

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8006260175 DOC.DATE: 80/05/21 NOTARIZED: NO
 FACIL:50-269 Oconee Nuclear Station, Unit 1, Duke Power Co.
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DOCKET #
05000269

SUBJECT: LER 80-014/03L-0: on 800521, units started, but would not load above approx 30 MWe. Caused by loose wire in partial shutdown circuit. Wire secured & unit verified operable. Monthly maint procedure modified to include wire check.

DISTRIBUTION CODE: A002S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2+1
 TITLE: Incident Reports

NOTES: M. CUNNINGHAM: ALL AMENDS TO FSAR & CHANGES TO TECH SPECS.

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTR	ENCL	ID CODE/NAME	LTR	ENCL
	BC REID, R.	05	1 1	PM FAIRTILE, 06 M.	3 3	
INTERNAL:	A/D CORE & CS		1 1	A/D RAD PROT	1 1	
	A/D REACT SYS		1 1	A/D TECHNOLOGY	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	EMERG PREP	1 1	
	EQUIP QUAL BR		1 1	HANAUER, S.	1 1	
	I&C SYS BR		1 1	I&E	09 2 2	
	JORDAN, E./IE		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	
	PPAS		1 1	QA BR	1 1	
	<u>REG FILE</u>	01	1 1	SIT ANAL 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			

JUN 27 1980

DUKE POWER COMPANY
OCONEE NUCLEAR STATION

Report Number: RO-269/80-14

Report Date: June 19, 1980

Occurrence Date: May 21, 1980

Facility: Oconee Nuclear Station, Seneca, South Carolina

Identification of Occurrence: Keowee Unit 2 Inoperable Due to Failure of
Partial Shutdown Solenoid Circuit

Conditions Prior to Occurrence: Oconee 1 72% Full Power
Oconee 2 Cold Shutdown
Oconee 3 100% Full Power

Description of Occurrence:

On May 21, 1980, Keowee Unit 2 was started and synchronized at the request of a system dispatcher. However, the unit would not load above approximately 30 MWe. The unit was declared inoperable at that time. Keowee Unit 1 was then started and verified available pursuant to Technical Specification 3.7.2(b).

Apparent Cause of Occurrence:

The failure of Keowee Unit 2 to load up properly was caused by a loose wire in the partial shutdown circuit. The loose wire prevented the partial shutdown solenoid from energizing. The partial shutdown solenoid is energized during emergency starts in order to have the wicker gate open to 50%.

Analysis of Occurrence:

Keowee Unit 1 was started and verified operable promptly after Unit 2 was declared inoperable. Keowee Unit 2 was repaired and returned to service less than four hours after it was taken out of service, well within the allowed 72 hour period. This incident constitutes operation in a degraded mode permitted by a limiting condition for operation, and must be reported pursuant to Technical Specification 6.6.2.1.b(2). Since Keowee Unit 1 was available through the underground feeder, Oconee's requirement for emergency power was met. Thus, this incident was of no significance with respect to safe operation, and the health and safety of the public were not affected.

Corrective Action:

The loose wire was secured and Unit 2 was verified operable by remote-starting of the unit and verification of proper loading.

The reason for the loose wire is difficult to determine. However, in order to prevent a similar occurrence, a step has been added to the monthly preventive maintenance procedure for the Keowee units to check for loose wiring.

LICENSEE EVENT REPORT

EXHIBIT A

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

0 1 | S C N E E I | 0 0 - 0 0 0 0 0 - 0 0 | 3 4 | 1 1 1 1 | 0 1 | 5

0 1 | L | 0 5 0 0 0 2 6 9 | 7 0 1 5 2 1 8 0 | 0 6 1 9 8 0 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

0 2 | On May 21, 1980, Keowee Unit 2 was started but would not load above about 30
0 3 | MWe. The unit was declared inoperable and Keowee Unit 1 was verified available
0 4 | pursuant to Technical Specification 3.7.2(b). Unit 2 was repaired, verified
0 5 | operable, and returned to service in less than 4 hours, well within the 72
0 6 | hours allowed per Technical Specification 3.7.2(b). Thus, this incident was
0 7 | not significant with respect to safe operation, and the health and safety of
0 8 | the public were not affected.

0 9 | SYSTEM CCDE: E A | CAUSE CODE: E | CAUSE SUBCODE: A | COMPONENT CODE: E L E C O N | COMP. SUBCODE: Z | VALVE SUBCODE: Z
17 | LER/RO REPORT NUMBER: 8 0 | SEQUENTIAL REPORT NO.: 0 1 4 | OCCURRENCE CODE: 0 3 | REPORT TYPE: L | REVISION NO.: 0
18 | ACTION TAKEN: B | FUTURE ACTION: G | EFFECT ON PLANT: Z | SHUTDOWN METHOD: Z | HOURS: 0 1 0 0 | ATTACHMENT SUBMITTED: Y | NPRO-4 FORM SUB.: Y | PRIME COMP. SUPPLIER: L | COMPONENT MANUFACTURER: X 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

1 0 | The failure of Keowee Unit 2 to load up properly was caused by a loose wire in
1 1 | the partial shutdown circuit. The loose wire was secured and Unit 2 was
1 2 | verified operable by remote starting of the unit and verification of proper
1 3 | loading. In addition, a step was added to the monthly preventive maintenance
1 4 | procedure to check for loose wiring.

1 5 | FACILITY STATUS: E | % POWER: 0 7 2 | OTHER STATUS: NA | METHOD OF DISCOVERY: A | DISCOVERY DESCRIPTION: Routine startup of Keowee unit.
1 6 | ACTIVITY CONTENT: Z | AMOUNT OF ACTIVITY: NA | LOCATION OF RELEASE: NA
1 7 | PERSONNEL EXPOSURES: 0 0 0 | TYPE: Z | DESCRIPTION: NA
1 8 | PERSONNEL INJURIES: 0 0 0 | DESCRIPTION: NA
1 9 | LOSS OF OR DAMAGE TO FACILITY: Z | DESCRIPTION: NA
2 0 | PUBLICITY ISSUED: N | DESCRIPTION: NA

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