

LICENSEE EVENT REPORT (LER)

Facility Name (1) Braidwood, Unit 1 Docket Number (2) 015101014516 Page (3) 1 of 03

Title (4) Failure to Follow Action Statement 3.3.3.10 On Failure Of 1RT-PRO28 (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	01016	010	11	2	213	816	NONE	015101010111

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)	000	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)						
		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 Paul Stanczak, Technical Staff Engineer, Ext. 2486 TELEPHONE NUMBER 8115 4581-2180

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

SUPPLEMENTAL REPORT EXPECTED (14)

Expected Submission Date (15) X NO

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 1RT-PRO28 [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 1RT-PRO28 being inoperable. Limiting Condition for Operation Action Requirement 3.3.3.10 was then entered, and 1RT-PRO28 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.

8612270233 861223
PDR ADOCK 05000456
S PDR

IL
111

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 IRT-PRO28 [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 IRT-PRO28 being inoperable. Limiting Condition for Operation Action Requirement 3.3.3.10 was then entered. IRT-PRO28 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) IRT-PRO28 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 IRT-PRO30 would have been available for redundant indication of the Auxiliary Building effluent exhaust.

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 3	OF	0 1

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 Requalification 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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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 1PRO28 (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	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10CFR50.72 NRC RED PHONE <input type="checkbox"/> 1 HOUR	D. E. O'Brien	
NOTIFICATION MADE <input type="checkbox"/> 4 HOUR <input checked="" type="checkbox"/> NO	12-04-86	
TIME	RESPONSIBLE SUPERVISOR	DATE

PART 2 | OPERATING ENGINEER'S COMMENTS

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

<input type="checkbox"/> NON REPORTABLE EVENT	NOTIFICATION	T. Tongue	12-5-86	1600
<input checked="" type="checkbox"/> 30 DAY REPORTABLE/10CFR50.23(a)(2)(1)(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"/> CECCO CORPORATE NOTIFICATION MADE	IF ABOVE NOTIFICATION IS PER 10CFR21		
L.E.R. # 8 6 / 0 0 6 - -	TELECOPY	N/A		
	CECCO CORPORATE OFFICER		DATE	TIME

PRELIMINARY REPORT COMPLETED AND REVIEWED G. R. Masters 12-05-86
OPERATING ENGINEER DATE

INVESTIGATION REPORT & RESOLUTION ACCEPTED BY STATION REVIEW D. W. H. AFG 12/23/86 Paul S. Stangor

RESOLUTION APPROVED AND AUTHORIZED FOR DISTRIBUTION P. L. Barron 12/23/86 [Signature] 12/23/86

[Signature] 12/23/86
STATION MANAGER DATE



Commonwealth Edison
Braidwood Nuclear Power Station
Route #1, Box 84
Braidwood, 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

TE22
11