

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8103190384 DOC. DATE: 81/03/16 NOTARIZED: NO DOCKET #
 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 AUTH. NAME AUTHOR AFFILIATION
 STARKEY, R. B. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Region 2, Atlanta, Office of the Director

SUBJECT: LER 80-008/03L-1: on 800406, pressure transmitter failed to full output during normal operation. Cause undetermined because instrument was returned to normal operation before thorough investigation. Investigation closed.

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 TITLE: Incident Reports

NOTES:

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	VARGA, S.	04	3	3				
INTERNAL:	A/D COMP&STRU06		1	1	A/D ENV TECH 07		1	1
	A/D MATL & QU08		1	1	A/D OP REACT009		1	1
	A/D PLANT SYS10		1	1	A/D RAD PROT 11		1	1
	A/D SFTY ASSE12		1	1	ACC EVAL BR 14		1	1
	AEOD		3	3	ASLBP/J. HARD		1	1
	AUX SYS BR 15		1	1	CHEM ENG BR 16		1	1
	CONT SYS BR 17		1	1	CORE PERF BR 18		1	1
	DIR, ENGINEER120		1	1	DIR, HUM FAC S21		1	1
	DIR, SYS INTEG22		1	1	EFF TR SYS BR23		1	1
	EQUIP QUAL BR25		1	1	GEOSCIENCES 26		1	1
	I&C SYS BR 29		1	1	I&E 05		2	2
	JORDAN, E./IE		1	1	LIC GUID BR 30		1	1
	MATL ENG BR 32		1	1	MECH ENG BR 33		1	1
	MPA		3	3	NRC PDR 02		1	1
	OP EX EVAL BR34		3	3	OR ASSESS BR 35		1	1
	POWER SYS BR 36		1	1	RAD ASSESS BR39		1	1
	REACT SYS BR 40		1	1	<u>REG FILE</u> 01		1	1
	REL & RISK A 41		1	1	SFTY PROG EVA42		1	1
	STRUCT ENG BR44		1	1	SYS INTERAC B45		1	1
EXTERNAL:	ACRS	46	16	16	LPDR	03	1	1
	NSIC	05	1	1				

REAR 2 1987

7/1

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1
7	8

REPORT SOURCE L 6 0 5 0 0 0 2 6 1 7 0 4 0 6 8 0 8

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	1	2	3	4	5	6	7	8	9
0	2								
0	3								
0	4								
0	5								
0	6								
0	7								
0	8								

SYSTEM CODE I B 11		CAUSE CODE E 12		CAUSE SUBCODE X 13		COMPONENT CODE I N S T R U 14				COMP. SUBCODE T 15		VALVE SUBCODE Z 16					
EVENT YEAR 8 0 22		SEQUENTIAL REPORT NO. 0 0 8 26		OCCURRENCE CODE 0 3 29		REPORT TYPE L 30		REVISION NO. 1 32									
ACTION TAKEN X 18		FUTURE ACTION X 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 22		ATTACHMENT SUBMITTED Y 23		NPRD-4 FORM SUB. Y 24		PRIME COMP. SUPPLIER N 25		COMPONENT MANUFACTURER R 3 6 9 26	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1	0	
1	1	
1	2	
1	3	
1	4	

7 8 9
 FACILITY STATUS (1) (5) (E) (28) % POWER (0) (9) (3) (29) OTHER STATUS (30) N/A METHOD OF DISCOVERY (A) (31) DISCOVERY DESCRIPTION (32) 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
 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) N/A LOCATION OF RELEASE (36) N/A
 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
 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) N/A
 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
 PERSONNEL INJURIES NUMBER DESCRIPTION (41) N/A
 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
 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43) N/A
 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
 PUBLICITY ISSUED DESCRIPTION (45) 8108190384 N/A
 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
 NRC USE ONLY

NAME OF PREPARER

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Item 10

During normal operation on April 6, 1980, at 0944 hours, pressure transmitter 495 (PT-495), which is one of three monitoring steam generator "C", failed to full output. This instrument feeds the SI initiating logic for "C" Hi Steam Line Differential Pressure. This mode of failure blocks the input from PT-495, which results in operation with less than the required degree of redundancy as stated in Table 3.5-3 of the Technical Specifications and is reportable under Section 6.9.2.b.1. The bistables of this loop were manually operated to return to the required degree of redundancy.

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The cause of this event was not determined due to the instrument resuming normal operation before it could be thoroughly investigated by I & C personnel. A checkout of the instruments failed to duplicate the failure or find any condition which could have contributed to its failure. The instrument was closely monitored for a nine month period including a refueling calibration with no problems identified. Therefore, the instrument PT-495 will remain in service and the investigation closed.

SUPPLEMENTAL INFORMATION
FOR
LICENSEE EVENT REPORT 80-008

1. Cause Description and Analysis:

During normal operation on April 6, 1980, at 0944 hours, pressure transmitter 495 (PT-495), which is one of three monitoring steam generator "C", failed to full output. This type of failure mode blocks this input to the Safety Injection initiation logic for High Steam Line Differential Pressure. The event is contrary to the minimum degree of redundancy as stated in Table 3.5-3 of Technical Specifications and is reportable under Section 6.9.2.b.1. Another function of this instrument is to provide pressure compensation to one channel of steam flow for feedwater control on "C" Steam Generator. This failure caused a high flow rate on this control until the control operator placed the control in manual and switched to the other channel of steam flow which was operating normally. This resulted in a slight increase in "C" Steam Generator level but created no problems. The operator manually operated the trip bistables in the failed loop to restore the required degree of redundancy as per Table 3.5-3 of Technical Specifications.

2. Corrective Action:

The operator immediately put the "C" feedwater control on manual and switched to the channel of steam flow which was not affected. Then as quickly as practical, the Operating Work Procedures for this loop were implemented and the bistable switches for the failed pressure channel were placed in the trip position. The instrument resumed normal operation prior to any repair being made. Bistables were reset after Instrument and Control personnel tested the instrument at 1540 on April 7, 1980.

3. Corrective Action To Prevent Further Occurrence:

The cause of the upscale failure of PT-495 has not been determined due to the instrument resuming normal operation before Instrument and Control personnel could investigate. Although the instrument has been tested and monitored closely, the failure has not been duplicated nor has any condition been discovered which would have contributed to its failure.

This failure is very similar to the failure of PT-496 (LER-79-031). The instrument manufacturer investigated that failure without success. They were contacted on this current failure and agreed to furnish a replacement instrument for PT-495 so they could test it under laboratory conditions.

3. Corrective Action To Prevent Further Occurrence: (Continued)

Due to procurement difficulties, before a replacement unit was available, the instrument had worked satisfactorily for approximately nine months. It had also gone through a refueling calibration where no problems were identified. With this report the vendor decided that a lab test of this instrument would not be beneficial in determining the failure mode which occurred on April 6, 1980. Based on their recommendation and due to the nine months record of dependable operation, PT-495 was left in service. No further action will be taken concerning this failure.