

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 7905150548 DOC. DATE: 79/05/11 NOTARIZED: NO
 FACIL: 50-270 OCONEE NUCLEAR STATION, UNIT 2, DUKE POWER CO.
 AUTH. NAME WILSON, K.R. AUTHOR AFFILIATION DUKE POWER CO.
 RECIP. NAME REGION 2, ATLANTA, OFFICE OF THE DIRECTOR

DOCKET # 05000270

SUBJECT: LER 79-002/03L-0 ON 790412: PRESSURIZER SAMPLE VALVE 2RC-6
 FAILED TO CLOSE ON ACTUATION SIGNAL FROM ES ANALOG CHANNEL 5
 DURING MONTHLY PERFORMANCE TEST. CAUSED BY EITHER TORQUE
 LIMIT SWITCH FAULT OR SLIGHT MECHANICAL BINDING OF VALVE.

DISTRIBUTION CODE: A002S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2 + 1
 TITLE: INCIDENT REPORTS

NOTES: M CUNNINGHAM - All AMDTS TO FSAR + CHANGES TO TECH SPECS.

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTR	ENCL	ID CODE/NAME	LTR	ENCL
	05 BC ORB 4	4	4			
INTERNAL:	01 REG FILE	1	1	02 NRC PDR	1	1
	09 I&E	2	2	11 MPA	3	3
	14 TA/EDO	1	1	15 NOVAK/KNIEL	1	1
	16 EEB	1	1	17 AD FOR ENGR	1	1
	18 PLANT SYS BR	1	1	19 I&C SYS BR	1	1
	20 AD PLANT SYS	1	1	21 AD SYS/PROJ	1	1
	22 REAC SAFT BR	1	1	23 ENGR BR	1	1
	24 KREGER	1	1	25 PWR SYS BR	1	1
	26 AD/SITE ANAL	1	1	27 OPERA LIC BR	1	1
	28 ACCIDENT ANALYS	1	1	29 AUX SYS BR	1	1
	E JORDAN/IE	1	1			
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	29 ACRS	16	16			

004
CCP

MAY 17 1979

DUKE POWER COMPANY
OCONEE UNIT 2

Report Number: RO-270/79-2

Report Date: May 11, 1979

Occurrence Date: April 12, 1979

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: Pressurizer Sample Valve, 2RC-6, Inoperable

Conditions Prior to Occurrence: 100% Full Power

Description of Occurrence:

At 1333 on April 12, 1979, during the performance of monthly test procedure IP/O/A/0310/12-C (Engineered Safeguards (ES) Surveillance Test), Pressurizer Sample Valve 2RC-6, a containment isolation valve, failed to close when activated by ES Analog Channel 5 (Reactor Building isolation). Failure of this valve to properly actuate constituted operation in a degraded mode permitted by Technical Specification 3.6.3.b.1 as long as the valve is restored to operable status within four hours. The valve was tested by bypassing the over-torque limit switches and measuring motor current to determine if binding was occurring. There was no observed binding and the valve closed normally. The valve was cycled several more times to verify operability and was declared operable at approximately 1530. The inoperability period was within the limits of Technical Specification 3.6.3.b.1.

Apparent Cause of Occurrence:

This incident was caused by either slight mechanical binding of the valve or an improperly set torque limit switch.

Analysis of Occurrence:

Failure of containment isolation valve 2RC-6 to close on ES actuation constituted operation in a degraded mode which is permitted by Technical Specification 3.6.3.b. The valve was returned to operable status within the four hour inoperable time period allowed. Additionally, the redundant isolation valve 2RC-7 was verified operable and would have provided containment isolation of the pressurizer sample line, if required. It is considered that this incident did not affect the health and safety of the public.

Corrective Action:

Immediate corrective active action consisted of verifying that no mechanical binding existed and that the valve was operable.

In addition, this valve's torque switches will be inspected to verify proper settings and to check for defects. The overall valve condition will also be inspected. This inspection will be completed as soon as possible.

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: 1 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | S | C | N | E | E | 2 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

LICENSEE CODE 14 15 LICENSE NUMBER 25 28 LICENSE TYPE 30 57 CAT 58

CONT

01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 7 | 0 | 7 | 0 | 4 | 1 | 1 | 2 | 7 | 9 | 8 | 0 | 5 | 1 | 1 | 1 | 7 | 9 | 9

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | On April 12, 1979 the pressurizer sample valve 2RC-6 (a reactor building

03 | isolation valve), failed to close on actuation signal from ES Analog Channel 5,

04 | (building isolation) during a monthly performance test. The valve's torque

05 | limit switch was bypassed and the valve functioned properly. The valve was

06 | then retested normally several times and was declared operable. Building

07 | isolation could have established, if needed, by closure of the redundant valve,

08 | 2RC-7.

09

SYSTEM CODE S D 11 CAUSE CODE E 12 CAUSE SUBCODE X 13 COMPONENT CODE X X X X X X 14 COMP. SUBCODE X 15 VALVE SUBCODE X 16

LER/RO REPORT NUMBER 17 EVENT YEAR 7 9 SEQUENTIAL REPORT NO. 0 0 2 OCCURRENCE CODE 0 3 REPORT TYPE L REVISION NO. 0

ACTION TAKEN Z 18 FUTURE ACTION X 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 ATTACHMENT SUBMITTED Y 22 NPRO-4 FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER Z 9 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | The malfunction was either caused by a fault in the torque limit switch, the

11 | limit switch setting, or slight mechanical binding of the valve. An investi-

12 | gation will be carried out to ascertain the cause more clearly and appropriate

13 | corrective actions, if any, will be taken at that time. The valve was operated

14 | and retested several times without further malfunctions.

15 | E 28 | 1 | 0 | 0 | 29 | OTHER STATUS 30 | N/A | METHOD OF DISCOVERY 31 | malfunctioned during monthly test | DISCOVERY DESCRIPTION 32

16 | Z 33 | Z 34 | NA | AMOUNT OF ACTIVITY 35 | NA | LOCATION OF RELEASE 36

17 | 0 | 0 | 0 | 37 | Z 38 | NA | PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39

18 | 0 | 0 | 0 | 40 | NA | PERSONNEL INJURIES NUMBER DESCRIPTION 41

19 | Z 42 | NA | LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43

20 | N 44 | NA | PUBLICITY ISSUED DESCRIPTION 45

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