

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

COPIES RECEIVED

SUBJECT: 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
I & E**W/2 ENCL
I & C SYSTEMS BR**W/ENCL
NOVAK/CHECK**W/ENCL
AD FOR ENG**W/ENCL
HANAUER**W/ENCL
AD FOR SYS & PROJ**W/ENCL
ENGINEERING BR**W/ENCL
KREGER/J. COLLINS**W/ENCL
K SEYFRIT/IE**W/ENCL

NRC PDR**W/ENCL
MIPC**W/3 ENCL
EMERGENCY PLAN BR**W/ENCL
EEB**W/ENCL
PLANT SYSTEMS BR**W/ENCL
AD FOR PLANT SYSTEMS**W/ENCL
REACTOR SAFETY BR**W/ENCL
VOLLMER/BUNCH**W/ENCL
POWER SYS BR**W/ENCL

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

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

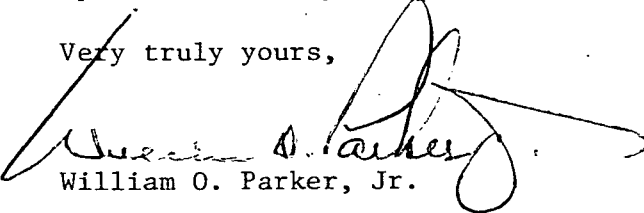
Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

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

Aug 2
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: 1										(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)																																																	
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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES		10		The control rod drive system received a signal from the unit intergrated		control system to "drive rods" due to the short in the stator of Rod 1 of		Group 7, that rod dropped into the core. Automatic runback to 55% power		occurred. The health and safety of the public were not endangered by this		incident.																																															
02		03		04		05		06		07		08		09		10		11		12		13																																					
SYSTEM CCODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE		COMP. SUBCODE		VALVE SUBCODE		LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.																																					
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ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER																																											
A		Z		B		Z		0000		Y		Y		N		D150																																											
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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS		27		The stator shorted due to moisture and corrosion in the winding. The stator		will be sent to the manufacturer for examination. During the current refuel-		ing outage, all Unit 1 stators will be examined.																																																			
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FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION		LOCATION OF RELEASE		PERSONNEL EXPOSURES		PERSONNEL INJURIES		LOSS OF OR DAMAGE TO FACILITY																																											
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ACTIVITY TAKEN		CONTENT		AMOUNT OF ACTIVITY		PERSONNEL EXPOSURES		PERSONNEL INJURIES		LOSS OF OR DAMAGE TO FACILITY		PUBLCITY ISSUED		NRC USE ONLY																																													
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NAME OF PREPARER		K. R. Wilson		PHONE:		(704) 373-8197																																																					
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