

50-287

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

621/77

☒ LETTER☐ NOTORIZED

PROP

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1 SIGNED

DESCRIPTION

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

(1-P)

ENCLOSURE

DO NOT REMOVE
ACKNOWLEDGED

PLANT NAME: Oconee Unit No. 3

RJL 6/21/77

SAFETY

FOR ACTION/INFORMATION

ENVIRONMENTAL

ASSIGNED AD:

ASSIGNED AD: V. MOORE (LTR)

BRANCH CHIEF:

BRANCH CHIEF:

PROJECT MANAGER:

PROJECT MANAGER:

LICENSING ASSISTANT:

LICENSING ASSISTANT:

B. HARLESS

INTERNAL DISTRIBUTION

REC. FILES

SYSTEMS SAFETY

PLANT SYSTEMS

SITE SAFETY &

NRC PDR

HEINEMAN

TEDESCO

ENVIRON ANALYSIS

I & E (2)

SCHROEDER

BENAROYA

DENTON & MULLER

OELD

LAINAS

CRUTCHFIELD

GOSSICK & STAFF

ENGINEERING

IPPOLITO

HANAUER

KNIGHT

F. ROSA

ENVIRO TECH.

MIPC

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OPERATING REACTORS

BALLARD

BOYD

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STELLO

YOUNGBLOOD

PROJECT MANAGEMENT

REACTOR SAFETY

SHAO

SITE TECH.

SKOVHOLT

ROSS

BAER

GAMMILL (2)

P. COLLINS

NOVAK

BUTLER

HOUSTON

ROSZTOCZY

GRIMES

MELTZ

CHECK

SITE ANALYSIS

HELTEMES

VOLLMER

SK

AT&I

BUNCH

SALTZMAN

J. COLLINS

RUTBERG

KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Walthell, SC

TIC

NSIC

NAT LAB

REG IV (J. HANCHETT)

16 CYS ACRS SENT CATEGORY B

771730184

DUKE POWER COMPANY

POWER BUILDING

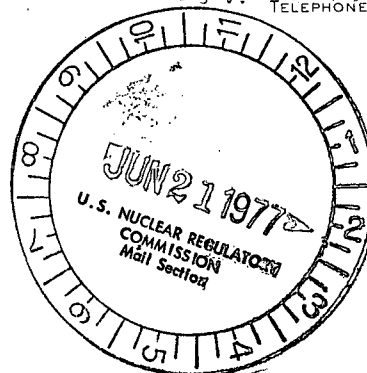
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

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.B.*

MST:ge

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PROCESSING UNIT

1977 JUN 21 AM 11 50