

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

(TEMPORARY FORM)

CONTROL NO: 6144

FILE: *A/D*

| | | | | | | | |
|--|-----------------------|------------------------------|-----------------------------|--------------------------|--|------------|--------------|
| FROM: Duke Power Company Charlotte, N.C. 28201 A. C. Thies | | DATE OF DOC 7-1-74 | DATE REC'D 7-8-74 | LTR X | TWX | RPT | OTHER |
| TO: A. Giambusso | | ORIG 1 signed | CC | OTHER | SENT AEC PDR X SENT LOCAL PDR X | | |
| CLASS | UNCLASS XXX | PROP INFO | INPUT | NO CYS REC'D 1 | DOCKET NO: 50-269 | | |

DESCRIPTION:
Ltr trans the following:

ACKNOWLEDGED

PLANT NAME: Oconee Unit #1

ENCLOSURES:
AO-269/74-11: Reporting abnormal occurrence on 6-20-74, regarding the failure to provide redundant boric acid sources.

DO NOT REMOVE
(1 cy rec'd)

FOR ACTION/INFORMATION 7-11-74 GC

- | | | | |
|------------|---------------|----------------|-----------|
| BUTLER (L) | SCHWENCER (L) | ZIEMANN (L) | REGAN (E) |
| W/ CYS | W/ CYS | W/ CYS | W/ CYS |
| CLARK (L) | STOLZ (L) | DICKER (E) | |
| W/ CYS | W/ CYS | W/ CYS | W/ CYS |
| DADD (L) | VASSALLO (L) | KNIGHTON (E) | |
| W/ CYS | W/ CYS | W/ CYS | W/ CYS |
| KNIEL (L) | PURPLE (L) | YOUNGBLOOD (E) | |
| W/ CYS | W/7 CYS | W/ CYS | W/ CYS |

INTERNAL DISTRIBUTION

- | | | | | |
|---------------------|--------------------|---------------|-----------------|-------------------|
| <u>REG FILE</u> | <u>TECH REVIEW</u> | DENTON | <u>LIC ASST</u> | <u>A/T IND</u> |
| ✓ AEC PDR | ✓ HENDRIE | GRIMES | DIGGS (L) | BRAITMAN |
| ✓ OGC | ✓ SCHROEDER | GAMMILL | GEARIN (L) | SALTZMAN |
| ✓ MUNTZING/STAFF | ✓ MACCARY | KASTNER | GOULBOURNE (L) | B. HURT |
| ✓ CASE | ✓ KNIGHT | BALLARD | KREUTZER (E) | |
| GIAMBUSSO | ✓ PAWLICKI | SPANGLER | LEE (L) | <u>PLANS</u> |
| BOYD | ✓ SHAO | | MAIGRET (L) | MCDONALD |
| MOORE (L)(LWR-2) | ✓ STELLO | <u>ENVIRO</u> | REED (E) | CHAPMAN |
| DEYOUNG (L)(LWR-1) | ✓ HOUSTON | MULLER | SERVICE (L) | DUBE w/input |
| SKOVHOLT (L) | ✓ NOVAK | DICKER | ✓ SHEPPARD (L) | E. COUPE |
| ✓ GOLLER (L) | ✓ ROSS | KNIGHTON | SLATER (E) | |
| P. COLLINS | ✓ IPPOLITO | YOUNGBLOOD | SMITH (L) | ✓ D. THOMPSON (2) |
| DENISE | ✓ TEDESCO | REGAN | TEETS (L) | ✓ KLECKER |
| ✓ <u>REG OPR</u> | ✓ LONG | PROJECT MGR | WILLIAMS (E) | ✓ EISENHUT |
| ✓ FILE & REGION (3) | ✓ LAINAS | | WILSON (L) | |
| ✓ MORRIS | ✓ BENAROYA | HARLESS | | |
| ✓ STEELE | ✓ VOLLMER | | | |

EXTERNAL DISTRIBUTION

- | | | |
|--|-------------------------------|-------------------------|
| ✓ 1 - LOCAL PDR <u>Walhalla, S. C.</u> | (1)(2)(10)-NATIONAL LABS | 1-PDR-SAN/LA/NY |
| ✓ 1 - TIC (ABERNATHY) | 1-ASLBP(E/W Bldg, Rm 529) | 1-BROOKHAVEN NAT LAB |
| ✓ 1 - NSIC (BUCHANAN) | 1-W. PENNINGTON, Rm E-201 GT | 1-G. ULRIKSON, ORNL |
| 1 - ASLB | 1-B&M SWINEBROAD, Rm E-201 GT | 1-AGMED (RUTH GUSMAN) |
| 1 - P. R. DAVIS | 1-CONSULTANTS | Rm B-127 GT |
| ✓ 16 - ACRS SENT TO LIC ASST SHEPPARD | NEWARK/BLUME/AGBABIAN | 1-RD..MUELLER, Em F-309 |
| 7-11-74 | | GT |

Regulatory Docket File

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

July 1, 1974

Mr. Angelo Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545



Re: Oconee Unit 1
Docket No. 50-269

Dear Mr. Giambusso:

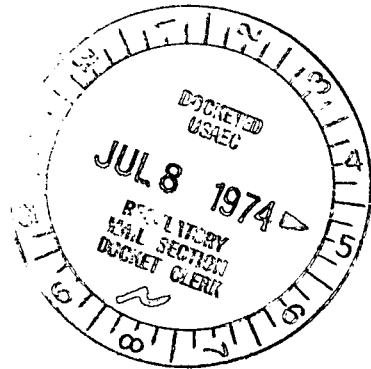
Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station Technical Specifications, please find attached Abnormal Occurrence Report AO-269/74-11.

Very truly yours,

A. C. Thies

ACT:vr
Attachment

cc: Mr. Norman C. Moseley



6144

DUKE POWER COMPANY
OCONEE UNIT 1

Report No.: AO-269/74-11

Report Date: July 1, 1974

Occurrence Date: June 20, 1974

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Failure to provide redundant boric acid sources

Conditions Prior to Occurrence: Units 1 and 2 at 100 percent full power

Description of Occurrence:

Oconee Technical Specification 3.2.2 requires that at least one source per unit of concentrated boric acid, in addition to the borated water storage tank, be available and operable prior to critical operation. On June 20 and June 21, 1974, maintenance personnel mistakenly disassembled Valve LCS-68 resulting in the isolation of the concentrated boric acid storage tank (CBAST) for a total of 55 minutes. This resulted in Unit 1 being critical with only the borated water storage tank as a source of concentrated boric acid.

Designation of Apparent Cause:

Personnel inadvertently performed maintenance on Valve CS-68, Unit 1 supply from CBAST, thus isolating Unit 1 from its backup supply of concentrated boric acid for 55 minutes. The error was discovered at 1430 on June 21, 1974 at which time the correct valve was repaired.

Analysis of Occurrence:

The result of performing a maintenance action on the wrong valve resulted in the loss of a redundant source of concentrated boric acid to ensure the ability to borate Unit 1 to a subcritical margin in the cold condition at the end of core life. The borated water storage tank has sufficient capacity to effect the required action and was available for the entire time the reactor was critical. This incident resulted in the loss of a standby backup source for 55 minutes, and it is concluded that the health and safety of the public was not affected.

Corrective Action:

To prevent recurrence of similar incidents, procedures will require independent verification, where appropriate, to assure proper isolation and tagging has been accomplished. This verification will involve both operations and maintenance personnel.