

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO:
Mr. Edson G. Case

FROM:
Duke Power Company
Charlotte, North Carolina
Mr. William O. Parker, Jr.

DATE OF DOCUMENT
6/17/77

DATE RECEIVED
6/21/77

LETTER
 ORIGINAL
 COPY

NOTORIZED
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED
1 SIGNED

DESCRIPTION

Informing NRC of a recent steam generator tube leak which occurred in the Unit 3 "B" steam generator.....

(1-P)

PLANT NAME: Oconee Unit No. 3

RJL 6/21/77

ENCLOSURE

**DO NOT REMOVE
ACKNOWLEDGED**

SAFETY		FOR ACTION/INFORMATION		ENVIRONMENTAL	
ASSIGNED AD:		ASSIGNED AD:	V. MOORE (LTR)		
BRANCH CHIEF:	<i>Schwencer (3)</i>	BRANCH CHIEF:			
PROJECT MANAGER:	<i>Neighbors</i>	PROJECT MANAGER:			
LICENSING ASSISTANT:	<i>Sheppard</i>	LICENSING ASSISTANT:			
			B. HARLESS		

INTERNAL DISTRIBUTION			
<input checked="" type="checkbox"/> REC. FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY & ENVIRON ANALYSIS
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	DENTON & MULLER
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	CRUTCHFIELD
<input checked="" type="checkbox"/> OELD		LAINAS	
<input checked="" type="checkbox"/> GOSSICK & STAFF	ENGINEERING	IPPOLITO	
<input checked="" type="checkbox"/> HANAUER	KNIGHT	F. ROSA	ENVIRO TECH.
<input checked="" type="checkbox"/> MIPG	BOSNAK		ERNST
<input checked="" type="checkbox"/> CASE	SIHWELL	OPERATING REACTORS	BALLARD
<input checked="" type="checkbox"/> BOYD	PAWLICKI	STELLO	YOUNGBLOOD
		EISENHUT	
<input checked="" type="checkbox"/> PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	SITE TECH.
<input checked="" type="checkbox"/> SKOVHOLT	ROSS	BAER	
<input checked="" type="checkbox"/> P. COLLINS	NOVAK	BUTLER	GAMMILL (2)
<input checked="" type="checkbox"/> HOUSTON	ROSZTOCZY	GRIMES	
<input checked="" type="checkbox"/> MELTZ	CHECK		SITE ANALYSIS
<input checked="" type="checkbox"/> HELTEMES			VOLLMER
<input checked="" type="checkbox"/> SK	AT&I		BUNCH
	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION	
<input checked="" type="checkbox"/> LPDR: <i>Wathella, SC</i>	
<input checked="" type="checkbox"/> TIC	NSIC
<input checked="" type="checkbox"/> NAT LAB	
<input checked="" type="checkbox"/> REG IV (J. HANCHETT)	
<input checked="" type="checkbox"/> 16 CYS ACRS SENT CATEGORY <i>B</i>	

CONTROL NUMBER

771730184

MMS 4 R

DUKE POWER COMPANY

POWER BUILDING

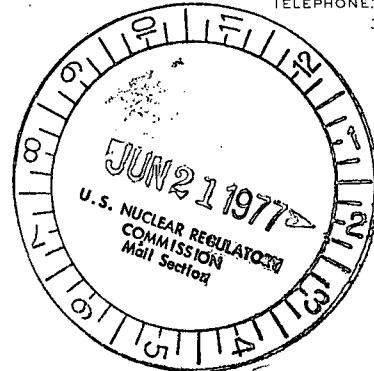
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

June 17, 1977

TELEPHONE: AREA 704
373-4083

Mr. Edson G. Case, Acting Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Re: Oconee Unit 3
Docket No. 50-287

Dear Mr. Case:

The purpose of this letter is to appraise you of a recent Oconee Nuclear Station steam generator tube leak which occurred in the Unit 3 "B" steam generator. This leak first appeared on May 27, 1977 and was determined to be approximately 0.1 gpm. Continued operation of the unit with this small leakage rate is considered to be acceptable and within the technical specifications limits. Shortly after the conduct of a main steam stop valve test on June 9, 1977, this leakage rate increased to approximately 0.2 gpm and the unit was shutdown for repair of this leak. Specific details will be forwarded by Reportable Occurrence Report RO-287/77-8 on June 24, 1977.

Subsequent to this shutdown, a leak test was performed and tube 1 in row 78 was determined to be the leaking tube. Eddy current testing was performed on this tube and approximately 120 other steam generator tubes. Only tube 1 in row 78 revealed a deleterious indication. Examinations using a fiber optics visual technique of the inside diameter of this tube indicated a 90° circumferential crack.

This tube has been removed from service by the installation of a stabilizing rod in a manner similar to that of other tubes of Oconee. It is expected that the unit will return to power in the near future.

We will provide you information concerning the performance of the unit after power operation is resumed, and will discuss the augmentation of investigative programs with you should this be necessary.

Very truly yours,

William O. Parker, Jr.

William O. Parker, Jr. *by P.H.A.*

MST:ge

771730184

RECEIVED DOCUMENT
PROCESSING UNIT

1977 JUN 21 AM 11 50