

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONT

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REPORT SOURCE

L	6	0	5	0	0	0	3	2	8	7	0	8	2	3	8	3	8	0	9	2	7	8	3	9
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60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

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7 8 9

(17) LER/RO REPORT NUMBER 83 — 114 / 03 L — 0

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTUR.			
A	18	X	19	Z	20	Z	21	Z	Z	Z	Z	Y	23	N	24	N	25	P	0	2	5
33		34		35		36		37			40	41		42		43		44			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (77)

1 0 The cause of pump head capacity degradation has been attributed to normal pump  
1 1 operation. The inability to balance flows has been attributed to the lower head  
1 2 capacity of the pumps. Westinghouse is presently reevaluating the SIS pump full  
1 3 flow head curve. The internals of both CCPs were replaced and retesting indicated  
1 4 one CCP was still unsatisfactory.

FACILITY STATUS		% POWER			OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
1	5	H	0	0	0	NA	B	Surveillance test		

8 9		10		12		13		44		45		46	
ACTIVITY CONTENT				AMOUNT OF ACTIVITY				LOCATION OF RELEASE					
RELEASED OF RELEASE													
1	6	2	33	2	34	NA				NA			

PERSONNEL EXPOSURES									
NUMBER			TYPE		DESCRIPTION				
1	7	0	0	0	17	Z	38	NA	

PERSONNEL INJURIES											
NUMBER				DESCRIPTION							
1	8	0	0	0	40	NA					

LOSS OF OR DAMAGE TO FACILITY  
TYPE DESCRIPTION (43)

9 8 9 10

Z (42) NA

8310030240 830921  
PDR ADOCK 05000328  
S PDR

IE22

ISSUED (44) DESCRIPTION (45) NA

Name of Preparer: G. B. Park /M. R. Harding Phone: (615) 870-6422

LER SUPPLEMENTAL INFORMATION

SQRO-50-328/83114

Technical Specification Involved: 3.5.2

Reported Under Technical Specification: 6.9.1.13.b

Date of Occurrence: 08/23/83

Time of Occurrence: 1200 CST

Identification and Description of Occurrence:

Performance of surveillance instruction (SI) 260, "SIS/BIT/RHR Injection Flow Balance, Pump Performance, and Check Valve Test," revealed the following:

1. Safety injection system (SIS) pump 2A failed to meet the minimum head curve requirements.
2. Both centrifugal charging pumps (CCP) failed to meet the minimum head curve requirements.
3. Inability to balance flow in either CCP boron injection tank (BIT) injection lines.
4. Cold leg SIS orifice flows out of adjustment.
5. CCP cold leg injection flows out of tolerance.

Conditions Prior to Occurrence:

Unit 2 in refueling outage with fuel unloaded from the core.

Apparent Cause of Occurrence:

The cause of degradation of head capacity of the pumps has been attributed to normal pump operation. The inability to balance CCP flow in BIT injection lines has been attributed to the lower head capacity of the pumps. The out-of-tolerance flow in the SIS pump injection lines was caused by valve maintenance concurrent with the test. The CCP cold leg injection lines flow out of tolerance has been attributed to the lower head capacity of the pumps and valve maintenance concurrent with the test.

Analysis of Occurrence:

This event was discovered during surveillance testing in a nonapplicable mode, but may have existed in a mode in which the equipment was required.

Corrective Action:

The SIS full flow head curve is presently undergoing a review by Westinghouse. The internals of both CCPs were replaced and pumps retested. One CCP passed and one CCP failed this retest. Discussions with Westinghouse are presently underway to resolve problems with the CCPs. The CCP injection lines will be properly balanced after resolution and correction of pump problems. The SIS injection line flow has been properly rebalanced.

Corrective Action (continued):

All testing and repair will be satisfactorily completed prior to entering mode 4. A followup LER will be submitted at a later date.

Failure Data:

None.

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
1750 Chestnut Street Tower II

USNRC REGION II  
ATLANTA, GEORGIA

September 21, 1983

83 SEP 28 A9:11

Mr. James P. O'Reilly, Director  
U.S. Nuclear Regulatory Commission  
Suite 2900  
101 Marietta Street, NW  
Atlanta, Georgia 30303

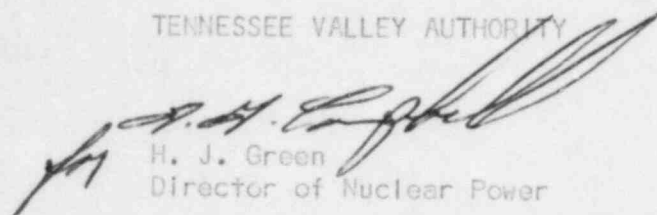
Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 2 - DOCKET  
NO. 50-328 - FACILITY OPERATING LICENSE DPR-79 - REPORTABLE OCCURRENCE  
REPORT 50-328/83114

The enclosed report provides details concerning one safety injection pump  
and two centrifugal charging pumps failing to meet surveillance require-  
ments. This report is submitted in accordance with Sequoyah unit 2  
Technical Specification 6.9.1.13.b.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



H. J. Green  
Director of Nuclear Power

Enclosure

cc (Enclosure):

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Washington, D.C. 20555

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Institute of Nuclear Power Operations  
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Atlanta, Georgia 30339

NRC Inspector, Sequoyah

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