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INCIDENT REPORT

TO: B. N.C. MOSELEY

FROM: DUKE POWER CO.
CHARLOTTE, N.C.
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DESCRIPTION

LTR. FURNISHING REPORTABLE OCCURRENCE # 76-17,
ON 9-17-76, CONCERNING THE REACTOR BUILDING
COOLING UNIT BEING INOPERABLE DUE TO DEFECTIVE
MOTOR.....(1 CARBON SIGNED CY. RECEIVED)
(2 PAGES)

PLANT NAME: OCONEE # 3

ENCLOSURE

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ACKNOWLEDGEDNOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

SAB 10-20-76

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EXTERNAL DISTRIBUTION

☒ LPDR: WALHALLA, S.C.
☒ TIC:
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CONTROL NUMBER

10533

Regulatory File Cy.

DUKE POWER COMPANY

POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

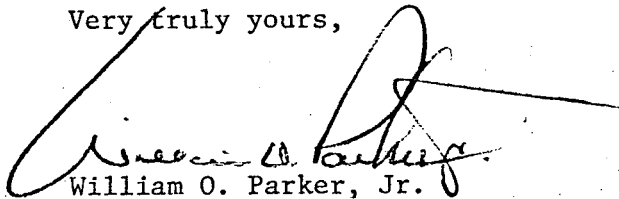
Mr. Norman C. Moseley, Director
U. S. Nuclear Regulatory Commission
Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

RE: Oconee Unit 3
Docket No. 50-287

Dear Mr. Moseley:

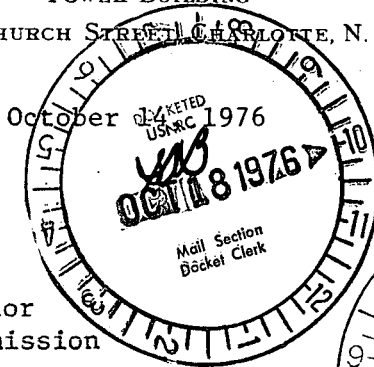
Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station Technical Specifications, please find attached Reportable Occurrence Report RO-287/76-17.

Very truly yours,


William O. Parker, Jr.

LJB:ge
Attachment

cc: Director, Office of Management Information
and Program Control



10533

DUKE POWER COMPANY
OCONEE UNIT 3

Report No.: RO-287/76-17

Report Date: October 14, 1976

Occurrence Date: September 17, 1976

Facility: Oconee Unit 3, Seneca, South Carolina

Identification of Occurrence: Reactor Building Cooling Unit inoperable due to defective motor

Conditions Prior to Occurrence: Unit at 33 percent full power

Description of Occurrence:

On September 17, 1976, it was determined that the 3C Reactor Building cooling unit breaker had tripped. Investigation revealed that the 3C RBCU three phase fan motor had failed. The motor was inoperable for one day of power operation before Oconee Unit 3 was shutdown for refueling.

Apparent Cause of Occurrence:

The probable cause of the occurrence was an insulation failure on one phase of the three phase fan motor, resulting in an insulation breakdown on the other two phases and subsequent grounding of the motor.

Analysis of Occurrence:

For the period of time during which the 3C RBCU was out of service, both Reactor Building spray systems and the remaining two Reactor Building cooling units were operable as required by Oconee Technical Specification 3.3.6.(d). These systems have full heat removal capability in the event of an ES actuation and, therefore, it is concluded that the health and safety of the public were not affected by this occurrence.

Corrective Action:

The 3C RBCU fan motor was replaced and an analysis of the failure mode of the defective motor is being made. The 3A and 3B RBCU fan motor insulation will be examined using a 500V Megger prior to Oconee Unit 3 startup. Additionally, the Oconee Unit 1 and 2 RBCU fan motors will be examined during each unit's refueling outage. This incident is considered to be an isolated occurrence and is not indicative of a generic problem. It is felt that this corrective action will prevent reoccurrence of this incident.