

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL

50-261

REC: OREILLY J P  
NRC

ORG: BANKS H R  
CAROLINA PWR & LIGHT

DOCDATE: 02/03/78  
DATE RCVD: 02/07/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED  
LTR 1 ENCL 1

SUBJECT:  
LICENSEE EVENT REPORT 78-1 ON 1/4/78 CONCERNING FAILURE OF INLET  
SERVICE WATER VALVE (V6-33C) TO HVH-3, CONTAINMENT FAN COOLER UNIT.

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XEF  
DISTRIBUTOR INITIAL:

\*\*\*\*\* DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS \*\*\*\*\*

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BRANCH CHIEF REID\*\*W/4 ENCL

INTERNAL:

REG FILE\*\*W/ENCL  
I & E\*\*W/2 ENCL  
SCHROEDER/IPPOLITO\*\*W/ENCL  
NOVAK/CHECK\*\*W/ENCL  
KNIGHT\*\*W/ENCL  
HANAUER\*\*W/ENCL  
EISENHUT\*\*W/ENCL  
SHAO\*\*W/ENCL  
KREGER/J. COLLINS\*\*W/ENCL  
L. CROCKER\*\*W/ENCL

NRC PDR\*\*W/ENCL  
MIPC\*\*W/3 ENCL  
HOUSTON\*\*W/ENCL  
GRIMES\*\*W/ENCL  
BUTLER\*\*W/ENCL  
TEDESCO\*\*W/ENCL  
BAER\*\*W/ENCL  
VOLLMER/BUNCH\*\*W/ENCL  
ROSA\*\*W/ENCL

EXTERNAL:

LPDR'S  
HARTSVILLE, SC\*\*W/ENCL  
TIC\*\*W/ENCL  
NSIC\*\*W/ENCL  
ACRS CAT B\*\*W/16 ENCL

DISTRIBUTION: LTR 45 ENCL 45  
SIZE: 1P+3P

CONTROL NBR: 780390005

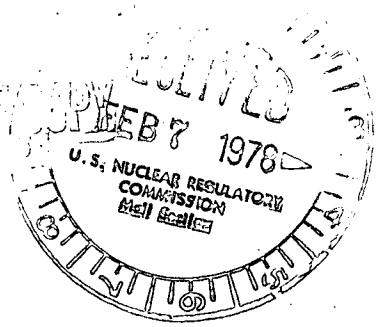
\*\*\*\*\* THE END \*\*\*\*\*

aoq



Carolina Power & Light Company

February 3, 1978



FILE: NG-3516 (R)

SERIAL: GD-78-299

Mr. James P. O'Reilly, Director  
U. S. Nuclear Regulatory Commission  
Region II, Suite 1217  
230 Peachtree Street, N.W.  
Atlanta, Georgia 30303

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET 50-261  
LICENSE NO. DPR-23  
LICENSEE EVENT REPORT 78-1

Dear Mr. O'Reilly:

In accordance with Section 6.9.2.b of the Technical Specifications for the H. B. Robinson Steam Electric Plant, Unit 2, the attached Licensee Event Report is submitted. This report fulfills the requirement for a written report within thirty (30) days of a reportable occurrence and is in accordance with the format set forth in Regulatory Guide 1.16, Revision 4.

Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

DCS:tme\*

Attachment

cc: Messrs. W. G. McDonald  
E. Volgenau

780390005

A002/S  
0/1

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME <span style="border: 1px solid black; padding: 2px;">01</span> <span style="border: 1px solid black; padding: 2px;">S</span> <span style="border: 1px solid black; padding: 2px;">C</span> <span style="border: 1px solid black; padding: 2px;">H</span> <span style="border: 1px solid black; padding: 2px;">B</span> <span style="border: 1px solid black; padding: 2px;">R</span> <span style="border: 1px solid black; padding: 2px;">2</span>										LICENSE NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>										LICENSE TYPE <span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">0</span>					EVENT TYPE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">3</span>	
7		8		9		14		15		25		26		30		31		32								
CATEGORY <span style="border: 1px solid black; padding: 2px;">01</span> <span style="border: 1px solid black; padding: 2px;">CON'T</span>		REPORT TYPE <span style="border: 1px solid black; padding: 2px;">L</span>		REPORT SOURCE <span style="border: 1px solid black; padding: 2px;">L</span>		DOCKET NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">5</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">6</span> <span style="border: 1px solid black; padding: 2px;">1</span>										EVENT DATE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">8</span>					REPORT DATE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">8</span>					
7		8		9		57		58		59		60		61		68		69		74		75		80		

EVENT DESCRIPTION

<span style="border: 1px solid black; padding: 2px;">02</span> On January 4, 1978 at 1350 hours during performance of PT 10.1A, the inlet service																								789	80
<span style="border: 1px solid black; padding: 2px;">03</span> water valve, V6-33C, to the HVH-3 unit failed to function properly. The HVH-3 unit																								789	80
<span style="border: 1px solid black; padding: 2px;">04</span> was declared out of service which constitutes a reportable occurrence in accordance																								789	80
<span style="border: 1px solid black; padding: 2px;">05</span> with Paragraph 6.9.2.b.2 of the Technical Specifications. (HBR2 RO-78-1)																								789	80
<span style="border: 1px solid black; padding: 2px;">06</span>																								789	80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION			
<span style="border: 1px solid black; padding: 2px;">W</span> <span style="border: 1px solid black; padding: 2px;">A</span>		<span style="border: 1px solid black; padding: 2px;">B</span>		<span style="border: 1px solid black; padding: 2px;">V</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">V</span> <span style="border: 1px solid black; padding: 2px;">O</span> <span style="border: 1px solid black; padding: 2px;">P</span>				<span style="border: 1px solid black; padding: 2px;">N</span>		<span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>				<span style="border: 1px solid black; padding: 2px;">N</span>			
78910		11		12				43		44				47		48	

CAUSE DESCRIPTION

<span style="border: 1px solid black; padding: 2px;">08</span> The torque switch on the limitorque operated valve V6-33C would not function properly																								789	80
<span style="border: 1px solid black; padding: 2px;">09</span> due to a tube fitting protruding through the end plate on the valve operator which																								789	80
<span style="border: 1px solid black; padding: 2px;">10</span> limited the torque shaft to partial travel.																								789	80

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION									
<span style="border: 1px solid black; padding: 2px;">E</span>		<span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>		NA				<span style="border: 1px solid black; padding: 2px;">B</span>		NA									
789		10		12				44		45									

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY				LOCATION OF RELEASE									
<span style="border: 1px solid black; padding: 2px;">Z</span>		<span style="border: 1px solid black; padding: 2px;">Z</span>		NA				NA									
789		10		11				44									

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION									
<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>		<span style="border: 1px solid black; padding: 2px;">Z</span>		NA									
789		11		12									

PERSONNEL INJURIES

NUMBER		DESCRIPTION									
<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>		NA									
789		11									

OFFSITE CONSEQUENCES

<span style="border: 1px solid black; padding: 2px;">15</span> NA																								789	80
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LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION									
<span style="border: 1px solid black; padding: 2px;">Z</span>		NA									
789		10									

PUBLICITY

<span style="border: 1px solid black; padding: 2px;">17</span> NA																								789	80
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----	----

ADDITIONAL FACTORS

<span style="border: 1px solid black; padding: 2px;">18</span> NA																								789	80
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----	----

<span style="border: 1px solid black; padding: 2px;">19</span>																								789	80
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----	----

NAME: R. B. Starkey, Jr.

*[Signature]*

PHONE: (803) 332-1351

Supplementary Information for  
Reportable Occurrence 78-1

1. Report No.: 50-261/78-1
- 2a. Report Date: January 30, 1978
- 2b. Occurrence Date: January 4, 1978
3. Facility: H. B. Robinson Unit No. 2  
Hartsville, South Carolina 29550
4. Identification of Occurrence:

On January 4, 1978 at 1350 hours during performance of a periodic test (PT 10.1A), the inlet service water valve (V6-33C) to HVH-3, Containment Fan Cooler Unit, failed to function properly. The HVH-3 unit was declared out of service which constitutes a reportable occurrence in accordance with Paragraph 6.9.2.b.2 of the Technical Specifications.

5. Conditions Prior to Occurrence:

No unusual conditions prevailed prior to the occurrence and the unit was operating at steady state conditions and 100% power level.

6. Description of Occurrence:

On January 4, 1978 at 1350 hours during the performance of periodic test (PT 10.1A), the inlet service water valve (V6-33C) to the HVH-3 unit, Containment Fan Cooler Unit, failed to open. The HVH-3 unit was placed out of service due to the malfunction of the valve. V6-33C was repaired and put back in service at 2315 hours on January 4, 1978.

7. Designation of Apparent Cause of Occurrence:

The cause of the occurrence was improper operation of the torque switch on the limitorque operated valve V6-33C. A tube fitting protruding through the end plate on the valve operator, which is designed to prevent hydraulic lock of the operator, limited the torque shaft to partial travel.

8. Analysis of Occurrence:

The remaining three HVH units were operating normally at the time of the occurrence, and the HVH-3 unit was returned to service within the time period allowed by Technical Specifications. Therefore, no adverse effects to plant operation or to public health and safety occurred.

Supplementary Information for

Reportable Occurrence 78-1

Page 2

9. Corrective Action:

The tube fitting on the limitorque operated valve, V6-33C, was shortened such that it would not interfere with the valve's torque shaft travel. In addition, all other limitorque valves with the same tubing arrangement will be inspected to insure that this problem does not exist elsewhere.

10. Failure Data:

No previous events of this nature have occurred.

RECEIVED DOCUMENT  
CONTROL DESK

1978 FEB 7 PM 12 13

U.S. NRC  
DISTRIBUTION SERVICES  
BRANCH