

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) BYRON, UNIT 1	DOCKET NUMBER (2) 05000454	PAGE 3 1 OF 02
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TITLE (4)
VENTING OF UNIT 1 CONTAINMENT

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	
01	06	85	85	006	00	01	25	85	DOCKET NUMBER(S) 050000	

OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)										
POWER LEVEL (10) 000	20.402(b)			20.408(a)			80.73(a)(2)(vi)			73.71(b)	
	20.408(a)(1)(i)			80.38(a)(1)			80.73(a)(2)(vi)			73.71(a)	
	20.408(a)(1)(ii)			80.38(a)(2)			80.73(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 306A)	
	20.408(a)(1)(iii)			X 80.73(a)(2)(ii)			80.73(a)(2)(viii)(A)				
	20.408(a)(1)(iv)			80.73(a)(2)(iii)			80.73(a)(2)(viii)(B)				
20.408(a)(1)(v)			80.73(a)(2)(iv)			80.73(a)(2)(i)					

LICENSEE CONTACT FOR THIS LER (12)

NAME Donald Wengertter, Tech Staff Engineer, Ext. 381	TELEPHONE NUMBER AREA CODE: 815 234 -544 1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPROS
D	/	V	/	N					

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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ABSTRACT (Limit to 1400 words - i.e. approximately fifteen single-space typewritten lines) (16)

On January 6, 1985 and January 10, 1985, while venting Unit 1 containment to reduce containment internal pressure, both the containment mini-purge supply and exhaust lines were opened in violation of Tech Specs and Station Operating Procedures. The error was caused by using the wrong procedure, and was detected during a review of one of the surveillance procedure's on January 14, 1985. The Unit Operating Engineer issued a daily order to clarify use of the mini-purge lines in accordance with Tech Specs. The station procedures have been revised to be more specific regarding the operation of the mini-purge system.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	- 0 6 6	- 0 0	0 2	OF	0 2

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

On January 6, 1985 at 0400 with the Unit in Mode 4, the Unit Operator opened both the containment mini-purge supply and exhaust lines at the same time in violation of the Station's Tech Specs, which allow only one line (supply or exhaust) to be open at a time. At the time the lines were opened, containment internal pressure was 0.9 psig. At 0439 the lines were closed with containment internal pressure at 0.5 psig. Tech Specs limit containment internal pressure to 1 psig. On January 10, 1985 between 0015 and 0108 the same violation occurred while reducing containment pressure from 1.0 to 0.25 psig. Both violations resulted from the Shift SRO (who authorized the gaseous release) directing the Unit Operator to use the containment venting procedure. However, the Unit Operator used only the gaseous release procedure which did not state that only one mini-purge line may be open at a time. The containment venting procedure specifically states that only one line may be open.

The violations were discovered on January 14, 1985 during review of the surveillance results for the open time of the mini-purge lines.

The mini-purge system consists of separate supply and exhaust systems which share filters and discharge ductwork with the normal purge system. The mini-purge system has 8" lines which penetrate the containment and can be isolated either manually or automatically by the air-operated containment isolation valves. Automatic isolation occurs on safety injection or high radiation in containment. There was no radiation activity in containment and the high radiation interlock was available, so there were no adverse safety consequences from the event.

As a result of these two violations the gaseous release procedure, containment venting procedure, and the surveillance procedure verifying the amount of time the mini-purge lines are open have all been revised to be more explicit in their direction for operation of the mini-purge system. In addition the Unit Operating Engineer has issued a daily order (effective 1-14-85) regarding the use of the mini-purge system.

There have been no previous occurrences.



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

January 25, 1985

LTR: BYRON 85-0130

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

This report is number 85-006-00, Docket No. 50-454.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/vda

Enclosure: Licensee Event Report No. 85-006-00

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