

ACCELERATED DOCUMENT DISTRIBUTION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9310040367 DOC. DATE: 93/09/30 NOTARIZED: NO DOCKET #
 FACIL: 50-251 H.B. Robinson Plant, Unit 2, Carolina Power & Light Co 05000261
 AUTH. NAME AUTHOR AFFILIATION
 BAUR, D.H. Carolina Power & Light Co.
 FLANAGAN, W.J. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 93-010-00: on 930816, small oil fire occurred on exhaust manifold of "A" EDG due to misaligned & crimped gasket. Replaced & tested exhaust manifold gasket. W/930930 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD2-1 LA	1 1	PD2-1 PD	1 1
	MOZAFARI, B	1 1		
INTERNAL:	AEOD/DOA	1 1	AEOD/DSP/TPAB	1 1
	AEOD/ROAB/DSP	2 2	NRR/DE/EELB	1 1
	NRR/DE/EMEB	1 1	NRR/DORS/OEAB	1 1
	NRR/DRCH/HHFB	1 1	NRR/DRCH/HICB	1 1
	NRR/DRCH/HOLB	1 1	NRR/DRIL/RPEB	1 1
	NRR/DRSS/PRPB	2 2	NRR/DSSA/SPLB	1 1
	NRR/DSSA/SRXB	1 1	<u>REG FILE</u> 02	1 1
	RES/DSIR/EIB	1 1	<u>RG2</u> FILE 01	1 1
EXTERNAL:	EG&G BRYCE, J.H	2 2	L ST LOBBY WARD	1 1
	NRC PDR	1 1	NSIC MURPHY, G.A	1 1
	NSIC POORE, W.	1 1	NUDOCS FULL TXT	1 1

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

FULL TEXT CONVERSION REQUIRED
 TOTAL NUMBER OF COPIES REQUIRED: LTR 28 ENCL 28



Carolina Power & Light Company

ROBINSON NUCLEAR PLANT
POST OFFICE BOX 790
HARTSVILLE, SOUTH CAROLINA 29551

SEP 30 1993

Robinson File No: 13510C

Serial: RNP/93-2437

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT NO. 93-010-00

Gentlemen:

The enclosed Licensee Event Report (LER), is submitted in accordance with 10CFR50.73 and NUREG 1022 including Supplements No. 1 and 2.

Very truly yours,

Allen R. Wallace for

William J. Flanagan, Jr.
Acting Plant General Manager
H. B. Robinson S. E. Plant

DHB:lst

Enclosure

c: Mr. S. D. Ebnetter
Mr. W. T. Orders
INPO

9310040367 930930
PDR ADDCK 05000261
S PDR

JE 22

NRC FORM 366 (5-92)				U.S. NUCLEAR REGULATORY COMMISSION				APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95			
LICENSEE EVENT REPORT (LER)										ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.	
(See reverse for required number of digits/characters for each block)											
FACILITY NAME (1) H. B. ROBINSON, UNIT NO. 2						DOCKET NUMBER (2) 05000 261		PAGE (3) 1 OF 3			
TITLE (4) ALERT CAUSED BY AN OIL FIRE ON "A" DIESEL GENERATOR EXHAUST MANIFOLD											
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 NAME	DOCKET NUMBER	
08	16	93	93	-- 010 --	00				FACILITY NAME	DOCKET NUMBER	
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)									
N		20.402(b)			20.405(c)			50.73(a)(2)(iv)		73.71(b)	
POWER LEVEL (10)		20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)		73.71(c)	
100		20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vii)		x OTHER	
		20.405(a)(1)(iii)			50.73(a)(2)(i)			50.73(a)(2)(viii)(A)		(Specify in Abstract below and in Text, NRC Form 366A)	
		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 DAVID H. BAUR - REGULATORY AFFAIRS						TELEPHONE NUMBER (Include Area Code) (803) 383-1298					
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)		MONTH	DAY	YEAR	
YES (If yes, complete EXPECTED SUBMISSION DATE).				X NO							
ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)											
<p>This is a voluntary LER.</p> <p>At 1509 hours on August 16, 1993, during the performance of OST-401, "Emergency Diesels Slow Speed Start," and with the H. B. Robinson Unit No. 2¹ operating at 100 percent power, a small oil fire occurred on the exhaust manifold of "A" Emergency Diesel Generator (EDG). The fire was immediately extinguished by the Operator and the Diesel continued to operate for the period of time required by the OST to declare it operable. At 1519 hours on August 16, 1993, an Alert was declared based on a fire with the potential to affect safety-related equipment. The Alert was downgraded and the emergency terminated at 1637 hours on August 16, 1993. The exhaust manifold gasket was found crimped and has been replaced. The gasket installation procedure will be revised to include more specific guidance on installation.</p>											

¹H. B. Robinson Unit No. 2 is a Pressurized Water Reactor in commercial operation since March, 1971.

NRC FORM 366A (5-92)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95			
LICENSEE EVENT REPORT (LER) TEXT CONTINUATION				ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.			
FACILITY NAME (1)		DOCKET NUMBER (2)		LER NUMBER (6)		PAGE (3)	
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2		05000261		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 3
				93	-- 010 --	00	
TEXT (If more space is required, use additional copies of NRC Form 366A) (17)							
I. <u>DESCRIPTION OF EVENT</u>							
<p>At 1509 hours on August 16, 1993, during the performance of OST-401, "Emergency Diesels Slow Speed Start", and with the H. B. Robinson Unit No. 2 operating at 100 percent power, a small oil fire occurred on the exhaust manifold of "A" Emergency Diesel Generator (EDG). The fire was immediately extinguished by the Operator using a portable fire extinguisher. The "A" EDG continued to operate for the period of time required by the OST to declare it operable and the plant continued to operate at 100 percent power.</p> <p>At 1519 hours on August 16, 1993, an Alert was declared based on a fire with the potential to affect safety-related equipment. The Emergency Response Organization (ERO) was notified and the Technical Support Center (TSC) was activated at 1605 hours. Appropriate notifications were made to State and Counties, the NRC, and other organizations as required. Based on the fire being extinguished and the "A" EDG continuing to operate in a loaded condition, the Alert was downgraded and the emergency terminated at 1637 hours on August 16, 1993. Following the termination of the emergency, a news release was approved and subsequently issued at 1750 hours on August 16, 1993. The NRC was notified at 1517 hours on August 17, 1993.</p>							
II. <u>CAUSE OF EVENT</u>							
<p>An incident evaluation team was chartered by management to determine the cause of the fire and to recommend corrective actions. The incident evaluation team identified that the gasket installed on the exhaust manifold had been misaligned and crimped allowing oil from the pre-lube process to leak into the heat shield where it later ignited and caused a small fire.</p>							
III. <u>ANALYSIS OF EVENT</u>							
<p>This is a voluntary LER being reported as a follow-up to the Alert of August 16, 1993.</p> <p>The fire on the "A" EDG had no significant safety impact on equipment operation based on the EDG's ability to continue to operate at full load and the fact that the fire was small and immediately extinguished.</p>							

NRC FORM 366A
(5-92)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB NO. 3150-0104
EXPIRES 5/31/95LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2	05000261	93	-- 010 --	00	3 OF 3

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

IV. CORRECTIVE ACTIONS

As part of the corrective actions, the exhaust manifold gasket has been replaced and tested satisfactorily.

Additionally, a revision of procedure CM-640, "EDG Exhaust System Maintenance," will be completed to include more specific guidance on the installation of the exhaust manifold gaskets. The procedure change will be completed by November 12, 1993.

V. ADDITIONAL INFORMATION

1. Failed Component
None
2. Previous Similar Events
None