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FILE: INCIDENT REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. 28201 A.C. Thies			DATE OF DOC 5-30-75	DATE REC'D 6-2-75	LTR XX	TWX	RPT	OTHER
TO: Mr. Norman Moseley			ORIG no original	CC	OTHER	SENT AEC PDR <u>XXXXX</u>		SENT LOCAL PDR <u>XXXXX</u>
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-287			

DESCRIPTION: Ltr trans the following:

**ACKNOWLEDGED**  
**DO NOT REMOVE**

PLANT NAME: Oconee Unit 3

ENCLOSURES: Unusual Event Report No. UE-287/75-4 on 4-19-75, concerns the failure of condenser circulating water valves to operate properly during test....

1 copy encl rec'd

FOR ACTION/INFORMATION wtm 6-4-75

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**DUKE POWER COMPANY**

Regulatory

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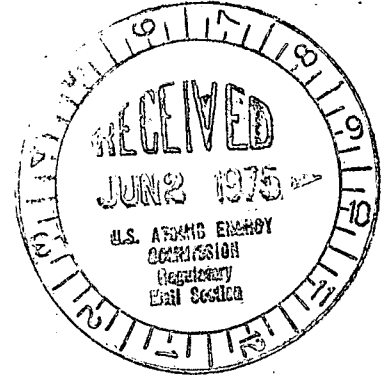
A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

May 30, 1975

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

Re: Oconee Unit 3  
Docket No. 50-287



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-287/75-4.

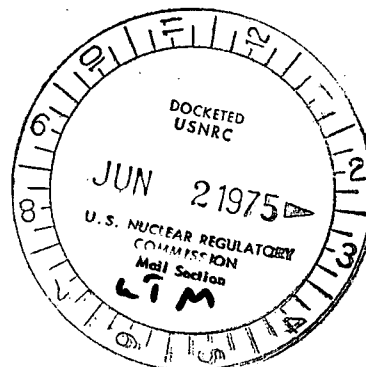
Very truly yours,

A handwritten signature in cursive script, appearing to read "A. C. Thies".

A. C. Thies

ACT:vr  
Attachment

cc: Mr. Angelo Giambusso



5962

DUKE POWER COMPANY  
OCONEE UNIT 3

Report No.: UE-287/75-4

Report Date: May 30, 1975

Event Date: April 19, 1975

Facility: Oconee Unit 3, Seneca, South Carolina

Identification of Event: Failure of condenser circulating water valves to operate properly during test

Conditions Prior to Event: Unit in cold shutdown

Description of Event:

On April 19, 1975, the condenser circulating water (CCW) system gravity and recirculation flow test was performed on Oconee Unit 3. The test automatically shuts the six condenser discharge valves and opens the condenser emergency discharge valves to establish flow to the Keowee Hydro tailrace. In the performance of the test, three of the six condenser discharge valves, 3CCW 21, 22, and 23 did not close. The condenser emergency discharge valves did not open as they are interlocked to the condenser discharge valves.

Designation of Apparent Cause of Event:

The CCW condenser discharge valves control switches have three positions: open-remote-close. The switches for valves 3CCW 21, 22, and 23 were found in the open position. This will not allow the valves to shut upon loss of power to all CCW pumps. The position of the switch is not designated in the operating procedures.

Analysis of Event:

The purpose of the periodic test is to assure that following a loss of power to the CCW pumps, cooling water flow is maintained by gravity and siphon effect to the Keowee Hydro Plant tailrace and to verify that recirculation flow can be maintained from the intake canal back to the intake canal via the unit condenser, should a dam break accident occur. In this incident, the failure of the condenser discharge valves 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, the condenser discharge valves could have been manually operated 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 operating procedure for the condenser circulating water system has been modified such that the CCW discharge valve control switches are specified to be in the remote position. It is considered that this action will prevent future occurrences of this nature.