.m., Unit 1 was in Mode 4. The Unit was in the process of starting up and steam was being drawn off to warm up the main steam lines. Feedwater flow, steam generator level, and reactor coolant temperature appeared normal for start-up.

During the steam line warm up, a Feedwater Isolation occurred due to high level in the 1B Steam Generator. The high level signal was caused by a surge in indicated level in response to a sudden, momentary drop in steam header pressure and increase in steam flow. The drop in steam header pressure and reactor coolant temperature indicated a surge of steam to the secondary systems. Steam Generator levels were restored and all plant parameters returned to normal within 14 seconds of the start of this transient. Start up continued without further occurrence of this event. Upon reconstruction of strip chart information, the steam from surge was determined to be caused when steam line drip leg drain valves opened, blowing water and steam into the condenser and flash tank.

This event has never happened before at Byron Station. The event posed no threat to public safety. The licensed personnel on shift and the Reactor Protection Systems reacted appropriately to bring this event to a safe conclusion. No further action is planned at this time.



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

August 21, 1985

LTR: BYRON 85-1175

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 85-073-00; Docket No. 50-454.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/gt

Enclosure: Licensee Event Report No. 85-073-00

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

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