

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9205130063 DOC.DATE: 92/05/07 NOTARIZED: NO DOCKET #  
 FACIL:50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261  
 AUTH.NAME AUTHOR AFFILIATION  
 CROOK,R.D. Carolina Power & Light Co.  
 CHAMBERS,R.H. Carolina Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 92-006-00:on 920413,loss of both Emergency Diesel  
 Generators which constitutes an Unusual Event.Caused by  
 damage component.Fuel oil relief valve tubing & affected  
 nipple were disassembled.W/920507 ltr.

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Carolina Power & Light Company

ROBINSON NUCLEAR PROJECT DEPARTMENT  
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RNPD/92-1336  
(10CFR50.73)

United States Nuclear Regulatory Commission  
Attn: Document Control Desk  
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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
LICENSEE EVENT REPORT NO. 92-006-00

Gentlemen:

The enclosed Licensee Event Report (LER), is submitted in accordance with  
10 CFR 50.73 and NUREG 1022, Supplements No. 1 and 2.

Very truly yours,

R. H. Chambers  
General Manager

H. B. Robinson S. E. Plant

RDC:dwm

Enclosure

cc: Mr. S. D. Ebnetter  
Mr. L. W. Garner  
INPO

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NRC FORM 366 (6-89)				U.S. NUCLEAR REGULATORY COMMISSION				APPROVED OMB NO. 3150-0104 EXPIRES: 4/30/92  ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.			
<b>LICENSEE EVENT REPORT (LER)</b>											
FACILITY NAME (1) <b>H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2</b>								DOCKET NUMBER (2) <b>0 5 0 0 0 2 1 6 1 1</b>		PAGE (3) <b>1 OF 0 3</b>	
TITLE (4) <b>UNUSUAL EVENT DUE TO LOSS OF BOTH EMERGENCY DIESEL GENERATORS</b>											
EVENT DATE (5) MONTH DAY YEAR <b>0 4 1 3 9 2</b>			LER NUMBER (6) YEAR SEQUENTIAL NUMBER REVISION NUMBER <b>9 2 - 0 0 6 - 0 0 0</b>			REPORT DATE (7) MONTH DAY YEAR <b>0 5 0 7 9 2</b>			OTHER FACILITIES INVOLVED (8) FACILITY NAMES DOCKET NUMBER(S) <b>0 5 0 0 0</b>		
OPERATING MODE (9) <b>N</b>		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) <b>0</b>		20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)		73.71(c)	
		20.405(a)(1)(i)		50.38(c)(1)		50.73(a)(2)(v)		<input checked="" type="checkbox"/>		OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
		20.405(a)(1)(ii)		50.38(c)(2)		50.73(a)(2)(vii)				Information Report	
		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 <b>R. D. Crook, Senior Specialist - Regulatory Compliance</b>								TELEPHONE NUMBER AREA CODE <b>8 0 3 3 8 3 - 1 1 7 9</b>			
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)											
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)	
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO	
MONTH DAY YEAR											

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

On April 13, 1992, with H. B. Robinson Unit No. 2 in cold shutdown for refueling, and "A" Emergency Diesel Generator out of service for planned maintenance, "B" Emergency Diesel generator was required to be removed from service to repair a fuel oil leak. In accordance with Plant Emergency Procedures, the loss of both Emergency Diesel Generators constitutes an Unusual Event. The State and County agencies were notified of such, and an emergency notification was made to the NRC via the ENS pursuant to 10CFR50.72(a)(1)(i).

The fuel oil leak was caused by a damaged pipe nipple in the fuel oil tubing. The leak was repaired, and the Emergency Diesel Generator was returned to service. The Unusual Event was terminated on April 13 at 1540 hours.

This event was reviewed pursuant to 10CFR50.73, and determined not to be reportable. This LER is provided to document the declaration and termination of an Emergency Class as specified in the approved Emergency Plan.

<small>NRC Form 364A (9-83)</small>		<b>LICENSEE EVENT REPORT (LER) TEXT CONTINUATION</b>				<small>U.S. NUCLEAR REGULATORY COMMISSION  APPROVED OMB NO. 3150-0104  EXPIRES: 8/31/85</small>										
FACILITY NAME (1):  H. B. ROBINSON, UNIT NO. 2		DOCKET NUMBER (2):  0   5   0   0   0   2   6   1		LER NUMBER (8): <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:25%;">YEAR</th> <th style="width:25%;">SEQUENTIAL NUMBER</th> <th style="width:25%;">REVISION NUMBER</th> </tr> <tr> <td>9   2</td> <td>-   0   0   6</td> <td>-   0   0</td> </tr> </table>			YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	9   2	-   0   0   6	-   0   0	PAGE (3):  0   2		OF 0   3	
YEAR	SEQUENTIAL NUMBER	REVISION NUMBER														
9   2	-   0   0   6	-   0   0														

TEXT (If more space is required, use additional NRC Form 364A's) (17)

**I. DESCRIPTION OF EVENT**

On April 13, 1992, H. B. Robinson Unit No. 2<sup>1</sup> was in cold shutdown condition for a scheduled refueling outage. The "A" Emergency Diesel Generator (A-EDG) was out of service due to planned preventive maintenance activities. During performance of a scheduled surveillance test on the "B" Emergency Diesel Generator (B-EDG), a small fuel oil leak required the diesel to be removed from service for repairs. This leak was initially identified on December 12, 1991. At that time, due to the location of the leak and the insignificant amount of leakage present, the source of the leak was suspected to be the Fuel Oil Relief Valve FO-32B. Equipment operability was not affected due to the leakage, and parts were then ordered for valve repair. However, during surveillance testing on April 13, the amount of leakage increased. It was then discovered that the leakage was from an apparent crack in the fuel oil tubing nipple instead of the relief valve, as initially suspected.

At 1343 hours, following review of the Emergency Action Level procedure, an Unusual Event was declared because both Emergency Diesel Generators were simultaneously out of service. At 1351 hours, the State and County Warning Points were notified in accordance with the Emergency Plan procedures, and at 1412 hours the NRC was notified of the event via the ENS pursuant to 10CFR50.72(a)(1)(i). The Technical Support Center was then evacuated and searched in preparation for incorporation into the Protected area.

At 1446 hours, repairs had been completed on the B-EDG. The Diesel Generator was tested at full load, no fuel oil leakage was detected, and the equipment was returned to service. At 1540 hours, the Unusual Event was terminated, and the State and County Warning Points were notified as such at 1547 hours. The NRC was notified of the event termination at 1609 hours via the ENS.

**II. CAUSE OF EVENT**

This event is attributed to a damaged component. The fuel oil leakage occurred due to a cracked nipple in the fuel oil tubing connection to relief valve FO-32B.

Plant Emergency Procedure EAL-2, Emergency Action Level, provides guidance for emergency classification. This procedure requires that, under the category of "Loss of Power", an Unusual Event be declared upon loss of both Emergency Diesel Generators.

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<sup>1</sup>H. B. Robinson Steam Electric Plant, Unit No. 2, is a Westinghouse Pressurized Water Reactor in commercial operation since March, 1971.

NRC Form 344A  
(9-83)

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-3104

EXPIRES: 8/31/86

FACILITY NAME (1)  H. B. ROBINSON, UNIT NO. 2	DOCKET NUMBER (2)  0 5 0 0 0 2 6 1	LER NUMBER (8)			PAGE (3)		
		YEAR 1992	SEQUENTIAL NUMBER 006	REVISION NUMBER 00	03	OF 03	

TEXT (If more space is required, use additional NRC Form 344A's) (17)

III. ANALYSIS OF EVENT

At the time of this event, the plant was in cold shutdown condition. Technical Specification 3.7 applies to the availability of electrical power for the operation of plant auxiliaries, and requires that prior to taking the reactor critical, two Emergency Diesel Generators be operable. During power operation, Technical Specification 3.7.2 allows one Diesel Generator to be inoperable, provided the remaining diesel be tested daily. If both Emergency Diesel Generators had been unavailable during power operation, Technical Specification 3.0 would have been entered and a 8-hour to hot shutdown Limiting Condition for Operation would have been initiated. However, at the time of this event, Technical Specification 3.7 was not applicable. In that off-site power was available during this event, there was no adverse impact on plant safety.

Based on the above, the reporting requirements of 10CFR50.73 are not applicable to this event. This report is submitted for information to document the declaration and termination of an Emergency Class as specified in the approved Emergency Plan.

IV. CORRECTIVE ACTIONS

The fuel oil relief valve tubing and affected nipple were disassembled and repaired. The "B" Emergency Diesel Generator was returned to service, and the Unusual Event was terminated at 1540 hours on April 13, 1992.

V. ADDITIONAL INFORMATION

## A. Previous Similar Events

None

## B. Component Failures

None