

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 10962

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|--|-----------------|-------------------------|------------------------|-------------------|-------------------------|-----|---------------------------|
| FROM: Duke Power Co Charlotte, NC AC Thies | | DATE OF DOC 10-22-74 | DATE REC'D 10-24-74 | LTR | TWX | RPT | OTHER FACSIMILE |
| TO: Mr. Moseley | | ORIG NONE SIGNED | CC | OTHER | SENT AEC PDR <u>XXX</u> | | SENT LOCAL PDR <u>XXX</u> |
| CLASS | UNCLASS XXXX | PROP INFO | INPUT | NO CYS REC'D 1 | DOCKET NO: 50-269 | | |

DESCRIPTION:

Ltr trans the following:

PLANT NAME: Oconee 1

ENCLOSURES:

Abnormal Occurrence #74-12 supplemental report as a follow-up.....

DO NOT REMOVE

FOR ACTION INFORMATION 11-29-74 ehf

- | | | | |
|-------------------------|----------------------------|-----------------------------|------------------------|
| BUTLER (L) W/ Copies | SCHWENCER (L) W/ Copies | ZIEMANN (L) W/ Copies | REGAN (E) W/ Copies |
| CLARK (L) W/ Copies | STOLZ (L) W/ Copies | DICKER (E) W/ Copies | LEAR (L) W/ Copies |
| PARR (L) W/ Copies | VASSALLO (L) W/ Copies | KNIGHTON (E) W/ Copies | |
| KNIEL (L) W/ Copies | PURPLE (L) W/ Copies | YOUNGBLOOD (E) W/ Copies | |

INTERNAL DISTRIBUTION

- | | | | | |
|-------------------|--------------------|----------------|-----------------|----------------|
| <u>REG FILE</u> | <u>TECH REVIEW</u> | <u>DENTON</u> | <u>LIC ASST</u> | <u>A/T IND</u> |
| REG PDR | SCHROEDER | GRINES | DIGGS (L) | BRAITMAN |
| REG. ROOM P-506A | ACCARY | GAMMILL | GEARIN (L) | SALTZMAN |
| MUNTZING STAFF | KNIGHT | KASTNER | GOULBOURNE (L) | B. HURT |
| CASE | AWLICKI | BALLARD | KREUTZER (E) | <u>PLANS</u> |
| GIAMBUSO | SHIAO | SPANGLER | LEE (L) | MCDONALD |
| BOYD | TELLO | <u>ENVIRO</u> | MAIGRET (L) | CHAPMAN |
| MOORE (L) (BWR) | HOUSTON | MULLER | REED (E) | DUBE without |
| DEYOUNG (L) (PWR) | OVAK | DICKER | SERVICE (L) | E. COUPE |
| SKOVHOLT (L) | ROSS | KNIGHTON | SHEPPARD (L) | |
| GOLLER (L) | POLITO | YOUNGBLOOD | SLATER (E) | THOMPSON (L) |
| P. COLLINS | TEDESCO | REGAN | SMITH (L) | LECKER |
| DENISE | LONG | PROJECT LDR | TEETS (L) | EISENHUT |
| REG OPR | AINAS | | WILLIAMS (E) | |
| FILE & REGION (3) | SENAROYA | <u>HARLESS</u> | WILSON (L) | |
| MORRIS | VOLINER | | | |
| STEELE | | | | |

EXTERNAL DISTRIBUTION Ad R.

- | | | |
|-----------------------------------|---------------------------------|--------------------------------|
| LOCAL PDR <i>Walshella, s.c.</i> | (1)(2)(10) - NATIONAL LABS | 1 - PDR SAN/LA/NY |
| TIC (ADERNATHY) | 1 - ASLDR (W. 201, Rm 520) | 1 - BROOKHAVEN NAT LAB |
| 1 - NSIC (BUCHANAN) | 1 - W. PENNISTON, Rm E-201 GT | 1 - G. ULRIKSON, ORNL |
| 1 - ASLB | 1 - B&M SWENEBROAD, Rm E-201 GT | 1 - AGMED (RUTH GUSMAN) |
| 1 - Newton Anderson | 1 - CONSULTANTS | Rm B-127 GT |
| ACRS HOLDING | NEWARK BLVD. AGRADIAN | 1 - B. D. MUELLER, Rm E-201 GT |
| Sent to Lic Asst. <i>Sheppard</i> | | |

DUKE POWER COMPANY

POWER BUILDING

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

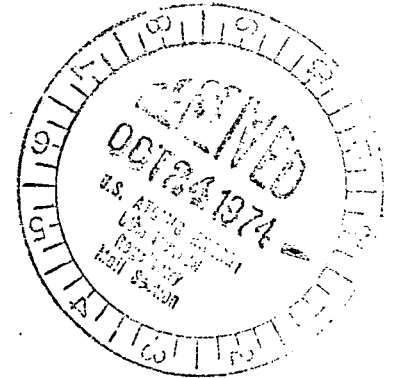
A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

October 22, 1974

RECEIVED COPY

Mr. Norman C. Moseley, Director
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303



Re: Oconee Unit 1
Docket No. 50-269

Dear Mr. Moseley:

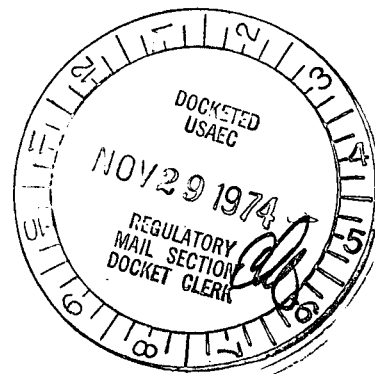
My letter of August 22, 1974 transmitted to you Abnormal Occurrence Report AO-269/74-12, "Low Boric Acid Concentration in 1B Core Flood Tank." Please find attached a supplemental report, designated AO-269/74-12A, which describes further investigative tests performed to determine the cause of the low boron concentration.

Very truly yours,

A. C. Thies

ACT:vr
Attachment

cc: Mr. Angelo Giambusso



10362

DUKE POWER COMPANY
OCONEE UNIT 1

SUPPLEMENTAL ABNORMAL OCCURRENCE REPORT AO-269/74-12A

Supplemental Report Date: October 18, 1974

Occurrence Date: August 6, 1974

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Low boric acid concentration in 1B core flood tank

Conditions Prior to Occurrence: Unit 1 at 100 percent full power

Description of Occurrence: As described in Abnormal Occurrence Report AO-269/74-12 dated August 22, 1974

Analysis of Occurrence:

Due to an unaccountable decrease in boron concentration in the 1B Core Flood Tank for Oconee Unit 1, a two-week special monitoring program, in addition to the normal core flood tank surveillance, was instituted. The source, volume, and boron concentration of all makeup and the level and pressure of the core flood tank were accurately recorded. Analyses were performed daily and after each makeup for boron concentration and isotopic activity.

During the test period, August 19 to September 1, 1974, five additions of borated water were made to the core flood tank from the boric acid mix tank and the high pressure injection system. The observed boron concentrations were in close agreement with calculated boron concentrations. The observed isotopes in the core flood tank indicate the normal species found in makeup from the high pressure injection system. This monitoring program has not identified a mechanism which could have caused the dilution of the contents of the core flood tank which occurred between August 2 and August 6, 1974.