

A 05/02/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL

50-269

REC: OREILLY J P  
NRC

ORG: PARKER W O  
DUKE PWR

DOCDATE: 03/15/78  
DATE RCVD: 05/01/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED  
LTR 1 ENCL 1

SUBJECT:  
FORWARDING LICENSEE EVENT REPT (RO 50-269/78-4) ON 03/01/78 CONCERNING AFTER  
PERFORMANCE OF INSTRUMENT CHANNEL ON-LINE TEST THE 1B RBCU CIRCUIT BREAKER  
CLOSED AS THE UNIT WAS BEING SHIFTED TO HIGH SPEED, LEAVING TWO RBCU'S  
OUT-OF-SVC CONTRARY TO TECH SPEC 3.3.

PLANT NAME: OCONEE - UNIT 1

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: *u*

\*\*\*\*\* 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 REID\*\*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: 781220086

\*\*\*\*\* THE END \*\*\*\*\*

ADP

DUKE POWER COMPANY

POWER BUILDING

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

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

TELEPHONE AREA 704  
373-4083

March 15, 1978

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

RE: Oconee Unit  
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-269/78-4.

Very truly yours,

*W.O. Parker, Jr.*  
William O. Parker, Jr.

/mh

Attachment

cc: Director, Office of Management Information  
and Program Control

REGULATORY DOCKET FILE COPY

781220086

A002  
5/1

DUKE POWER COMPANY  
OCONEE UNIT 1

Report Number: RO-269/78-4

Report Date: March 15, 1978

Occurrence Date: March 1, 1978

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Two Reactor Building Cooling Units simultaneously inoperable

Conditions Prior to Occurrence: 100 per cent full power

Description of Occurrence:

At 0430 on February 28, 1978 the 1C Reactor Building Cooling Unit (RBCU) was taken out-of-service to repair valve LPSW-24. At 1357 the 1B RBCU circuit breaker tripped putting a second RBCU out-of-service. The breaker was reset to restore the capability of the 1B RBCU to run at low speed. At 1512 the 1C RBCU was returned to high speed service following completion of valve repacking. At 1550 the 1B unit was started in low speed to verify its operability. At approximately 0900 on March 2 it was discovered that the instantaneous breaker trip setting for RBCU 1B was too low and was corrected.

Apparent Cause of Occurrence

The apparent cause of the breaker failure was insufficient installation procedures which allowed the breaker's instantaneous trip point to be set too low. The breaker is adjusted so that any power surge associated with low speed startup does not trip the breaker since its function is not related to startup current distortions. However, the procedure does not assure that the breaker will not trip when the unit is shifted to high speed. When the set point was readjusted higher the unit achieved high speed without incident.

Additionally, it was not prudent to test the unit with one of the redundant systems already out-of-service for repairs. Normally, this would have been inconsequential but in this case it caused the momentary exceedance of Technical Specification operating limits.

Analysis of Occurrence

The simultaneous outage of two RBCU's was in violation of Technical Specification 3.3.1. One RBCU was inoperable due to maintenance, the other's breaker had tripped open. The 1B RBCU breaker was reset within about 5 minutes to provide the redundant cooling unit. Both building spray systems were also available. The health and safety of the public were not endangered.

### Corrective Action

The immediate corrective action was resetting the breaker. Additionally, the instantaneous trip setpoint was increased to an appropriate level.

## EXHIBIT A

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONT  
0 1  
7 8

REPORT SOURCE L 6 0 5 0 0 0 2 6 9 7 0 3 0 1 7 8 8 0 3 1 5 7 8 9  
60 81 DOCKET NUMBER 68 89 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

08 capacity was available, public health and safety were not endangered.

80

SYSTEM CODE S B (11)		CAUSE CODE D (12)		CAUSE SUBCODE Z (13)		COMPONENT CODE C K T B R K (14)				COMP. SUBCODE A (15)		VALVE SUBCODE Z (16)			
7 8		9 10		11 12		13 14 15 16 17				18 19		20 21			
(17) LE/R/O REPORT NUMBER 7 8		EVENT YEAR 7 8		SEQUENTIAL REPORT NO. 0 0 4		OCCURRENCE CODE 0 1				REPORT TYPE T		REVISION NO. 0			
21 22		23 24		25 26		27 28 29				30 31		32			
ACTION TAKEN X (18)		FUTURE ACTION Z (19)		EFFECT ON PLANT Z (20)		SHUTDOWN METHOD Z (21)		HOURS 0 0 0 0 (22)				ATTACHMENT SUBMITTED Y (23)		NPRO-4 FORM SUB. N (24)	
33 34		35 36		37 38		39 40				41 42		43 44			
PRIME COMP. SUPPLIER L (25)		COMPONENT MANUFACTURER G 0 8 0 (26)													
45 46		47 48													

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

14 and its setpoint was adjusted.

PUBLICITY  
 ISSUED DESCRIPTION (45)  
 20 N 44 NA  
 NRC USE ONLY

PHONE: (704)<sup>88</sup> 373-8197<sup>89</sup>