

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8708030237 DOC. DATE: 87/07/28 NOTARIZED: NO DOCKET #
 FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co. 05000269
 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270
 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287
 AUTH. NAME AUTHOR AFFILIATION
 TUCKER, H. B. Duke Power Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Submits statement inadvertently omitted in Item A.1.c of
 encl proposed confirmatory order amend. While operating under
 confirmatory order, temp data will be reviewed once per day &
 highest temp will be documented per procedure. W/o encl.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2
 TITLE: OR Submittal: General Distribution

NOTES: AEOD/Ornstein: 1cy. 05000269
 AEOD/Ornstein: 1cy. 05000270
 AEOD/Ornstein: 1cy. 05000287

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD2-3 LA	1 0	PD2-3 PD	5 0
	PASTIS, H	1 1		
INTERNAL:	ARM/DAF/LFMB	1 0	NRR/DEST/ADE	1 1
	NRR/DEST/ADS	1 1	NRR/DEST/CEB	1 1
	NRR/DOEA/TSB	1 1	NRR/PMAS/ILRB	1 1
	OGC/HDS2	1 0	REG FILE 01	1 1
	RES/DE/EIB	1 1		
EXTERNAL:	EG&G BRUSKE, S	1 1	LPDR	1 1
	NRC PDR	1 1	NSIC	1 1
NOTES:		1 1		

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

July 28, 1987

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Sir:

By letter dated April 10, 1987, the NRC issued a Confirmatory Order for Oconee Nuclear Station which established new interim maximum allowable power levels and corresponding changes to the Reactor Protective System (RPS) high flux trip setpoints for Units 1 and 2 while the Low Pressure Injection System (LPI) coolers and the Reactor Building Cooling Unit (RBCU) coolers were in a degraded mode. A request to modify this order was transmitted in a July 24, 1987 letter to the NRC from Duke Power Company.

In the Proposed Confirmatory Order Amendment (Attachment 1) a statement was inadvertently omitted in Item A.1.c. This paragraph will read as follows:

"in addition to the requirements of Technical Specification 3.3.2, the remaining non-ES LPI pump, capable of taking suction from the reactor building emergency sump and discharging into the RCS, shall be operable. The remaining non-ES LPI pump may be inoperable for a period of 24 hours. If the non-ES LPI pump is not restored to operable status within 24 hours, the reactor shall be placed in a hot shutdown condition within an additional 12 hours. If the requirements of 3.3.8(b) are not met within 24 hours following hot shutdown, the reactor shall be placed in a condition with RCS pressure below 350 psig and RCS temperature below 250 degrees F within an additional 24 hours".

In addition, while operating under this confirmatory order, temperature data will be reviewed once per day and the highest temperature will be documented according to procedure. Also a reduction in the RPS High Flux trip setpoint and rated power to 89.6% and 85.3% for Unit 1 will be initiated prior to the temperature readings reaching 74.5°F and 79.5°F, respectively. Similar steps will be taken for Unit 2 such that the RPS trip setpoint and rated power will be 93% prior to reaching a lake temperature of 79.5°F.

Specific safety related equipment loads which were evaluated included the LPI coolers, RBCU coolers, High Pressure Injection (HPI) pump motor coolers, Motor Driven Emergency Feedwater (MDEFDW) pump motor coolers, and the Turbine Driven Emergency Feedwater (TDEFDW) pump coolers for the bearing jacket and turbine lube oil. The LPI cooler and RBCU Performance Methodologies were discussed in a Duke

8708030237	870728
PDR	ADOCK 05000269
P	PDR

A001
1/0

July 28, 1987

Page Two

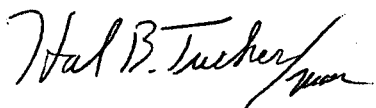
Power letter dated April 6, 1987. The HPI pump motor coolers, MDEFDW pump motor coolers and the TDEFDW pump bearing jacket cooler were all designed to operate properly with cooling water inlet temperatures greater than 85°F at design flowrates. Sufficient margin exists for cooling water temperature increases from 75°F to 85°F for these components. The design inlet cooling water temperature for the lube oil cooler is 78°F at design flowrate. The maximum inlet oil temperature for continuous operation is 160°F at design flowrate and bearing heat load. The TDEFDW pumps are tested annually and allowed to reach equilibrium conditions. Test data indicates that for a cooling water inlet temperature of 78°F, the oil reaches 129.7°F equilibrium temperature. Since flowrates and heat loads from the bearings remain constant, a 7°F increase in cooling water inlet temperature will not affect the 30°F margin in oil equilibrium temperature.

CCW inlet temperature is measured at Oconee using RTDs which are located at the inlets to the condenser waterboxes, downstream of the CCW pumps. Each unit has a total of 6 RTDs, two per waterbox. These RTDs are calibrated on a yearly frequency. The latest calibration dates are June 19, 1987 for Unit 1, May 29, 1987 for Unit 2 and May 27, 1987 for Unit 3.

Hourly averages, minimum hourly averages and maximum hourly averages are calculated by the Operator Aid Computer (OAC) and logged on the Environmental Monitoring Report log and on the Utility Typer in the control room once every hour for each unit and for the station. Daily averages, minimum daily averages and maximum daily averages are also calculated by the OAC and logged on the Environmental Monitoring Report log once every 24 hours for each unit and for the station.

Please contact us if further questions exist regarding this matter.

Very truly yours,



Hal B. Tucker

WHM/63/sbn

Attachment

xc: Dr. J. Nelson Grace
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. Heyward Shealy, Chief
Bureau of Radiological Health
S.C. Department of Health and
Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Ms. Helen Pastis
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. J. C. Bryant
NRC Resident Inspector
Oconee Nuclear Station