U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/86

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
BYRON, UNIT 1	0 5 0 0 0 4 5 4	1 OF 0 2

TITLE (4)
INADVERTENT START OF OB MAKEUP FILTER FAN AND CONTROL ROOM VENT ISOLATION

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 2	3 1	8 4	8 4	0 3 8	0 0	0 1	2 4	8 5		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	5	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)	X 50.73(a)(2)(iv)	☐ 73.71(b)
POWER LEVEL (10)	0 1 0 0	☐ 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)	☐ 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	TELEPHONE NUMBER	
	AREA CODE	
Rick Hildebrand, System Test Engineer, Ext. 250	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	MANUFAC- TURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPRDS	
A	I L	M O N	G 0 6 1 3	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)

A spurious high radiation and interlock alarm on radiation monitor OPR34J (Main Control Room Outside Air Intake 'B') automatically caused the Control Room Ventilation System to switch to the make up mode of operation. The spurious alarms were produced when filters in the monitor were being changed. In order to prevent recurrence of the event, noise suppression devices have been installed on the monitor.

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NRC Form 366A
(9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES 8/31/85

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 3 8	0 0	0 2 OF	0 2

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

On December 31, 1984 at 0937, with the plant operating in Mode 5, radiation monitor OPR34J (Main Control Room Outside Air Intake '8') went into high radiation and interlock alarm due to noise induced by the flow controller vacuum switches when the filters were installed. Due to the interlock condition, the ventilation system for the Main Control Room automatically switched to the ESF make up mode of operation. The alarms reset automatically shortly after they occurred as a true alarm condition was not present at the affected monitor.

By procedure, whenever filters are to be changed, the monitor is placed in the purge mode, which was done. However, the induced noise caused a high radiation signal which is not blocked in the purge mode.

Plant and public safety were not affected since the result of the event was to switch the Control Room HVAC to a safer mode of operation.

There have been similar occurrences of ESF functions due to filter changes (LER 84-018-00, LER 84-027-00).

Noise suppression devices have been installed in the monitor, and these should preclude recurrence of this event.

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

January 24, 1985

LTR: BYRON 85-0119

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 84-038-00, Docket No. 50-454.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/vda

Enclosure: Licensee Event Report No. 84-038-00

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

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