

SEP 17 1973

Docket No. 50-269

J. M. Hendrie, Deputy Director for Technical Review, L

TECHNICAL ASSISTANCE REQUEST FOR OCONEE UNIT 1

Technical assistance is requested for:

- a. Oconee Unit 1 (Duke Power Company)
- b. Post OL
- c. Docket No. 50-269
- d. L:PWR-4, I. A. Peltier, LPM
- e. Reactor Systems, Core Performance and Mechanical Engineering Branches.
- f. Review Oconee Unit 1 reactor coolant flow evaluation (B&W NSS).

Oconee Unit 1 was designed for a minimum reactor coolant flow rate of  $131.32 \times 10^6$  pounds per hour at full rated power. Partially because of internal changes resulting from redesign and refabrication, the reactor coolant flow rate has been measured to be  $140.34 \times 10^6$  pounds per hour at 75% power.

For safety analysis purposes, Duke Power Company has established  $134.34 \times 10^6$  pounds per hour as the minimum flow rate at rated power to meet DNBR requirements in lieu of the  $131.32 \times 10^6$  pounds per hour FSAR value.

The maximum reactor coolant system flow rate based upon fuel assembly lift limitations remains at 110.8% of the FSAR minimum design flow rate ( $131.32 \times 10^6$  lb/hr).

- g. We request that TR review this matter to assure us that the higher flow rate and method of analysis are acceptable prior to the prospective decision date (October 4, 1973) for Oconee Unit 2 since this matter influences our Oconee Unit 2 decision.

OFFICE ▶						
SURNAME ▶						
DATE ▶						

Attached are four copies of the August 23, 1973 Duke report on this matter.

R. C. DeYoung, Assistant Director  
for Pressurized Water Reactors  
Directorate of Licensing

Enclosure:  
Oconee 1 Reactor Coolant Flow  
Evaluation (4), dtd 8/23/73

cc: WMcDonald, OPS  
TNovak, RSB, L  
JKnight  
DRoss, CPB, L  
DSkovholt, OR, L

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OFFICE ▶	x7548/L:PWR-4	L:PWR-4	L:ADPWR	
SURNAME ▶	IAPeltier:cjr	ASchwencer	RCDeYoung	
DATE ▶	9/14/73	9/14/73	9/17/73	

Form AEC-318 (Rev. 9-53) AECN 0240

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