

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL:50-269 Oconee Nuclear Station, Unit 1, Duke Power Co.
 AUTH.NAME PHILPOTT,F.T. AUTHOR AFFILIATION Duke Power Co.
 RECIP.NAME REGION 2, Atlanta, Office of the Director

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SUBJECT: LER 80-020/01T-0: on 800619, at 74% power, backup 125 VDC power to instrumentation & control power sys removed from svc to investigate ground exceeding 24-h limit. Caused by personnel error misinterpreting Tech Spec limitation.

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NOTES: M. CUNNINGHAM - ALL AMENDS TO FSAR & CHNGS TO TECH SPEC

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	A/D	LICENSING		1	1	A/D	MATL & QUAL		1	1
	A/D	OP REACTORS		1	1	A/D	PLANT SYS		1	1
	A/D	RAD PROT		1	1	A/D	SFTY ASSESS		1	1
	A/D	TECHNOLOGY		1	1	ACC	EVAL BR		1	1
	AEOD			10	10	AUX	SYS BR		1	1
	CHEM	ENG BR		1	1	CONT	SYS BR		1	1
	CORE	PERF BR		1	1	DIR,	ENGINEERING		1	1
	DIR,	HUM FAC SFY		1	1	DIR,	SFTY TECH		1	1
	DIR,	SYS INTEG		1	1	EFF	TR SYS BR		1	1
	EMERG	PREP		1	1	ENV	ENG BR		1	1
	EQUIP	QUAL BR		1	1	GEN	ISSUES BR		1	1
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	HYD/GEO	BR		1	1	I&C	SYS BR		1	1
	I&E		09	2	2	JORDAN,	E./IE		1	1
	LIC	GUID BR		1	1	LIC	QUAL BR		1	1
	MATL	ENG BR		1	1	MECH	ENG BR		1	1
	MOORE,	V.		1	1	MPA		11	3	3
	NRC	PDR	02	1	1	OP	EX EVAL BR		3	3
	OR	ASSESS BR		1	1	POWER	SYS BR		1	1
	PPAS			1	1	PROC/TST	REV BR		1	1
	QA	BR		1	1	RAD	ASSESS BR		1	1
	REACT	SYS BR		1	1	REG	FILE	01	1	1
	REL &	RISK A BR		1	1	SFTY	PROG EVAL		1	1
	SIT	ANAL BR		1	1	STRUCT	ENG BR		1	1
	SYS	INTERAC BR		1	1	TERA:	DOUG MAY		1	1
EXTERNAL:	ACRS			16	16	LPDR		03	1	1
	NSIC		04	1	1					

JUL 14 1980

DUKE POWER COMPANY
OCONEE NUCLEAR STATION

Report Number: RO-269/80-20

Report Date: July 3, 1980

Occurrence Date: June 19, 1980

Facility: Oconee Nuclear Station, Seneca, South Carolina

Identification of Occurrence: Lack of 125 VDC Instrumentation and Control
Power System Redundancy

Conditions Prior to Occurrence: Oconee 1 - 75% Full Power
Oconee 2 - RCS Heatup
Oconee 3 - Cold Shutdown

Description of Occurrence:

During an investigation of a ground alarm on the 2CA and 2CB Instrumentation and Control (I&C) batteries, backup 125V DC power to the I&C Power System was removed from service by the disconnection of the isolating transfer diodes. This occurred at 2322 hours on June 18, 1980. The isolating transfer diodes were not reconnected until 0930 hours on June 21, 1980. This exceeds the 24 hour limit on inoperability allowed by Technical Specification 3.7.2(d).

Apparent Cause of Occurrence:

Although the Technical Specifications had been consulted to determine whether the transfer diodes could be isolated, the personnel involved failed to note the requirement to restore operability within 24 hours.

The disconnection of the isolating transfer diodes was not noted in either the Control Room (CR) or Senior Reactor Operators' (SRO) Log. In addition, this information was not passed along during the Shift Relief and Turnover.

Analysis of Occurrence:

Units 1 and 2 were without the required automatic backup DC power to the I&C DC Power Systems for a period of 58 hours. However, both CA and CB batteries, their respective chargers, and distribution centers for Units 1, 2, and 3 were at all times available and could have been restored to normal status had the need arisen. Thus, although the incident is reportable pursuant to Technical Specification 6.6.2.1.a(2), it is not considered significant with respect to safe operation, and the health and safety of the public were not affected.

Corrective Action:

The 125 VDC I&C Power Systems for Units 1, 2, and 3 were restored to normal operation at 0930 hours on June 21, 1980.

All involved personnel have been counseled on the importance of logging events pertaining to safety-related equipment in the Unit SRO or Unit RO logs. In addition, it has been proposed that the CR Operator fill out a shift turnover sheet similar to that now filled out by the Unit Supervisor. Finally, a detailed training session on Technical Specification 3.7, Auxiliary Electrical Systems, is to be given to involved personnel to allow better interpretation and understanding.

