

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO: B. N.C. MOSELEY

FROM: DUKE POWER CO.  
CHARLOTTE, N.C.  
W.O. PARKER, JR.

DATE OF DOCUMENT  
10-14-76

DATE RECEIVED  
10-18-76

LETTER  NOTORIZED  
 ORIGINAL  UNCLASSIFIED  
 COPY

PROP INPUT FORM

NUMBER OF COPIES RECEIVED  
1

DESCRIPTION  
LTR. FURNISHING REPORTABLE OCCURRENCE # 76-17,  
ON 9-17-76, CONCERNING THE REACTOR BUILDING  
COOLING UNIT BEING INOPERABLE DUE TO DEFECTIVE  
MOTOR.....

ENCLOSURE

**DO NOT REMOVE  
ACKNOWLEDGED**

( 1 CARBON SIGNED CY. RECEIVED)  
( 2 PAGES)

PLANT NAME: OCONEE # 3

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

FOR ACTION/INFORMATION

SAB 10-20-76

<input checked="" type="checkbox"/> BRANCH CHIEF:	SCHWENCER
W/3 CYS FOR ACTION	
<input checked="" type="checkbox"/> LIC. ASST.:	SHEPPARD
W/ CYS	
<input checked="" type="checkbox"/> ACRS 16CYS <del>HOLDING</del> SENT TO LA	

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE				
<input checked="" type="checkbox"/> NRC PDR				
<input checked="" type="checkbox"/> I & E (2)				
<input checked="" type="checkbox"/> MLPC				
<input checked="" type="checkbox"/> SCHROEDER/IPPOLITO				
<input checked="" type="checkbox"/> HOUSTON				
<input checked="" type="checkbox"/> NOVAK/CHECK				
<input checked="" type="checkbox"/> GRIMES				
<input checked="" type="checkbox"/> CASE				
<input checked="" type="checkbox"/> BUTLER				
<input checked="" type="checkbox"/> HANAUER				
<input checked="" type="checkbox"/> TEDESCO/MACCARY				
<input checked="" type="checkbox"/> EISENHUT				
<input checked="" type="checkbox"/> BAER				
<input checked="" type="checkbox"/> SHAO				
<input checked="" type="checkbox"/> VOLLMER/BUNCH				
<input checked="" type="checkbox"/> KREGER/J. COLLINS				

EXTERNAL DISTRIBUTION

CONTROL NUMBER

<input checked="" type="checkbox"/> LPDR: WALHALLA, S.C.			
<input checked="" type="checkbox"/> TIC:			
<input checked="" type="checkbox"/> NSIC:			

10533

Regulatory

File Cy.

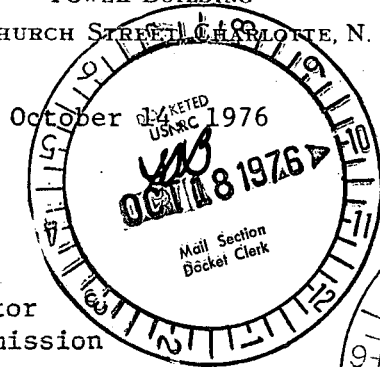
# DUKE POWER COMPANY

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

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.