

50-269

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO: Mr Moseley

FROM: Duke Power Company  
Charlotte, NC  
W O Parker Jr

DATE OF DOCUMENT  
7-21-76

DATE RECEIVED  
8-6-76

LETTER  
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 UNCLASSIFIED

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DESCRIPTION

Ltr trans the following:

PLANT NAME: Oconee #1

ENCLOSURE

Licensee Event Report (RO#76-12) on 7-7-76 concerning increased activity in the component cooling system resulting from letdown cooler leakage.....

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

FOR ACTION/INFORMATION

8-9-76 e hf

BRANCH CHIEF: *Purple*

W/3 CYS FOR ACTION

LIC. ASST.: *Sheppard*

W/7 CYS

ACRS 1/6 CYS HOLDING/SENT TO LA

INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: *Walhala, SC*

TIC:

NSIC:

17959

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

July 21, 1976

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

Re: Oconee Unit 1  
Docket No. 50-269

Dear Mr. Moseley:

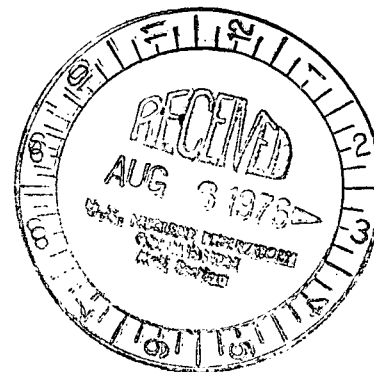
Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station  
Technical Specifications, please find attached Reportable Occurrence  
Report RO-269/76-12.

Very truly yours,

*W. O. Parker, Jr.*  
William O. Parker, Jr. *WOP*

EDB:vr  
Attachment

cc: Director, Office of Management Information  
and Program Control



7958

DUKE POWER COMPANY  
OCONEE UNIT 1

Report No.: RO-269/76-12

Report Date: July 21, 1976

Occurrence Date: July 7, 1976

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Increased activity in the Component Cooling System resulting from letdown cooler leakage

Conditions Prior to Occurrence: Unit at 100 percent full power

Description of Occurrence:

On July 7, 1976, routine radiochemistry monitoring revealed an increasing level of radioactivity in the Component Cooling System. By isolating letdown coolers singly and observing the resulting change in activity in the CCS, the source of the radioactivity was identified as letdown cooler "A," from which primary coolant was leaking into the Component Cooling System. Letdown cooler "A" was isolated to prevent further leakage and increase in CCS activity.

Apparent Cause of Occurrence:

As stated above, the apparent cause of this occurrence was a leak in letdown cooler "A," allowing leakage of primary coolant into the Component Cooling System.

Analysis of Occurrence:

Isolation of letdown cooler "A" prevented further increase of activity in the Component Cooling System. The CCS is a closed system; therefore, any activity present will remain within the system. The level of activity in the system does not adversely affect the operation of the unit or its components. Activity in the system will be reduced through normal makeup to the system and decay of the isotopes. Also, since the CCS liquid is chemically buffered to a high pH value, primary coolant that has leaked into the system is quickly neutralized and its possible corrosive effects minimized. From these considerations it is concluded that this occurrence did not adversely affect the health and safety of the public.

Corrective Action:

Letdown cooler "A" has been isolated terminating further contamination of the Component Cooling System. During the next refueling outage or maintenance outage of sufficient duration, the cooler will be either repaired or replaced. In the interim, it is intended that unit operation will continue with letdown cooler "A" out of service pending completion of an evaluation of the impact of limited usage of the cooler. This evaluation will be completed and a supplemental report to this occurrence submitted by September 1, 1976.