

FILE: _____

FROM: Duke Power Company Charlotte, N.C. 28201 A. C. Thies		DATE OF DOC 6-12-74	DATE REC'D 6-14-74	LTR X	TWX	RPT	OTHER
TO: A. Giambusso		ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269		

DESCRIPTION:
Ltr trans the following:

ACKNOWLEDGED

PLANT NAME: Oconee Unit #1

ENCLOSURES:
UE-269/74-3: Reporting abnormal occurrence on 5-13-74, regarding the failure of standby power source breaker to close during test.

DO NOT REMOVE

(1 cy rec'd)

FOR ACTION/INFORMATION 6-19-74 GC

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Regulatory Docket File

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

June 12, 1974

Mr. Angelo Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545



Re: Oconee Unit 1
Docket No. 50-269

Dear Mr. Giambusso:

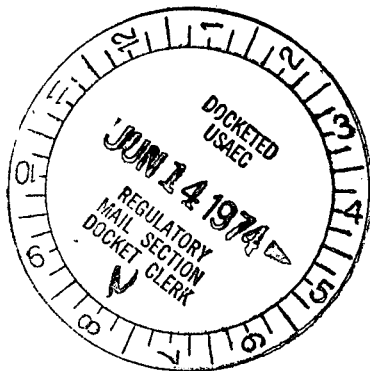
Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Unusual Event
Report UE-269/74-3.

Very truly yours,

A.C. Thies
By: B. Tuck
A. C. Thies

ACT:gje
Attachment

cc: Mr. Norman C. Moseley



5377

DUKE POWER COMPANY
OCONEE UNIT 1

Report No.: UE-269/74-3

Report Date: June 12, 1974

Event Date: May 13, 1974

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Event: Failure of Standby Power Source Breaker to Close
During Test

Conditions Prior to Event: Cold Shutdown

Description of Event:

On May 13, 1974, during the conduct of periodic test PT/1/B/0610/1F, "Emergency Power Switching Logic, Keowee Breaker Closure Channel A and B," Standby Bus 1 feeder breaker failed to close upon the start of the Keowee hydro unit. The periodic test was to check the automatic start of the Keowee hydro unit and subsequent feeder breaker closure to supply Standby Bus 1.

Designation of Apparent Cause of Event:

The apparent cause of the failure of the feeder breaker to close was a faulty unit control module associated with the control circuits of the breaker.

Analysis of Event:

The Keowee Hydro Station underground feeder is the primary source of emergency power for Oconee. The underground feeder supplies two redundant standby buses, each capable of carrying the main feeder buses of any unit. The standby feeder breaker for Bus 1 could have been operated manually from the Keowee Hydro Station control room. Backup sources of power existed from the Keowee Hydro Station through the step-up transformers, 230 kV switching station, and the startup transformers. Additional backup is provided from Lee Steam Station through the independent 100 kV transmission line. It is concluded that failure of standby feeder breaker 1 to close automatically interrupted one of multiple sources of emergency power. This event did not affect the safe operation of the plant or the health and safety of the public.

Corrective Action:

The unit control module was replaced with a satisfactorily tested module from spares. The faulty module was bench tested 30 times and could not be made to repeat its failure. The module will be returned to the manufacturer to further investigate the cause of faulty operation.

Failure Data:

Bailey Meter Company Part #6623990A1