

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 2947

FILE: INCIDENT REPORT FILE

FROM: Duke Power Company Charlotte, N.C. 28201 A.C. Thies			DATE OF DOC 3-12-75	DATE REC'D 3-17-75	LTR XX	TWX	RPT	OTHER
TO: Mr. Norman C. Moseley			ORIG 1 signed	CC	OTHER	SENT AEC PDR XX SENT LOCAL PDR XX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-270		
DESCRIPTION: Ltr trans the following:				ENCLOSURES: Abnormal Occurrence AO-50-270/7 75-2 on 2-6-75 re failure of emergency condenser cooling water valves CCW7 & CCW8..  (1 cy encl rec'd)				
PLANT NAME: Oconee Unit 2				<div style="text-align: right;"> <b>ACKNOWLEDGED</b>   <b>Do Not Remove</b> </div>				

## FOR ACTION/INFORMATION

DHL 3-18-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
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KNIEL (L) W/ Copies	<b>PURPLE (L)</b> W/3 Copies	YOUNGBLOOD (E) W/ Copies	

## INTERNAL DISTRIBUTION

<u>REG FILE</u>	TECH REVIEW	DENTON	LIC ASST	A/T IND
- NRC PDR	- SCHROEDER	** GRIMES	R. DIGGS (L)	BRAITMAN
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- GOSSICK/STAFF	- KNIGHT	- KASTNER	E. GOULBOURNE (L)	MELTZ
- CASE	- PAWLICKI	- BALLARD	P. KREUTZER (E)	
- GIAMBUSSO	- SHAO	- SPANGLER	J. LEE (L)	PLANS
- BOYD	** - STELLO		M. MAIGRET (L)	MCDONALD
- MOORE (L)	** - HOUSTON	ENVIRO	S. REED (E)	CHAPMAN
- DEYOUNG (L)	** - NOVAK	MULLER	M. SERVICE (L)	DUBE (Ltr)
- SKOVHOLT (L)	- ROSS	DICKER	<b>S. SHEPPARD (L)</b>	E. COUPE
- GOLLER (L) (Ltr)	- IPPOLITO	KNIGHTON	M. SLATER (E)	PETERSON
- P. COLLINS	- TEDESCO	YOUNGBLOOD	H. SMITH (L)	HARTFIELD (2)
- DENISE	- LONG	REGAN	S. TEETS (L)	- KLECKER
- REG OPR	- LAINAS	PROJECT LDR	G. WILLIAMS (E)	EISENHUT
- FILE & REGION (2)	- BENAROYA		V. WILSON (L)	WIGGINTON
- T.R. WILSON (3)	- VOLLMER	HARLESS	R. INGRAM (L)	- F. WILLIAMS
- STEELE				- HANAUER

## EXTERNAL DISTRIBUTION

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- 1 - TIC (ABERNATHY) (1)(2)(10)	- NATIONAL LABS	1 - BROOKHAVEN NAT LAB
- 1 - NSIC (BUCHANAN)	1 - W. PENNINGTON, Rm E-201 GT	1 - G. ULRIKSON, ORNL
1 - ASLB	1 - CONSULTANTS	1 - AGMED (RUTH GUSSMAN)
1 - Newton Anderson	NEWMARK/BLUME/AGBABIAN	Rm B-127 GT
- 5 - ACRS SENT TO LIC ASST Sheppard 3-18-75		1 - J. D. RUNKLES, Rm E-201
** SEND ONLY TEN DAY REPORTS		GT

DUKE POWER COMPANY  
POWER BUILDING  
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

Regulatory Docket File

March 12, 1975

Mr. Norman C. Moseley, Director  
U. S. Nuclear Regulatory Commission  
Suite 818  
230 Peachtree Street, Northwest  
Atlanta, Georgia 30303

Re: Oconee Unit 2  
Docket No. 50-270

Dear Mr. Moseley:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station  
Technical Specifications, please find attached Unusual Event  
Report UE-270/75-2.

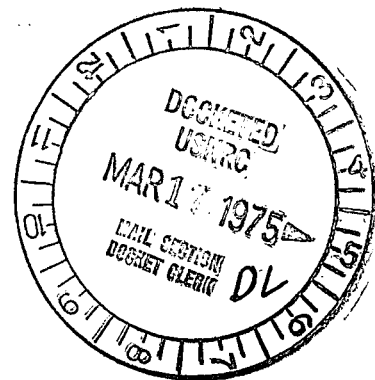
Very truly yours,



A. C. Thies

ACT:vr  
Attachment

cc: Mr. Angelo Giambusso



DUKE POWER COMPANY  
OCONEE UNIT 2

Regulatory Docket File

Report No.: UE-270/75-2

Report Date: March 12, 1975

Accepted by Date 3-12-75

Event Date: February 6, 1975

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Event: Failure of emergency condenser cooling water valves CCW7 and CCW8

Conditions Prior to Event: Unit in cold shutdown

Description of Event:

On February 6, 1975, the single operating Oconee Unit 2 condenser circulating water (CCW) pump tripped. All six condenser outlet valves operated correctly by closing; however, two valves, CCW 7 and 8, which align the CCW discharge to the Keowee tailrace to provide a gravity flow siphon effect, failed to open. Another CCW pump was started and an investigation as to the cause of this event was initiated.

Designation of Apparent Cause of Event:

The 2B CCW pump tripped when an indicator bulb socket failed, during bulb replacement, and created a short circuit through the socket to the breaker trip circuit. The apparent cause of the failure of valves CCW 7 and 8 to open was due to a misaligned contact in a relay associated with the control circuitry for CCW 7. This prevented the open signal from reaching the controller for CCW 7. Valve CCW 8 is interlocked to CCW 7; hence, it did not open.

Analysis of Event:

The failure of emergency condenser cooling water valves CCW 7 and 8 occurred during the time the unit was in cold shutdown and thus the function of the valves was not necessary. In the event that the unit had been at power when all CCW pumps were lost, condenser vacuum would have decreased resulting in a turbine trip and then a high RC pressure reactor trip. Adequate heat removal capacity would have been available by the use of the main steam relief valves. In addition, CCW 7 and 8 could have been manually operated from the control room to obtain the gravity flow of condenser water. It is concluded that the health and safety of the public was not affected.

Corrective Action:

The indicator lamp socket for the 2B CCW pump was replaced and the relay in the control circuitry for CCW 7 was realigned. The Condenser Circulating

Water System Gravity and Recirculation Flow Test was performed on February 11, 1975 and resulted in valves CCW 7 and 8 operating properly.

Since manual actuation of these valves is available in the event of a loss of CCW pumps, and an annual surveillance test is performed to verify this automatic function, no further corrective action is considered necessary.

36

U.S.A. E.O.  
REGULATORY OPERATIONS  
REGION II  
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