

E

4/13/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-269/270/287

REC: OREILLY J P
NRC

ORG: PARKER W D
DUKE PWR

DOC DATE: 04/07/78
DATE RCVD: 04/12/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT:

LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-269/78-006/03L-0) ON 03/05/78
CONCERNING ATTEMP WAS MADE TO START KEOWEE HYDRO UNIT 2 WHICH IS A SOURCE OF
AUXILIARY PWR FOR SUBJECT FACILITY, BUT UNIT FAILED TO START DUE TO AN
INOPERABLE FIELD FLASHING BREAKER... W/ENCL.

PLANT NAME: OCONEE - UNIT 1
OCONEE - UNIT 2
OCONEE - UNIT 3

REVIEWER INITIAL: XJM
DISTRIBUTER INITIAL: *m*

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

NOTES:

1. M. CUNNINGHAM - ALL AMENDMENTS TO FSAR AND CHANGES TO TECH SPECS

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF RETIRE/W/4 ENCL

INTERNAL:

REG FILE**W/ENCL
I & E**W/2 ENCL
SCHROEDER/IPPOLITO**W/ENCL
NOVAK/CHECK**W/ENCL
KNIGHT**W/ENCL
HANAUER**W/ENCL
EISENHUT**W/ENCL
SHAO**W/ENCL
KREGER/J. COLLINS**W/ENCL
K SEYFRIT/IE**W/ENCL

NRC PDR**W/ENCL
MIPC**W/3 ENCL
HOUSTON**W/ENCL
EEB**W/ENCL
BUTLER**W/ENCL
TEDESCO**W/ENCL
BAER**W/ENCL
VOLLMER/BUNCH**W/ENCL
ROSA**W/ENCL

EXTERNAL:

LPDR'S
WALHALLA, SC**W/ENCL
TIC**W/ENCL
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 45 ENCL 45
SIZE: 1P+2P+1P

CONTROL NBR: 781030036

***** THE END *****

DUKE POWER COMPANY

STEAM PRODUCTION DEPT.

GENERAL OFFICES

422 SOUTH CHURCH STREET

CHARLOTTE, N. C. 28242

P. O. BOX 2178

TELEPHONE: AREA 704
373-4011

REGULATORY DIVISION

April 7, 1978

RECEIVED DISTRIBUTION SERVICES UNIT
1978 APR 12 PM 1 08
US NRC
DISTRIBUTION SERVICES
BRANCH

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Suite 1217
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

RE: Oconee Unit 2
Docket No. 50-269, -270, and -287

Dear Mr. O'Reilly:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station Technical Specifications, please find attached Reportable Occurrence Report RO-269/78-6.

Very truly yours,

William O. Parker Jr.
William O. Parker, Jr. *ly WAH*

KRW/vmb

Attachment

cc: Director, Office of Management Information
and Program Control

*App 2
5/11*

781030036

DUKE POWER COMPANY
OCONEE UNIT 2

Report Number: RO-269/78-6

Report Date: April 7, 1978

Occurrence Date: March 10, 1978

Facility: Oconee Nuclear Station, Seneca, South Carolina

Identification of Occurrence: Keowee Unit 2, Field Flashing Breaker Inoperable

Conditions Prior to Occurrence:

Unit 1	100% FP
Unit 2	100% FP
Unit 3	100% FP

Description of Occurrence:

At 0701 on March 10, 1978 when an attempt was made to start Keowee Hydro Unit 2, the unit's field flashing breaker failed to close. The unit was thereby made inoperable, contrary to the requirements of Oconee Nuclear Station Technical Specifications 3.7.1. Keowee Unit 1 was verified operable at 0713. Unit 2 was returned to service at 1534 after a complete investigation of the breaker abnormality. The unit was left inoperable for slightly longer than normal to leave it in its failed mode during investigation by a Westinghouse representative.

This type of incident has occurred on three previous occasions, which were reported in Reportable Occurrence Reports RO-269/77-29, RO-269/78-1 and RO-269/78-3, transmitted by my letters of January 18, February 3, and March 23, 1978, respectively.

Apparent Cause of Occurrence:

A breaker maintenance crew and a Westinghouse representative checked the field flashing, field and supply breakers as well as associated relays without noting any abnormalities. Control and closing circuits were also checked without any resulting failures. Therefore, the exact cause of the breaker malfunctions are still unknown. Further investigation is proceeding to identify a possible cause.

Analysis of Occurrence:

The failure of the breaker to close caused Keowee Unit 2 to become temporarily inoperable. Throughout this period, the second Keowee Hydro unit was fully operable and available to supply emergency power to the station if required. The health and safety of the public were not endangered.

Corrective Action:

A determination of proper corrective action will be made when the cause is established. Until that time, extensive investigation and monitoring will continue.

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: _____ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | S C N E E | 1 | 2 | 0 0 0 - 0 0 0 0 1 0 - 0 0 0 | 3 | 4 1 1 1 1 | 4 | _____ | 5
 7 8 9 14 15 25 26 57 58 59
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CONT
 0 1 | REPORT SOURCE | L | 8 | 0 5 0 0 0 0 2 6 9 | 7 | 0 3 0 5 7 8 | 8 | 0 4 0 7 7 8 | 9
 7 8 50 51 58 59 69 74 75 80
 DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 1750 on February 22, 1978, during normal operation, Oconee attempted to
 0 3 | start Keowee Hydro Unit 2 which is a source of auxiliary power for the Oconee
 0 4 | Nuclear Station. The unit failed to start due to an inoperable field flashing
 0 5 | breaker. The unit was started without incident after an investigation had been
 0 6 | completed. Keowee Unit 1 and other sources of auxiliary power for the station
 0 7 | were available if needed so that no loss of emergency power was experienced.
 0 8 | Thus, public health and safety were not endangered.

0 9 | SYSTEM CODE | E E | 11 | CAUSE CODE | X | 12 | CAUSE SUBCODE | X | 13 | COMPONENT CODE | Z Z Z Z Z | 14 | COMP. SUBCODE | Z | 15 | VALVE SUBCODE | Z | 16
 7 8 9 10 11 12 13 18 19 20
 17 | LER/RO REPORT NUMBER | 7 8 | 21 | EVENT YEAR | 7 8 | 22 | SEQUENTIAL REPORT NO. | 0 0 6 | 24 | OCCURRENCE CODE | 0 3 | 28 | REPORT TYPE | L | 30 | REVISION NO. | 0 | 32
 18 | ACTION TAKEN | X | 18 | FUTURE ACTION | A | 19 | EFFECT ON PLANT | Z | 20 | SHUTDOWN METHOD | Z | 21 | HOURS | 0 0 1 0 0 | 22 | ATTACHMENT SUBMITTED | Y | 23 | NRC-4 FORM SUB. | Y | 24 | PRIME COMP. SUPPLIER | L | 25 | COMPONENT MANUFACTURER | Z 9 9 9 | 26
 13 14 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The field flashing breaker has failed on 3 previous occasions. There has been
 1 1 | no determination of cause, as yet. Until the cause has been pinpointed, the
 1 2 | appropriate corrective action will be continued monitoring and investigation.

1 5 | FACILITY STATUS | E | 28 | % POWER | 1 0 0 | 29 | OTHER STATUS | NA | 30 | METHOD OF DISCOVERY | A | 31 | DISCOVERY DESCRIPTION | Operator Observation | 32
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
 1 6 | ACTIVITY CONTENT | Z | 33 | AMOUNT OF ACTIVITY | NA | 35 | LOCATION OF RELEASE | NA | 36
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
 1 7 | PERSONNEL EXPOSURES NUMBER | 0 0 0 | 37 | TYPE | Z | 38 | DESCRIPTION | NA | 39
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
 1 8 | PERSONNEL INJURIES NUMBER | 0 0 0 | 40 | DESCRIPTION | NA | 41
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
 1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 42 | DESCRIPTION | NA | 43
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
 2 0 | ISSUED PUBLICITY | N | 44 | DESCRIPTION | NA | 45
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

NAME OF PREPARER K. R. Wilson

PHONE: (704) 373-8197

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