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ACCESSION NBR: 9407060052 DOC. DATE: 94/06/27 NOTARIZED: NO DOCKET #
 FACIL: 50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
 AUTH. NAME AUTHOR AFFILIATION
 JERRY, K.R. Carolina Power & Light Co.
 PEARSON, M.P. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 94-009-00: on 940526, identified that fuel cask crane was stored in position over SPF, which constituted condition outside design basis due to failure of sys engineer. Installed sign on crane providing directions. W/940627 ltr.

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

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Carolina Power & Light Company
Robinson Nuclear Plant
PO Box 790
Hartsville SC 29551

10 CFR 50.73

Robinson File No.: 13510C
Serial: RNP/94-1273

JUN 27 1994

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23
LICENSEE EVENT REPORT NO. 94-009-00

Gentlemen:

The enclosed Licensee Event Report (LER), is submitted in accordance with
10 CFR 50.73.

Very truly yours,

Marc P. Pearson
Plant General Manager
H. B. Robinson S. E. Plant

RDC:rdc
Enclosure

c: Mr. S. D. Ebnetter, Regional Administrator, USNRC, Region II
Ms. B. L. Mozafari, USNRC Project Manager, HBRSEP
Mr. W. T. Orders, USNRC Senior Resident Inspector, HBRSEP

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9407060052 940627
PDR ADDCK 05000261
S PDR

Highway 151 and SC 23 Hartsville SC

LEDP
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NRC FORM 366
(5-92)

U.S. NUCLEAR REGULATORY COMMISSION

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

(See reverse for required number of digits/characters for each block)

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 (MNB 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)

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT 2

DOCKET NUMBER (2)

050-261

PAGE (3)

1 OF 3

TITLE (4)

SPENT FUEL CASK CRANE STORAGE RESULTS IN CONDITION OUTSIDE DESIGN BASIS

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
05	26	94	94	009	00	06	27	94	FACILITY NAME	DOCKET NUMBER 05000
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)	
POWER LEVEL (10)			20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)	
100			20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vii)	
			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)	
			(Specify in Abstract below and in Text, NRC Form 366A)							

LICENSEE CONTACT FOR THIS LER (12)

NAME

K. R. Jury: Manager-Licensing/Regulatory Programs

TELEPHONE NUMBER (Include Area Code)

(803) 383-1363

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)

YES

(If yes, complete EXPECTED SUBMISSION DATE).

X NO

EXPECTED SUBMISSION DATE (15)

MONTH

DAY

YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On May 26, 1994, H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2 was operating at 100 percent power. A routine inspection identified that, contrary to the commitments stated in the Updated Final Safety Analysis Report, the spent fuel cask handling crane was stored in a position over the Spent Fuel Pit (SFP), which constituted a condition outside the design basis of the plant. This event was caused by failure of the System Engineer to adequately assess if this configuration was bounded by the plant licensing basis commitments prior to authorizing it to be moved to that location. Upon discovery of this condition, the crane was returned to its normal storage location. An evaluation of the potential consequences of this condition was performed, and no condition adverse to safety of the plant or the public existed while the crane was parked over the SFP. Appropriate corrective actions were taken with regard to the human performance aspects of the event, and administrative controls were initiated to preclude recurrence. This report is submitted pursuant to 10 CFR 50.73(a)(2)(ii) as an operation in a condition outside the design basis of the plant.

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)							
H. B. ROBINSON, UNIT 2		050-261		<table border="1"> <tr> <td>YEAR</td> <td>SEQUENTIAL NUMBER</td> <td>REVISION NUMBER</td> </tr> <tr> <td>94</td> <td>009</td> <td>00</td> </tr> </table>		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	94	009	00
YEAR	SEQUENTIAL NUMBER	REVISION NUMBER									
94	009	00									
				PAGE (3)							
				2 OF 3							

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

I. DESCRIPTION OF EVENT

On May 26, 1994, H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2 was operating at steady-state conditions with reactor power at 100 percent. During a routine inspection, a licensee Nuclear Assessment Department assessor identified that, contrary to the commitments stated in the Updated Final Safety Analysis Report section 3.7.2.6, the spent fuel cask handling crane (EIIS Code: CRN) was stored in a position over the Spent Fuel Pit (SFP). The crane was moved over the SFP on March 24, 1994, in preparation for painting, and scaffolding had been erected around the crane. However, due to lack of a procedure for using the type of paint specified for the application (i.e., lead paint), work had been suspended pending procedure preparation. The crane remained parked over the SFP during this time. Upon notification of this condition at 2135 hours, site management concluded that storage of the crane in this location constituted a condition outside the design basis of the plant. The NRC was notified of this condition on May 26, 1994, at 2232 hours, pursuant to 10 CFR 50.72(B)(1)(ii)(B).

II. CAUSE OF EVENT

This event was due to personnel error due to failure of the System Engineer to adequately assess if this configuration was bounded by the plant licensing basis commitments.

III. ANALYSIS OF EVENT

An evaluation of the potential consequences of the crane being stored over the SFP was performed. While the SFP was designed to withstand the anticipated licensing basis earthquake loading as a Class I structure, the Fuel Handling Building (FHB), on which the crane is located, is a Class III structure and is designed for seismic loads in accordance with the Uniform Building Code. Under certain accident conditions (i.e., seismic event) the crane could potentially fall on the roof of the FHB and into the SFP. However, because the FHB was designed such that the crane, at maximum loading (i.e., with a fuel cask with spent fuel elements), would be adequately supported, no failure of the FHB superstructure would be expected in the event of a licensing basis earthquake. The integrity of the spent fuel in the SFP was not jeopardized while the crane was parked over the SFP, and therefore no condition adverse to safety of the plant or the public existed.

This report is submitted pursuant to 10 CFR 50.73(a)(2)(ii) as an operation in a condition outside the design basis of the plant.

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

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
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		94	009	00	

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IV. CORRECTIVE ACTIONS

Upon discovery of this condition, the crane was moved from its position over the SFP roof and returned to its normal storage location. The System Engineer responsible for the Fuel Handling System was counselled for failure to adequately evaluate the consequences of placing the crane in the location over the SFP. A sign was installed on the crane providing direction that the crane will not be left over the SFP unattended. Procedural controls will be implemented to ensure this direction is followed prior to future work activity involving the crane. We anticipate these procedural controls to be in place by August 30, 1994.

V. ADDITIONAL INFORMATION

A. Failed Component Information

None

B. Previous Similar Events

None