

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	S	C	H	B	R	2	0	0	-	0	0	0	0	0	0	0	3	4	1	1	1	1	4		5		
7	8	9	LICENSEE CODE						14	15	LICENSE NUMBER						25	26	LICENSE TYPE						30	57	CAT	58

CON'T

0	1	L	0	5	0	0	0	2	6	1	0	9	2	6	8	3	1	0	1	0	8	3	9									
7	8	REPORT SOURCE						60	61	DOCKET NUMBER						68	69	EVENT DATE						74	75	REPORT DATE						80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On September 26, 1983, at 1452 hours, with the unit at 78% power, a service water leak was discovered on Containment Fan Cooler HVH-2. HVH-2 service water was isolated, and the unit was declared inoperable at 1601 hours. HVH-2 was returned operable on September 26, 1983. On September 28, 1983, at 2230 hours, another service water leak was discovered on HVH-2. HVH-2 service water was isolated, and HVH-2 was declared inoperable at 2244 hours on September 28, 1983. The cooling requirements of the containment were maintained; thus, there was no threat to the public health and safety.

0	9	S	B	E	F	H	T	E	X	C	H	G	Z										
7	8	9	10	11	12	13	14	15	16	17	18	19	20										
LER/RO REPORT NUMBER		EVENT YEAR		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.	
17		8 3		11		12		13				14		15		16		17		18		19	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER					
X		B		Z		Z		0 0 0 0				Y		N		N		W 1 2 0					
33		34		35		36		37				40		41		42		43		44			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

For the first event, the defective tube bundle was repaired using a ceramic sealant material, and HVH-2 was declared operable at 0630 hours on September 27, 1983. For the second event, one of six banks of the defective cooler was isolated on September 28, and the cooler was returned operable at 1635 hours on September 29, 1983. Any further corrective actions with respect to the Containment Fan Coolers will be reported as a supplement to LER-83-014.

1	5	E	0	7	8	N/A	A	Operator Observation	
7	8	9	10	11	12	13	14	15	
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
28		29		30		31		32	
ACTIVITY CONTENT		RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE			
33		34		35		36			
PERSONNEL EXPOSURES		PERSONNEL INJURIES		LOSS OF OR DAMAGE TO FACILITY		PUBLICATION			
NUMBER		NUMBER		TYPE		DESCRIPTION			
37		38		39		40			
0 0 0		0 0 0		Z		N/A			
7		8		9		10		11	
PERSONNEL EXPOSURES		PERSONNEL INJURIES		LOSS OF OR DAMAGE TO FACILITY		PUBLICATION			
NUMBER		NUMBER		TYPE		DESCRIPTION			
40		41		42		43			
0 0 0		0 0 0		Z		N/A			
7		8		9		10		11	
LOSS OF OR DAMAGE TO FACILITY		PUBLICATION		ISSUED		DESCRIPTION			
42		43		44		45			
Z		N/A		N		8310170541 831010			
7		8		9		10		11	
PUBLICATION		ISSUED		DESCRIPTION		PDR ADOCK 05000261			
44		45		46		47			
2 0		N		N/A		S			
7		8		9		10		11	

NAME OF PREPARER Carson L. Wright

NRC USE ONLY
PHONE: (803) 383-4524

SUPPLEMENTAL INFORMATION
FOR
LICENSEE EVENT REPORT 83-025

I. Cause Description and Analysis

On September 26, 1983, at 1452 hours, with the unit at 78% power, a service water leak was discovered on Containment Fan Cooler HVH-2. The service water to and from the fan cooler was isolated, and HVH-2 was declared inoperable at 1601 hours. HVH-2 was returned operable at 0630 hours on September 27, 1983. On September 28, 1983, at 2230 hours, another service water leak was discovered on HVH-2. The service water to and from the fan cooler was isolated, and HVH-2 was declared inoperable at 2244 hours on September 28, 1983. These failures are attributed to corrosion/erosion of the cooler tubing.

These events are considered a degradation of a containment boundary pursuant to IE Bulletin 80-24 and are reported in accordance with Plant Technical Specification 6.9.2.a.3. The cooling requirements of the containment were maintained; thus, there was no threat to the public health and safety.

II. Corrective Action

As stated above, service water to and from HVH-2 was isolated, thereby re-establishing containment integrity. Also, in accordance with Technical Specification 3.3.2.2.a, operability testing of the Containment Spray Pumps was completed at 1735 hours on September 26, 1983, and at 0230 hours on September 29, 1983. The defective tube bundle was repaired using a ceramic sealant material, and HVH-2 was declared operable at 0630 hours on September 27, 1983. On September 28, 1983, one bank or one sixth (1/6) of the defective tube bundle was blank flanged to isolate the leak. The HVH cooling requirements are maintained with this bank of coolers isolated. HVH-2 was declared operable at 1635 hours on September 29, 1983.

III. Corrective Action to Prevent Recurrence

As stated in LER-83-003, a complete review of the Service Water System has been initiated. Also, as stated in LER-83-014, an investigation into the availability of a more corrosion resistant cooler tubing material has been initiated.

Any further corrective actions resulting from these efforts, with respect to the Containment Fan Coolers, will be submitted as a supplement to LER-83-014.

CP&L

USNRC
ATI
Carolina Power & Light Company

H. B. ROBINSON STEAM ELECTRIC PLANT
POST OFFICE BOX 790
HARTSVILLE, SOUTH CAROLINA 29550

OCT 10 1983

Robinson File No: 13510C

Serial: RSEP/83-1269

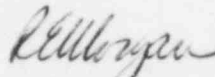
Mr. James P. O'Reilly
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N. W., Suite 3100
Atlanta, Georgia 30303

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 83-025

Dear Mr. O'Reilly:

In accordance with Section 6.9.2 of the Technical Specifications for the H. B. Robinson Steam Electric Plant, Unit 2, the enclosed Licensee Event Report is submitted. This report fulfills the requirements for a written report within fourteen (14) days of a reportable occurrence and is in accordance with the format set forth in NUREG-0161, July, 1977. This report discusses two (2) similar events. The first on September 26 and 27, 1983, and the second on September 28 and 29, 1983.

Very truly yours,



R. E. Morgan
General Manager
H. B. Robinson SEG Plant

CLW/bss

Enclosure

cc: R. C. DeYoung (40)
R. A. Hartfield (3)
INPO (1)

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