NRC Form 366 (9-83)

LICENSEE EVENT REPORT (LER)

U.S. NUCLEAR REGULATORY COMMISSION
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

PAGE (3): 1 OF 0 2

TITLE (4)
1PR11J RADIATION MONITOR INOPERABLE

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 2	2 8	8 5	8 5	— 0 2 6	— 0 0	0 3	2 9	8 5		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9): 3

POWER LEVEL (10): 0 1 0 0

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

20.402(b)	20.405(c)	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, NRC Form 366A)
20.405(a)(1)(iii)	X 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: Rick Hildebrand, Tech Staff Engineer, Ext. 415

TELEPHONE NUMBER — AREA CODE: 8 1 5 2 3 6 1 - 5 4 6 3

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
A	I L	I I I	G 0 6 3	N							

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) — X NO

EXPECTED SUBMISSION DATE (15): MONTH | DAY | YEAR

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

Radiation monitor 1PR11J (Containment Atmosphere radiation monitor) was inadvertently left isolated from containment atmosphere after maintenance activity on valve 1PR001B. This error caused the plant to be in violation of Technical Specifications for approximately 72 hours. Inleakage at the radiation monitor caused the 1PR11J to appear to be operating normally at the RM-11 console in the Main Control Room. The leakage was repaired, 1PR034 opened and the radiation monitor returned to service. Administrative controls are being implemented to ensure system integrity/proper restoration of the system after maintenance activities are completed.

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

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On February 28, 1985 at 1230, while the plant was operating in Mode 3, a review of the abnormal valve position log revealed that the Containment Atmosphere Radiation Monitor sample inlet valve, 1PR034 was closed. After investigation it was determined that valve 1PR034 was closed on February 25, 1985. This provided an isolation point for maintenance work performed on a downstream Containment Atmosphere Isolation valve, 1PR001B. Prior to starting the maintenance work the appropriate Limiting Condition for Operating Action Requirement (LCOAR) was entered. After the maintenance work was completed the LCOAR was exited, however 1PR034 was not reopened. As the isolation valve was closed the radiation monitor was inoperable and the applicable Technical Specification was unknowingly violated for approximately 72 hours. Upon identifying the discrepancy the appropriate LCOAR was entered.

Operational status of the affected radiation monitor is provided in the control room however the status indicated normal sample flow through the monitor. Normally with 1PR034 closed the radiation monitor would have automatically shutdown due to high vacuum and an alarm would have actuated in the control room. Due to air inleakage at the radiation monitor a high vacuum condition never occurred and the unit operator was led to believe that monitor operation was satisfactory.

Plant and public safety were assured since prior to and during a containment purge both the Containment Purge Effluent Monitor and the Auxiliary Building Vent Stack Effluent monitor were surveying radiation levels.

There have been no similar occurrences of this nature.

Three actions are being taken to prevent recurrence:

(1) Place this event report in the required reading program.

(2) Place a memo in the required reading program which advises the SCRE and Unit Operator to enter abnormal conditions into the LCOAR log when an LCOAR is entered. AIR 6-85-145 will ensure that this is accomplished.

(3) Change the radiation monitor filter procedure so that system integrity will be ensured after each filter replacement. AIR 6-85-148 will ensure that this is accomplished.

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

March 29, 1985

LTR: BYRON 85-0458

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 85-026-00 Docket No. 50-454.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/vda

Enclosure: Licensee Event Report No. 85-026-00

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

#3/017

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