

REPORT OF ABNORMAL OCCURRENCE AND/OR INCIDENT
NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 9667

FILE: INCIDENT REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. William O. Parker, Jr.			DATE OF DOC 9-8-75	DATE REC'D 9-11-75	LTR	TWX	RPT XXX	OTHER
TO:			ORIG None	CC	OTHER	SENT AEC PDR <u>XXX</u>		
						SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-270		

DESCRIPTION:
Letter trans the following.....

ENCLOSURES:
Abnormal Occurrence # 75-17, on 8-24-75,
Concerning Increase in Component Cooling System
activity.....

(1 Copy Enclosure Received)

PLANT NAME: Oconee (2)

FOR ACTION/INFORMATION

SAB 9-13-75

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1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT
5 - ACRS SENT TO LIC ASST S. Sheppard		
** SEND ONLY TEN DAY REPORTS		

[Handwritten Signature]

DUKE POWER COMPANY

POWER BUILDING

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

Regulatory

File Cy.

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

September 8, 1975

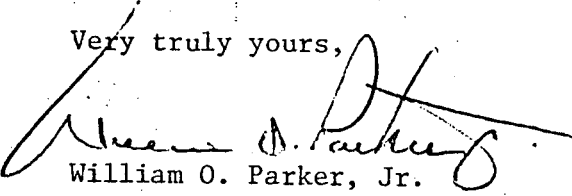
Mr. Norman C. Moseley, Director
U. S. Nuclear Regulatory Commission
Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Re: Oconee Unit 2
Docket No. 50-270

Dear Mr. Moseley:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Abnormal Occurrence
Report AO-270/75-17.

Very truly yours,

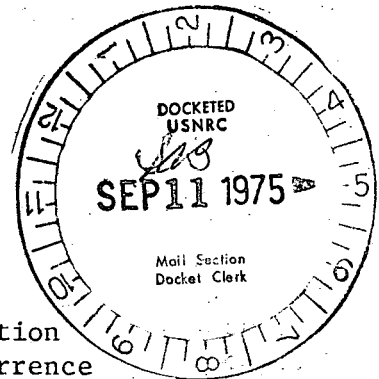

William O. Parker, Jr.

MST:vr
Attachment

cc: Mr. Roger S. Boyd



TELEPHONE: AREA 704
373-4083



9667

DUKE POWER COMPANY
OCONEE UNIT 2

Report No.: AO-270/75-17

Report Date: September 8, 1975

Occurrence Date: August 24, 1975

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: Increase in Component Cooling System activity

Conditions Prior to Occurrence: Unit in startup

Description of Occurrence:

On August 24, 1975, the radiation monitor trend recorder for Oconee Unit 2 was reviewed to determine trends which might have occurred within the past 24 hours. The Component Cooling System count rate, indicated on process monitor 2RIA-50, had increased from 65,000 cpm at 0800, August 23, 1975 to 300,000 cpm at 0900, August 24, 1975. A clearly defined step was indicated at about 0930, August 23, 1975, about 20 minutes after a reactor trip from 99 percent full power. A sample of component cooling water was immediately taken and indicated that Fluorine-18 half-life 109.8 minutes was present in addition to the normal background activity.

The "A" letdown cooler was removed from service at 1045, August 24, 1975, and by 1400 2RIA-50 count rate had decreased slightly. In order to confirm the source of leakage, the "A" letdown cooler was placed back in service for a short period of time. The count rate immediately increased and the "A" cooler was again taken out of service.

Designation of Apparent Cause of Occurrence:

The apparent cause of the increased activity in the Unit 2 Component Cooling System is a leak in the "A" letdown cooler.

Analysis of Occurrence:

The letdown coolers are located in the Reactor Building and provide cooling for reactor coolant prior to purification. This incident resulted in an approximately 0.2 gal./min. leak from the Letdown System to the Component Cooling System. All radioactivity was contained since the Component Cooling System is a closed system. Both the Letdown System and Component Cooling System remained capable of performing their design function. When the leakage was discovered, the cooler was isolated and the redundant cooler placed in service. It is concluded that the health and safety of the public was not affected by this incident.

Corrective Action:

The "A" letdown cooler has been taken out of service and isolated and the redundant cooler placed in service. Repairs to the "A" letdown cooler are in progress.