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Dockets Nos. 50-269/270/287

Duke Power Company  
ATTN: Mr. William O. Parker, Jr.  
Vice President  
Steam Production  
Post Office Box 2178  
422 South Church Street  
Charlotte, North Carolina 28242

Gentlemen:

RE: OCONEE STATION, UNITS 1, 2 & 3

Our review of your Technical Specifications indicates that no requirements exist for the testing of reactor core internal vent valves. Since the vent valves are assumed functional to prevent vapor lock in the reactor vessel after a postulated cold leg break, it is considered appropriate that Technical Specifications be provided to verify that the vent valves are free to operate and that the forces required to operate them do not exceed those forces that would be generated by the differential pressures expected to exist across the reactor inlet and outlet plenums, as identified in your FSAR, should a vapor lock condition develop following a LOCA.

You are requested to propose changes to your Technical Specifications at least 90 days prior to your next refueling outage that will implement surveillance testing requirements to accomplish the above. Sample technical specifications are enclosed for guidance in preparing your submittal.

Sincerely,  
Original signed by

A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Enclosure:  
Sample Technical Specifications

cc w/encl: See next page

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Duke Power Company

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October 12, 1976

cc: Mr. William L. Porter  
Duke Power Company  
P. O. Box 2178  
422 South Church Street  
Charlotte, North Carolina 28242

Mr. Troy B. Conner  
Conner & Knotts  
1747 Pennsylvania Avenue, N. W.  
Washington, D. C. 20006

Oconee Public Library  
201 South Spring Street  
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### 3.0 LIMITING CONDITIONS FOR OPERATION

#### A. Reactor Vessel Internals Vent Valves

1. The structural integrity and operability of the reactor internals vent valves shall be maintained at a level consistent with the acceptance criteria in specification ( ).

### 4.0 SURVEILLANCE REQUIREMENTS

#### A. Reactor Vessel Internals Vent Valves

1. At least once each refueling cycle, each reactor vessel internals vent valve shall be demonstrated operable by:
  - a. Conducting a remote visual inspection of visually accessible surfaces of the valve body and disc sealing faces and evaluating any observed surface irregularities.
  - b. Verifying that the valve is not stuck in an open position, and
  - c. Verifying through manual actuation that the valve begins to open from the fully closed position with a force equivalent to  $\leq (0.15)$  psid, and is fully open with a force equivalent to  $\leq (0.30)$  psid.

## BASES

### 3/4.0 Reactor Vessel Internals Vent Valves

1. The internals vent valves are provided to relieve the pressure generated by steaming in the core following a LOCA so that the core remains sufficiently covered. Inspection and manual actuation of the internals vent valves (1) ensure Operability, (2) ensure that the valves are not open during normal operation, and (3) demonstrate that the valves begin to open and are fully open at the forces equivalent to the differential pressures assumed in the safety analysis.