

50-261

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO:

Mr. Norman C. Moseley

FROM:

Carolina Power & Light Company  
Raleigh, North Carolina  
H. R. Banks

DATE OF DOCUMENT

10/7/76

DATE RECEIVED

10/29/76

☒ LETTER  
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☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED  
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## DESCRIPTION

Ltr. trans the following:

ACKNOWLEDGED

DO NOT REMOVE

(1-P)

PLANT NAME:

H. B. Robinson Unit No. 2

## ENCLOSURE

Licensee Event Report (RO 50-261/76-17) on  
9/8/76 concerning emergency dampers failing  
to function properly during performance of a  
periodic test (PT-10) on HVH-4, Containment  
Fan Cooler Unit.

(3-P)

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED  
SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

11/2/76

RJL

☒ BRANCH CHIEF: Reid☐ W/3 CYS FOR ACTION☒ LIC. ASST.: Ingram☐ W/ CYS☒ ACRS 16 CYS HOLDING/SENT TO ~~TA~~ CAT. B. (11/2/76)

## INTERNAL DISTRIBUTION

☒ REG FILE☒ NRC PDR☒ I & E (2)☒ MIPC☒ SCHROEDER/IPPOLITO☒ HOUSTON☒ NOVAK/CHECK☒ GRIMES☒ CASE☒ BUTLER☒ HANAUER☒ TEDESCO/MACCARY☒ EISENHUT☒ HAER☒ CHAO☒ VOLLMER/HUNCH☒ KREGER/J. COLLINS

## EXTERNAL DISTRIBUTION

☒ LPR: Minneapolis, Minn.☒ TIC:☒ NJIC:

CONTROL NUMBER

10916



Carolina Power & Light Company

October 7, 1976

FILE: NG-3513 (R)

SERIAL: NG-76-1325

Mr. Norman C. Moseley, Director  
U.S. Nuclear Regulatory Commission  
Region II, Suite 818  
230 Peachtree Street, N.W.  
Atlanta, Georgia 30303


Dear Mr. Moseley:

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET 50-261  
LICENSE NO. DPR-23  
LICENSEE EVENT REPORT 76-17



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.

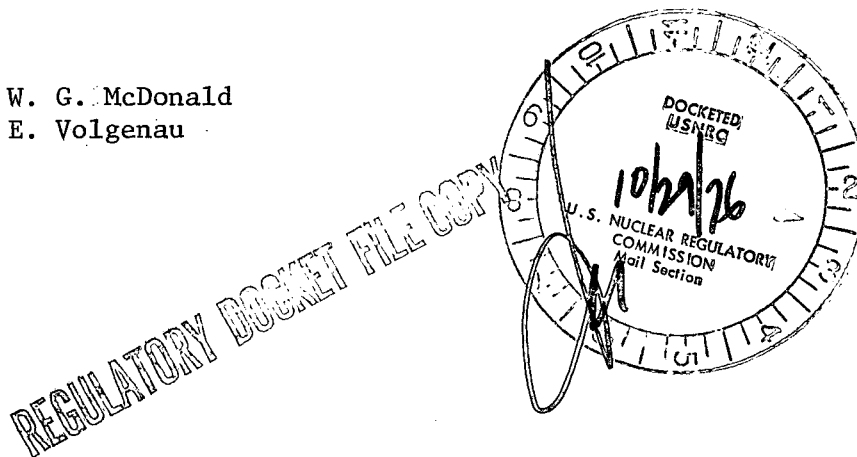
Yours very truly,

*for*   
H. R. Banks  
Manager  
Nuclear Generation

CSB:dmc

Attachment

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



10916

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1         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>
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CATEGORY <span style="border: 1px solid black; padding: 2px;">01</span> CONT	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;">9</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">8</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">6</span>	REPORT DATE <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> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">6</span>
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## EVENT DESCRIPTION

02 During performance of a periodic test (PT-10) on HVH-4, Containment Fan Cooler Unit,

03 the normal and emergency dampers failed to function properly. The three remaining

04 HVH units were operating properly. This was a violation of Technical Specifications,

05 Paragraph 3.3.2, and constituted a reportable occurrence by Paragraph 6.9.2.b.2.

06

SYSTEM CODE <span style="border: 1px solid black; padding: 2px;">07</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">A</span>	CAUSE CODE <span style="border: 1px solid black; padding: 2px;">E</span>	COMPONENT CODE <span style="border: 1px solid black; padding: 2px;">H</span> <span style="border: 1px solid black; padding: 2px;">V</span> <span style="border: 1px solid black; padding: 2px;">H</span> <span style="border: 1px solid black; padding: 2px;">F</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">N</span>	PRIME COMPONENT SUPPLIER <span style="border: 1px solid black; padding: 2px;">N</span>	COMPONENT MANUFACTURER <span style="border: 1px solid black; padding: 2px;">W</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">0</span>	VIOLATION <span style="border: 1px solid black; padding: 2px;">Y</span>
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## CAUSE DESCRIPTION

08 The occurrence resulted from improper alignment of the linkage arm to the normal

09 damper and from foreign material being in the air cylinder portion of the solenoid

10 valve which operates the emergency damper.

FACILITY STATUS <span style="border: 1px solid black; padding: 2px;">11</span> <span style="border: 1px solid black; padding: 2px;">E</span>	% POWER <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>	OTHER STATUS NA	METHOD OF DISCOVERY <span style="border: 1px solid black; padding: 2px;">B</span>	DISCOVERY DESCRIPTION PERIODIC TEST
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FORM OF ACTIVITY RELEASED <span style="border: 1px solid black; padding: 2px;">12</span> <span style="border: 1px solid black; padding: 2px;">Z</span>	CONTENT OF RELEASE <span style="border: 1px solid black; padding: 2px;">Z</span>	AMOUNT OF ACTIVITY NA	LOCATION OF RELEASE NA
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## PERSONNEL EXPOSURES

NUMBER <span style="border: 1px solid black; padding: 2px;">13</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>	TYPE <span style="border: 1px solid black; padding: 2px;">Z</span>	DESCRIPTION NA
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## PERSONNEL INJURIES

NUMBER <span style="border: 1px solid black; padding: 2px;">14</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>	DESCRIPTION NA
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## OFFSITE CONSEQUENCES

15 NA

## LOSS OR DAMAGE TO FACILITY

TYPE <span style="border: 1px solid black; padding: 2px;">16</span> <span style="border: 1px solid black; padding: 2px;">Z</span>	DESCRIPTION NA
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## PUBLICITY

17 NA

## ADDITIONAL FACTORS

18 NA

19

NAME: J. B. McGirt

PHONE: (803) 332-1351

Supplementary Information for  
Reportable Occurrence 76-17

1. Report No: 50-261/76-17
- 2a. Report Date: September 28, 1976
- 2b. Occurrence Date: September 8, 1976
3. Facility: H. B. Robinson Unit No. 2  
Hartsville, South Carolina 29550
4. Identification of Occurrence:

On September 8, 1976, during performance of a periodic test (PT-10) on HVH-4, Containment Fan Cooler Unit, the normal and emergency dampers failed to function properly. This is a violation of Paragraph 3.3.2 of the Technical Specifications and constitutes a reportable occurrence in accordance with Technical Specification Paragraph 6.9.2.b.2.

5. Conditions Prior to Occurrence:

No unusual conditions prevailed prior to the occurrence. The No. 2 Plant was operating at steady state conditions and 100% power level.

6. Description of Occurrence:

During performance of a periodic test (PT-10) on HVH-4, Containment Fan Cooler Unit, the normal and emergency dampers failed to function properly. The emergency damper failed to function due to binding of the 3-way solenoid valve which actuates the damper. Foreign material was found in the air cylinder portion of the solenoid valve. The normal damper failed to function due to overtravel of its control linkage arm to the operating air cylinder. This prevented the damper from closing by spring action when air was vented from the air cylinder.

7. Designation of Apparent Cause of Occurrence:

The occurrence came from improper alignment in the linkage arm which operated the normal inlet damper and from foreign material being in the air cylinder portion of the solenoid valve for operating the emergency inlet damper.

8. Analysis of Occurrence

The remaining three HVH units were operating normally at the time of the occurrence. The HVH-4 damper problems were eliminated and returned to service. Corrective action was considered adequate to prevent subsequent occurrences.

9. Corrective Action:

The HVH-4 normal inlet damper problem was eliminated by installing a mechanical stop on its linkage arm and the other three HVH units planned for similar action. The emergency damper problem was eliminated by cleaning and lubricating the air cylinder portion of the solenoid valve. The HVH-4 unit was then returned to normal operating service.

10. Failure Data:

A failure of HVH-4, containment fan cooler unit, normal and emergency dampers had occurred March 3, 1976 and was reported as a Licensee Event Report 50-261/76-5.