

2007/48

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-261

REC: OREILLY J P
NRC

ORG: BANKS H R
CAROLINA PWR & LIGHT

DOCDATE: 07/31/78
DATE RCVD: 08/04/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 1

SUBJECT:
FORWARDING LICENSEE EVENT REPT (RO 50-261/78-017) ON 07/02/78 CONCERNING
ENGINE DRIVEN FIRE WATER PUMP FAILED TO START DURING PERIODIC TESTING DUE TO
A CORROSION ON THE CONTACTS OF THE DISTRIBUTOR CAP... W/ATT.

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: DL

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

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF ORB#1 BC**W/4 ENCL

INTERNAL:

REG FILE**W/ENCL

I & E**W/2 ENCL

I & C SYSTEMS BR**W/ENCL

NOVAK/CHECK**W/ENCL

AD FOR ENG**W/ENCL

HANAUER**W/ENCL

AD FOR SYS & PROJ**W/ENCL

ENGINEERING BR**W/ENCL

KREGER/J. COLLINS**W/ENCL

K SEYFRIT/IE**W/ENCL

NRC PDR**W/ENCL

MIPC**W/3 ENCL

EMERGENCY PLAN BR**W/ENCL

EEB**W/ENCL

PLANT SYSTEMS BR**W/ENCL

AD FOR PLANT SYSTEMS**W/ENCL

REACTOR SAFETY BR**W/ENCL

VOLLMER/BUNCH**W/ENCL

POWER SYS BR**W/ENCL

EXTERNAL:

LPDR'S

HARTSVILLE, SC**W/ENCL

TIC, LIZ CARTER**W/ENCL

NSIC**W/ENCL

ACRS CAT B**W/16 ENCL

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

CONTROL NBR: 782160025

***** THE END *****

APY

Go



Carolina Power & Light Company

July 31, 1978

REGULATORY DOCKET FILE COPY

FILE: NG-3516 (R)

SERIAL: GD-78-2011

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

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 78-017

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 NUREG-0161, July, 1977.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

DCS:tme*

Attachment

cc: Messrs. R. A. Hartfield
E. Volgenau

782160025

A002
5/11

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

CON'T

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 At 0808 on July 2, 1978, the Engine Driven Fire Water Pump failed to start during
0 3 periodic testing resulting in operation in a degraded mode permitted by Technical
0 4 Specifications Paragraph 3.14.2.2. The Motor Driven Fire Water Pump was operable
0 5 during the period that the Engine Driven Fire Water Pump was out of service. This
0 6 constitutes a reportable occurrence per Technical Specification Paragraph 6.9.2.b.2.
0 7
0 8
0 9

0 8 9

0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
A B 11 E 12 D 13 E N G I N E 14 Z 15 Z 16
9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
7 8 0 1 7 0 3 L 0
21 22 23 24 26 27 28 29 30 31 32

ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
B 18 Z 19 Z 20 Z 21 0 0 0 0 Y 23 N 24 A 25 W 0 5 9 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The Engine Driven Fire Water Pump failed to start due to corrosion on the contacts
1 1 of the distributor cap. The corrosion was removed and the unit was returned to
1 2 service at 1405 on July 5, 1978.
1 3
1 4

1 5 FACILITY STATUS % POWER OTHER STATUS 30 METHOD OF DISCOVERY DISCOVERY DESCRIPTION 32
E 28 1 0 0 29 NA B 31 Operator Observation
7 8 9 10 12 13 44 45 46 80

1 6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
Z 33 Z 34 NA
7 8 9 10 11 44 45 80

1 7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39
0 0 0 37 Z 38 NA
7 8 9 10 11 12 13 80

1 8 PERSONNEL INJURIES NUMBER DESCRIPTION 41
0 0 0 40 NA
7 8 9 10 11 12 80

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43
Z 42 NA
7 8 9 10 80

2 0 PUBLICITY ISSUED DESCRIPTION 45
N 44 NA
7 8 9 10 68 69 80

NAME OF PREPARER R. B. Starkey, Jr.

PHONE: (803) 332-1351

SUPPLEMENTAL INFORMATION FOR
LICENSEE EVENT REPORT 78-17

1. Report No: 50-261/78-17
- 2a. Report Date:
- 2b. Occurrence Date: July 2, 1978
3. Facility: H. B. Robinson SEG Plant, Hartsville, South Carolina 29550.
4. Identification of Occurrence: While performing a periodic test of the Engine Driven Fire Water Pump (EDFP), the engine failed to start. This resulted in operation in a degraded mode permitted by Technical Specification 3.14.2.2 and is reportable in accordance with Technical Specification 6.9.2.b.2.
5. Conditions Prior to Occurrence: The plant was operating at 100% reactor power with the Auxiliary Operator (A.O.) weekly checks in progress. The A. O. was attempting to start the EDFP.
6. Description of Occurrence: At 0808 on July 2, 1978, the A. O. was attempting to start the EDFP. Repeated attempts were unsuccessful to achieve combustion in the engine. The failure was reported for repair via Nuclear Plant Equipment Trouble and Work Report No. 2180.
7. Designation of Apparent Cause of Occurrence: Maintenance personnel inspected the ignition system in order to determine the precise cause of the engine's failure to start. It was determined that the distributor cap had corrosion on the contacts which prevented the spark plugs from firing. This corrosion was removed and the engine started satisfactorily.
8. Analysis of Occurrence: The EDFP is an equal capacity (2500 gpm) backup to the Motor Driven Fire Water Pump (MDFP). During the time the EDFP was out of service, the MDFP was operable. This failure therefore did not jeopardize the capability of the system to provide its water suppression function.
9. Corrective Action: The corrosion was removed from the distributor cap contacts and the EDFP was test run satisfactorily by Operations personnel. The EDFP was returned to service at 1405 on July 5, 1978. To prevent further corrosion buildup, the ignition system will be inspected as part of a refueling outage interval inspection.
10. Failure Data: No failure data of this type has been recorded.