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FROM: Duke Power Co. Charlotte, N.C. William O. Parker		DATE OF DOC 8-21-75	DATE REC'D 8-25-75	LTR XXX	TWX	RPT	OTHER
TO: NRC		ORIG NONE	CC	OTHER	SENT AEC PDR SENT LOCAL PDR		XXX XXX
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-287		

DESCRIPTION:
Letter trans the following.....

PLANT NAME: Oconee Unit 3

ENCLOSURES:
Abnormal Occurrence # 75-11, on 8-7-75,
Concerning Failure of Control Rod Drive AC
Breaker 10.....

(1 Copy Enclosure Received)

FOR ACTION/INFORMATION

SAB 8-27-75

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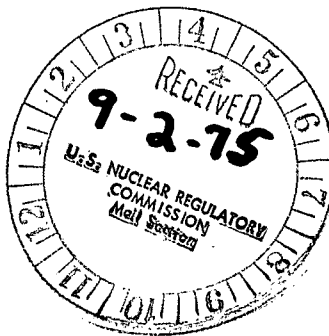
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WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

August 21, 1975

TELEPHONE: AREA 704
373-4083

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

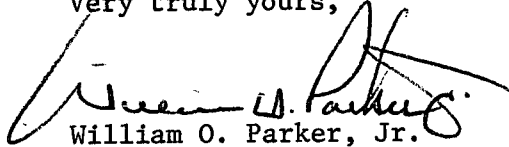


Re: Oconee Unit 3
Docket No. 50-287

Dear Mr. Moseley:

Pursuant to Section 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Abnormal Occurrence
Report AO-287/75-11.

Very truly yours,


William O. Parker, Jr.

ROS:ge
Attachment

cc: Mr. Roger S. Boyd

9069

Duke Power Company
Oconee Unit 3

Report No.: AO-287/75-11

Report Date: August 21, 1975

Occurrence Date: August 7, 1975.

Facility: Oconee Unit 3, Seneca, South Carolina

Identification of Occurrence: Failure of Control Rod Drive AC Breaker 10

Conditions Prior to Occurrence: Unit at Full Power

Description of Occurrence:

On August 7, 1975, during periodic instrument surveillance of the Reactor Protective System Channel A, Control Rod Drive (CRD) breaker 10 failed to trip. Subsequent attempts to trip the breaker were successful and, upon inspection, no visible indication of any problem was found. Redundant trip breakers were then individually tested to verify their operability.

A program to verify the operability of CRD breaker 10 was developed which required the breaker be trip tested on 10 consecutive days. During two of these tests, CRD breaker 10 failed to trip on the first attempt. The breaker was subsequently inspected and repaired at the vendor's repair facility and returned to Oconee for reinstallation. Subsequent tests verified the operability of the breaker.

Designation of Apparent Cause of Occurrence:

The apparent cause of this occurrence was a mal-adjustment of CRD breaker 10. Upon inspection of the breaker at the vendor's repair facility, no problem was found. The breaker was cleaned, lubricated, adjusted, and bench tested fifty times with no failures.

Analysis of Occurrence:

The Reactor Protective System utilizes four separate and redundant channels which actuate four independent control rod drive breaker groups. Actuation of any two of the four protective channels will initiate a reactor trip. Although CRD breaker 10 failed to trip, had a reactor trip been required, the redundant channels would have actuated to trip the reactor. It is concluded that the health and safety of the public was not affected.

Corrective Action

The breaker was cleaned, lubricated, adjusted and then returned to service. The monthly surveillance test of CRD breakers is considered adequate to detect random breaker failures of this type.

Failure Data:

The CRD AC breakers are General Electric Company type AK-2A-25-1. No previous failures of these breakers have been experienced at Oconee.

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AUG 25 11 07 AM '75

U.S.A.F.C.
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