

LICENSEE EVENT REPORT (LER)

Facility Name (1) Braidwood, Unit 1 Docket Number (2) 0151000456 Page (3) 1 of 03

Title (4) Failure to Follow Action Statement 3.3.3.10 On Failure Of IRT-PR028
(Auxiliary Building Effluent Radiation Monitor)

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)									
11	2	01	8	6	---	0	0	6	---	0	0	1	2	2	3	8	6	NONE	0151000456

OPERATING MODE (9) 5 THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)

POWER LEVEL (10)	<u>0</u>	<u>0</u>	<u>0</u>	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
				20.405(a)(1)(iii)	X 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 (12)

Name Paul Stanczak, Technical Staff Engineer, Ext. 2486 TELEPHONE NUMBER 8154581-2801

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) X NO NO Expected Submission Date (15) 11/2/01

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

On December 3, 1986 at 0901 with Unit 1 in Cold Shutdown (Mode 5) the Auxiliary Building Exhaust Fan DVA02CB [VF] was started. At that time IRT-PR028 [IL] which monitors vent stack effluent was in an equipment failure mode.

On December 4, at 0900 it was noted that Technical Specification Action Statement 3.3.3.10 was not being followed for IRT-PR028 being inoperable. Limiting Condition for Operation Action Requirement 3.3.3.10 was then entered, and IRT-PR028 was then declared inoperable. Radiation/Chemistry obtained samples and verified that no radioactive effluent was present at the vent stack.

The cause of the event is a licensed personnel cognitive error, in that the operators failed to recognize that running the fan initiated effluent flow and therefore, sampling was required.

This event was discussed with Operating Department personnel stressing the potential consequences of the situation and this report will be included in the Licensed Operator Requalification program. There have been no previous occurrences.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION																					
FACILITY NAME (1)	DOCKET NUMBER (2)				LER NUMBER (6)				Page (3)												
					Year	Sequential Number	Revision Number														
Braidwood, Unit 1	0	5	0	0	0	4	5	6	8	6	-	0	0	6	-	0	0	0	2	OF	0
TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [xx]																					

A. PLANT CONDITIONS:

MODE 5 Cold Shutdown, Rx Power 0%, RCS [AB] Temperature ambient, Pressure 0

B. DESCRIPTION OF EVENT:

On December 3, 1986 at 0901 with Unit 1 in Cold Shutdown (Mode 5) the Auxiliary Building Exhaust Fan OVA02CB [VF] was started. At that time 1RT-PR028 [IL] which monitors the vent stack effluent release did not indicate normal operating status on the Radiation Monitor (RM-11) control room console. RM-11 control room console indication remained "Loss of Isokinetic Flow", which is indicative of an equipment failure when the exhaust fan are on.

On December 4, at 0900 it was noted by the Shift Control Room Engineer that Technical Specification Action Statement 3.3.3.10 was not being followed for 1RT-PR028 being inoperable. Limiting Condition for Operation Action Requirement 3.3.3.10 was then entered. 1RT-PR028 was then declared inoperable and Radiation Chemistry Technicians were called to take samples of the vent stack effluent.

There were no safety system actuations involved; effluent releases are allowed to continue providing grab samples are taken and analyzed. Plant conditions were always stable and there were no operator actions that increased or decreased the severity of the event. This event is reportable per 10CFR50.73(a)(2)(1).

C. CAUSE OF EVENT:

The cause of the event is a licensed personnel cognitive error, in that the operators failed to recognize that running the fan initiated effluent flow and therefore, sampling was required.

There are two conditions that contributed to this event:

- 1) 1RT-PR028 has never been in a normal operating status due to an absence of flow from the Auxiliary Building Exhaust.
- 2) Starting of the OVA02CB fan was an initial run involving preoperational testing. Exhaust plenum filters were not installed, the system was not balanced and flow exceeded maximum design flow by 25%.

D. SAFETY ANALYSIS:

There was no effect on the safety of the plant or the public since the unit has not yet gone critical, an analysis has demonstrated that the auxiliary building ventilation is not required prior to initial operation above 20% rated thermal power and radioactive effluents are not present. Had the unit been running 1RT-PR030 would have been available for redundant indication of the Auxiliary Building effluent exhaust.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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Braidwood, Unit 1	0 5 0 0 0 4 5 6	8 6	-	0 0 6	-	0 0	0 3 OF 3 0

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as {xx}

E. CORRECTIVE ACTIONS:

Immediate corrective action was to obtain vent stack effluent sample and verified no radioactive effluents were present.

Actions to prevent recurrence:

1. This event was discussed with Operating Department personnel stressing the potential consequences of the situation.
2. This report will be included in the Licensed Operator Regualification program. (Action Item 456-200-86-0790

F. PREVIOUS OCCURRENCES:

None

G. COMPONENT FAILURE DATA:

None

DEVIATION REPORT

DVR NO.

20 - 1 - 86 - 079
STA UNIT YEAR NO.

PART 1 TITLE OF DEVIATION Aux Bldg Stack Monitors Inoperable With No Tech Spec Action Statement Entry		OCCURRED 12-04-86 0900 DATE TIME	
SYSTEM AFFECTED PR/VA (IL/VF)	PLANT STATUS AT TIME OF EVENT MODE _ 5 _ POWER(%) _ 0 _	N/A WORK REQUEST NO.	TESTING YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
DESCRIPTION OF EVENT			

December 3 at 0900 Aux Bldg exhaust fan OVA02CB was started. Starting this fan should have cleared a "Light Blue" condition which existed on 1PR028 (This is an acceptable indication during conditions of no process flow through the system). This however did not occur. The Light Blue conditions remained. This rendered the process monitor inoperable. The action step of the Tech Spec 3.3.3.10 was not followed.

POTENTIALLY SIGNIFICANT EVENT PER MSD DIRECTIVE A-07		YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
10CFR50.72 NRC RED PHONE	<input type="checkbox"/> 1 HOUR	D. E. O'Brien 12-04-86	
NOTIFICATION MADE	<input type="checkbox"/> 4 HOUR <input checked="" type="checkbox"/> NO	RESPONSIBLE SUPERVISOR DATE	

PART 2 | OPERATING ENGINEER'S COMMENTS

OVA02CB started 0901 12/3 and ran continuously. Samples not taken until following day.

NON REPORTABLE EVENT	NOTIFICATION	T. Tongue	12-5-86	1600
<input checked="" type="checkbox"/> 30 DAY REPORTABLE/10CFR50.23(a)(2)(i)(B)	REGION III	DATE	TIME	
<input type="checkbox"/> 5 DAY REPORT PER 10CFR21	D. P. Galle	12-05-86	1600	
<input type="checkbox"/> ANNUAL/SPECIAL REPORT REQUIRED	MSD	DATE	TIME	
A.I.R. # 4 5 6 - 2 0 0 - 8 6 - 0 2 9 0 1	<input type="checkbox"/> CECO CORPORATE NOTIFICATION MADE IF ABOVE NOTIFICATION IS PER 10CFR21			
L.E.R. # 8 6 / 0 0 6 - -	TELECOPY	N/A	DATE	TIME
	CECO CORPORATE OFFICER			

PRELIMINARY REPORT COMPLETED AND REVIEWED	G. R. Masters	12-05-86
	OPERATING ENGINEER	DATE
INVESTIGATION REPORT & RESOLUTION ACCEPTED BY STATION REVIEW	W. H. A. F. 12/23/86	Paul S. Stangor
RESOLUTION APPROVED AND AUTHORIZED FOR DISTRIBUTION	P. L. Barman 12/23/86	12/23/86
	Charles M. Johnson	DATE
	STATION MANAGER	

86-5176 (Form 15-52-1) 11-20-85

1458m(122286)/1046A/28



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

EEF/86-665
File: AGNC-14

December 23, 1986


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

This report is number 86-006-00; Docket No. 50-456.

Very truly yours,

for  12/22/86
E. E. Fitzpatrick
Station Manager
Braidwood Nuclear Station

EEF/PMB/mjv
(0003z)

Enclosure: Licensee Event Report No. 86-006-00

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

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