

09/29/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-269

REC: OREILLY J P
NRC

ORG: PARKER W O
DUKE PWR

DOCDATE: 09/25/78
DATE RCVD: 09/29/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-269/78-019) ON 08/25/78 CONCERNING
CONTROL ROD DRIVE SYSTEM REC'D SIGNAL FROM UNIT INTERGRATED CONTROL SYSTEM TO
"DRIVE RODS" DUE TO SHORT IN STATOR OF ROD 1 OF GROUP 7, THAT ROD DOPPED INTO
THE CORE... AUTOMATIC RUN

PLANT NAME: OCONEE - UNIT 1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: DL

***** 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 ORB#4 BC**W/4 ENCL

INTERNAL:	REG FILE**W/ENCL	NRC PDR**W/ENCL
	I & E**W/2 ENCL	MIPC**W/3 ENCL
	I & C SYSTEMS BR**W/ENCL	EMERGENCY PLAN BR**W/ENCL
	NOVAK/CHECK**W/ENCL	EEB**W/ENCL
	AD FOR ENG**W/ENCL	PLANT SYSTEMS BR**W/ENCL
	HANAUER**W/ENCL	AD FOR PLANT SYSTEMS**W/ENCL
	AD FOR SYS & PROJ**W/ENCL	REACTOR SAFETY BR**W/ENCL
	ENGINEERING BR**W/ENCL	VOLLMER/BUNCH**W/ENCL
	KREGER/J. COLLINS**W/ENCL	POWER SYS BR**W/ENCL
	K SEYFRIT/IE**W/ENCL	

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

AP

R

DISTRIBUTION: LTR 44 ENCL 44
SIZE: 1P+1P+1P

CONTROL NBR: 781430137

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

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

September 25, 1978

TELEPHONE: AREA 704
373-4083

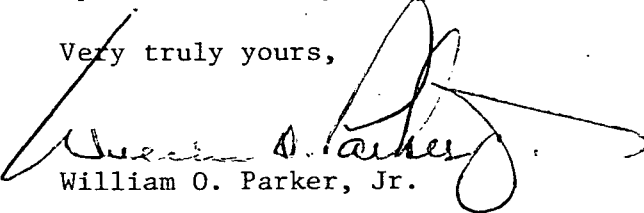
Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

RE: Oconee Unit 1
Docket No. 50-269

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-269/78-19.

Very truly yours,


William O. Parker, Jr.

RLG:scs

cc: Director, Office of Management Information
and Program Control

781430137

A002
5/11

DUKE POWER COMPANY
OCONEE UNIT 1

Report Number: RO-269/78-19

Report Date: September 25, 1978

Occurrence Date: August 25, 1978

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Control Rod Stator Inoperable

Conditions Prior to Occurrence: 100% FP

Description of Occurrence:

On August 25, 1978 the control rod drive system received a "drive rods" signal from the unit integrated control system. At that time, Rod 1 of Group 7 fell into the core and reactor power ran back to 55% because of the dropped rod. Technicians determined that an "A" phase-to-neutral short had caused the rod to drop. Reactor power was maintained at 55% and unit operation continued until refueling shutdown on September 2, 1978.

Apparent Cause of Occurrence:

The stator of Rod 1 of Group 7 was shorted. Apparent cause was corrosion of the winding due to moisture.

Analysis of Occurrence:

When the control rod dropped into the core, a reactor runback to 55% occurred. The maximum indicated tilt was 6.93%. The indicated tilt leveled out at 1.3%, well below the limit in Specification 3.5.2. No safety limits were approached during this incident. It is concluded that the health and safety of the public were not endangered by this incident.

Corrective Action:

The stator will be returned to the manufacturer for failure analysis.

LICENSEE EVENT REPORT

EXHIBIT A

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

01 | S | C | N | E | E | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

CON'T
01 | L | 6 | 0 | 5 | | 0 | 0 | 0 | 2 | 6 | 9 | 7 | 0 | 8 | 2 | 5 | 7 | 8 | 8 | 0 | 9 | 2 | 5 | 7 | 8 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | The control rod drive system received a signal from the unit intergrated
03 | control system to "drive rods" due to the short in the stator of Rod 1 of
04 | Group 7, that rod dropped into the core. Automatic runback to 55% power
05 | occurred. The health and safety of the public were not endangered by this
06 | incident.
07 |
08 |

09 | R | B | 11 | E | 12 | 4 | 13 | C | R | D | R | V | E | 14 | Z | 15 | Z | 16
17 | 7 | 8 | 0 | 1 | 9 | 0 | 3 | L | 0
18 | A | Z | B | Z | 0 | 0 | 0 | Y | Y | N | D | 1 | 5 | 0 | 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The stator shorted due to moisture and corrosion in the winding. The stator
11 | will be sent to the manufacturer for examination. During the current refuel-
12 | ing outage, all Unit 1 stators will be examined.
13 |
14 |

15 | E | 28 | 1 | 0 | 0 | 29 | NA | A | 31 | Operational Event | 32
16 | Z | 33 | Z | 34 | NA | NA | LOCATION OF RELEASE | 36
17 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39
18 | 0 | 0 | 0 | 40 | NA | 41
19 | Z | 42 | NA | 43
20 | Z | 44 | NA | 45