

LICENSEE EVENT REPORT (LER)

Facility Name (1) Braidwood, Unit 1						Docket Number (2) 0 5 0 0 0 4 5 7			Page (3) 1 of 0 2		
Title (4) Containment Ventilation Isolation From Loss of Pulses to Radiation Monitor 1RT-AR011 Due to Low Background Radiation											
Event Date (5) Month Day Year			LER Number (6) Sequential Number			Report Date (7) Month Day Year			Other Facilities Involved (8) Facility Names Docket Number(s)		
0 1	2 4	8 8	8 8	---	0 0 2	---	0 0	0 2	1 6	8 8	NONE 0 5 0 0 0

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

OPERATING MODE (9) 5	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
POWER LEVEL (10) 0 0 0	<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
	<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> Other (Specify in Abstract below and in Text)
	<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
	<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
	<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

Name Paul Stanczak, Technical Staff Engineer Ext. 2486	TELEPHONE NUMBER AREA CODE 8 1 5 4 5 8 - 2 8 1 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

SUPPLEMENTAL REPORT EXPECTED (14)

Yes (If yes, complete EXPECTED SUBMISSION DATE) | NO

Expected Submission Date (15) | | | | | | | | | |

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

At 0727 on January 24, 1988, the Containment Building Fuel Handling Incident Area Radiation Monitor 2RT-AR011 momentarily went into an alert alarm and interlock actuation due to a loss of pulses. The associated containment isolation valves were already closed. The alarm was acknowledged and the alarm status cleared.

An immediate investigation did not reveal any work activity in the area that would have contributed to the event. Therefore, the containment isolation signal was immediately reset.

The event was caused by pulses not being received by the detector within a five minute time period due to low background radiation. The pulse time interval has been increased from five minutes to 10 minutes as noted in the vendor manual.

One previous occurrence of a loss of pulses. That event was due to contractor activity which damaged the detector. Reference LER 87-003 Docket 456.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT Energy Industry Identification System (EIIIS) codes are identified in the text as [xx]											

A. PLANT CONDITIONS PRIOR TO EVENT:

Unit: Braidwood 2; Event Date: January 24, 1988; Event Time: 0727
 MODE: 5 - Cold Shutdown; Rx Power: 0%; RCS [AB] Temperature/Pressure: 100°F/0 psig

B. DESCRIPTION OF EVENT:

There were no systems or components inoperable at the beginning of the event that contributed to the event.

At 0727 on January 24, 1988, the Containment Building Fuel Handling Incident Area Radiation Monitor 2RT-AR011 [IL] momentarily went into an alert alarm and interlock actuation due to a loss of pulses. This condition caused a Train A Containment Ventilation Isolation Signal which annunciated in the main control room. The associated containment isolation valves were already closed. The loss of pulses and alert alarm was indicated on the control room radiation monitoring console (RM-11). The operator acknowledged the alarm, at which time 2RT-AR011 returned to normal operating status.

Personnel were dispatched to the area to investigate the alarm. The investigation did not reveal any work activity in the area that would have contributed to the event. It was therefore considered spurious and the containment ventilation isolation was immediately manually reset. No equipment was declared inoperable.

Plant conditions remained stable throughout the event, as no plant equipment operated. Only a control room alarm actuated. Operator action neither increased nor decreased the severity of the event.

The appropriate NRC notification via the ENS phone system was made at 0952 on January 24, 1988, pursuant to 10CFR50.72(b)(2)(11).

This occurrence is being reported pursuant to 10CFR50.73(a)(2)(iv) - Any event or condition that resulted in manual or automatic actuation of any Engineered Safety Feature, including the Reactor Protection System.

C. CAUSE OF EVENT:

The event was caused from pulses not being received by detector 2RE-AR011 within a 5 minute time period. This is a programmatic function used to verify detector operability. The root cause is being attributed to low background level present in the area.

D. SAFETY ANALYSIS:

This event had no effect on the safety of the plant or the public as the reactor had not yet been taken critical. Under worst case conditions of the unit operating at a power with a release in progress, the containment ventilation isolation signal would have closed the valves per system design. The redundant containment building fuel handling incident area radiation monitor 2RT-AR012 was operable throughout the event.

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E. CORRECTIVE ACTIONS:

Immediate corrective action was to determine that the signal was spurious and return the system to normal.

Action to prevent recurrence due to low background activity in the area, was to increase the pulse time interval from 5 minutes to 10 minutes as noted in the vendor manual.

F. PREVIOUS OCCURRENCES:

There has been one previous occurrence of a loss of detector pulses.

QVR/LER NUMBER _____ TITLE _____

20-1-87-009/87-003 Containment Ventilation Isolation Signal Due to Loss of Pulses From IRT-AR012

Although the result was the same, i.e., loss of pulses, the cause was due to construction activity which damaged the detector.

G. COMPONENT FAILURE DATA:

This event was not caused by component failure, nor did any components fail as a result of this event.



Commonwealth Edison
Braidwood Nuclear Power Station
Route #1, Box 84
Braceville, Illinois 60407
Telephone 815/458-2801

EEF/88-286

February 17, 1988

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

Dear Sir:

The enclosed Licensee Event Report from Braidwood 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 88-002-00; Docket No. 50-457.

Very truly yours,

E. E. Fitzpatrick 2/18/88

E. E. Fitzpatrick
Station Manager
Braidwood Nuclear Station

EEF/PGH/jab
(6643z)

Enclosure: Licensee Event Report No. 88-002-00

cc: NRC Region III Administrator
T. Tongue, NRC Resident Inspector
INPO Record Center
CECo Distribution List

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