

D 09/26/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-261

REC: OREILLY J P
NRC

ORG: FURR B J
CAROLINA PWR & LIGHT

DOCDATE: 09/20/78
DATE RCVD: 09/25/78

DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED
SUBJECT: LTR 1 ENCL 1
FORWARDING LICENSEE EVENT REPT (RO 50-261/78-019) ON 08/21/78 CONCERNING THE
TAVE AND DELTA T TEMPERATURES FOR LOOP 3 WERE DRIFTING LOW DUE TO THE FAILING
OF A HOT RESISTANCE TEMPERATURE DEVICE...W/ATT.

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: RTW

***** 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
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 44 ENCL 44
SIZE: 1P+1P+1P

CONTROL NBR: 780810271

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

A104
cep



Carolina Power & Light Company

September 20, 1978

REGULATORY DOCKET FILE COPY

FILE: NG-3516 (R)

SERIAL: GD-78-2524

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

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET 50-261
LICENSE NO. DPR-23
LICENSEE EVENT REPORT 78-019

SEP 20 1978
REGULATORY SERVICES
NRC

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,

B. J. Furr
Manager
Generation Department

DCS:dcj*

Attachment

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

780810271

1002
3/1

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

CON'T

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 The indicated Tave and Delta T Temperatures for loop 3 were observed by the
03 Control Operator to be drifting low. The loop-3 T-Hot RTD was found to be faulty
04 and the channel was placed in the tripped position. The temperature channels
05 for loops 1 and 2 were functioning properly. This event resulted in operation while
06 not meeting the requirements of minimum degree of redundancy as stated in Table 3.5.2
07 of Technical Specifications until the failing channel was placed in the tripped mode
08 which is reportable under Section 6.9.2.b.1.

09		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE						COMP. SUBCODE		VALVE SUBCODE	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
		I	A	E	E	I	N	S	T	R	U	E	Z				
LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.							
17	21	22	23	24	26	27	28	29	30	31	32						
	7	8	—	0	1	9	0	3	L	—	0						
ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS		ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER						
33	34	35	36	37	40	41	42	43	44	47							
C	C	Z	Z	0	0	0	0	Y	Y	X	R	3	6	9	20		

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The Tave and Delta T Temperatures for loop 3 were drifting low due to the failing

1 1 | of a hot leg Resistance Temperature Device (RTD). The spare hot leg RTD was

1 2 | placed in service.

1 3 |

1 4 |

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

FACILITY STATUS (28) % POWER (29) OTHER STATUS (30) METHOD OF DISCOVERY (31) DISCOVERY DESCRIPTION (32)

1 5 E 1 0 0 NA A OPERATOR OBSERVATION

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

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 Z 33 Z 34 NA NA

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

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)

1 7 0 0 0 37 Z 38 NA

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

PERSONNEL INJURIES NUMBER DESCRIPTION (41)

1 8 0 0 0 40 NA

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

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)

1 9 Z 42 NA

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

PUBLICITY ISSUED DESCRIPTION (45)

2 0 N 44 NA

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

NRC USE ONLY

NAME OF PREPARER R. B. Starkey, Jr.

PHONE: (803) 332-1351

SUPPLEMENTAL INFORMATION FOR
LICENSEE EVENT REPORT 78-19

1. Cause Description and Analysis

On August 21, 1978, the Tave and Delta T temperatures for loop 3 were observed by the Control Room Operator to be drifting low. The controls for loop 3 were placed in the tripped position. The cause of the problem was found to be a failing Resistance Temperature Device (RTD) in loop 3 hot leg. Loops 1 and 2 controls were functioning properly throughout this event.

2. Corrective Action

The hot leg RTD (TE-432B) was removed from the control loop and the spare RTD was wired in. The defective RTD will be renewed during a future outage and wired back into the control loop.

3. Corrective Action To Prevent Further Non-Compliance

This event was caused by the failure of a temperature sensor which was monitored at the isothermal condition during startup and proved to be operating normally. There is no other test that will reveal a pending failure of this type. Therefore, no additional corrective action is considered warranted.