

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL:50-269 Oconee Nuclear Station, Unit 1, Duke Power Co. 05000269
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SUBJECT: LER 80-028/03L-0: on 800903, HPSW pump started due to loss of power to EWST level sensing switches. Caused by lightning striking cable leading to EWST. Lightning arrestors replaced.

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 TITLE: Incident Reports

NOTES: M Cunningham: all amends to FSAR & changes to Tech Specs. 05000269
 AEOD, Ornstein: lcc.

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	EQUIP QUAL BR25		1	1	GEOSCIENCES 26	1	1	
	I&C SYS BR 29		1	1	I&E 05	2	2	
	JORDAN, E./IE		1	1	LIC GUID BR 30	1	1	
	LIC QUAL BR 31		1	1	MATL ENG BR 32	1	1	
	MECH ENG BR 33		1	1	MPA	3	3	
	NRC PDR 02		1	1	OP EX EVAL BR34	3	3	
	OR ASSESS BR 35		1	1	POWER SYS BR 36	1	1	
	RAD ASSESS BR39		1	1	REACT SYS BR 40	1	1	
	REG FILE 01		1	1	REL & RISK A 41	1	1	
	SFTY PROG EVA42		1	1	STRUCT ENG BR44	1	1	
	SYS INTERAC B45		1	1				
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 OCT 9 1980

DUKE POWER COMPANY
OCONEE NUCLEAR STATION

Report Number: RO-269/80-28

Report Date: October 3, 1980

Occurrence Date: September 3, 1980

Facility: Oconee Nuclear Station, Seneca, South Carolina

Identification of Occurrence: Loss of Power to Elevated Water Storage Tank
Level Sensing Switches

Conditions Prior to Occurrence: Oconee 1: 57% FP
Oconee 2: 59% FP
Oconee 3: ~97% FP

Description of Occurrence:

At 1445 on September 3, 1980 the "A" High Pressure Service Water (HPSW) pump started due to a loss of power to the Elevated Water Storage Tank (EWST) level sensing switches. The pump was placed in the "off" position and hence had to be operated manually. The EWST level and pressure was monitored in the control room such that the HPSW pump could be manually started if needed. This constitutes operation in a degraded mode per Technical Specification 3.17.2 and is thus reportable pursuant to Technical Specification 6.6.2.1.b(2).

Apparent Cause of Occurrence:

On September 3, 1980, lightning struck the cable leading to the EWST. This initiated an automatic start of the "A" HPSW pump. The lightning arrestors performed their intended function by shorting the current generated by the lightning to ground thus protecting the cable from destruction.

Analysis of Occurrence:

The loss of power to the EWST effectively disabled the auto initiate function of the HPSW system. However, manual operation was still available and all other functions remained operable. In addition, the level in the EWST was monitored during the period that the auto initiate function was inoperable. 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:

Technicians determined that the cable short was due to a shorted lightning arrestor on the power cable leading to the pressure switches. The lightning arrestor was replaced and the pressure switches were returned to service.

