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DOCKET #  
 05.000269  
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 05.000287

AUTH. NAME PARKER, W.O. AUTHOR AFFILIATION DUKE POWER CO.  
 RECIP. NAME DENTON, H.R. RECIPIENT AFFILIATION OFFICE OF NUCLEAR REACTOR REGULATION

SUBJECT: Forwards proposed rev to subj facil Tech Specs. Proposed exception, 3.3.6(f), would allow inoperability of one Reactor Bldg Spray Pump for up to 72 hours provided all Reactor Bldg Cooling Units are operable. W/attach affidavit.

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NOTES: w/check \$4,800.00, M. Cunningham - All amendments to FSAR + changes to Tech Specs

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APP-2

# DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

December 22, 1978

TELEPHONE: AREA 704  
373-4083

REGULATORY DOCKET FILE COPY

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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

Dear Sir:

Pursuant to 10CFR50, §50.90 please find attached a proposed revision to Oconee Nuclear Station Technical Specification 3.3, "Emergency Core Cooling, Reactor Building Cooling and Reactor Building Spray Systems." The proposal involves modification of Section 3.3.6 "Exceptions to 3.3.5 . . ." to incorporate Standard Technical Specification limitations on the operability of Reactor Building Spray Pumps. The proposed exception, 3.3.6(f), would allow the inoperability of one Reactor Building Spray Pump for up to 72 hours provided all Reactor Building Cooling Units are operable.

The basis for extending the allowed period of inoperability is as follows:

- (1) The 72 hour period is consistent with Standard Technical Specifications (Section 3.6.2.1 of NUREG-0103).
- (2) The probability of a DBA LOCA within the additional 48 hours is extremely remote.
- (3) In analysis presented in Supplement 13 to the FSAR it was determined that ". . . without Reactor Building spray and only two coolers operable, a maximum building pressure of 53.8 psig was obtained." This maximum pressure is below the design pressure of the containment building.

Proposed Specification 3.3.6(f) will not allow conditions to exist which could effect the safe operation of the Oconee Nuclear Station and will be consistent with Standard Technical Specification requirements.

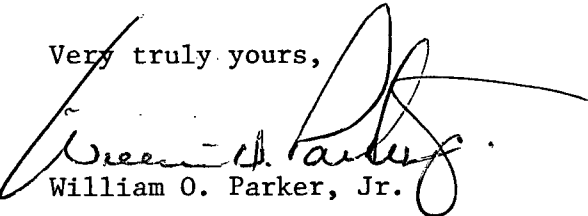
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Acc'd  
3/3  
w/checked  
\$ 4,800.00

Mr. Harold R. Denton, Director  
December 22, 1978  
Page Two

This proposed amendment is considered to constitute one Class III and two Class I amendments since it involves a single issue pertaining to three identical units. Accordingly, a check for \$4,800 is remitted herewith.

Very truly yours,

A handwritten signature in dark ink, appearing to read "William O. Parker, Jr.", with a large, sweeping flourish extending from the end of the signature.

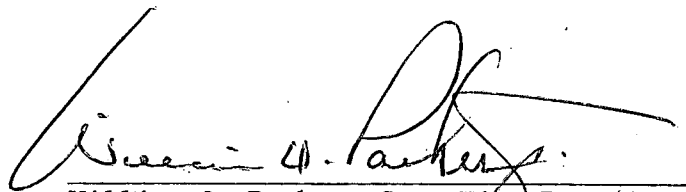
KRW:scs  
Attachments

Mr. Harold R. Denton

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WILLIAM O. PARKER, JR., being duly sworn, states that he is Vice President of Duke Power Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this request for amendment of the Oconee Nuclear Station Technical Specifications, Appendix A to Facility Operating Licenses DPR-38, DPR-47 and DPR-55; and that all statements and matters set forth therein are true and correct to the best of his knowledge.

  
William O. Parker, Jr., Vice President

Subscribed and sworn to before me this 22nd day of December, 1978.

  
Notary Public

My Commission Expires:

February 15, 1982

3.3.6 Exceptions to 3.3.5 shall be as follows:

- (a) Both core flooding tanks shall be operational above 800 psig.
- (b) Both motor-operated valves associated with the core flooding tanks shall be fully open above 800 psig.
- (c) One pressure instrument channel and one level instrument channel per core flood tank shall be operable above 800 psig.
- (d) One reactor building cooling fan and associated cooling unit shall be permitted to be out of service for seven days provided both reactor building spray pumps and associated spray nozzle headers are in service at the same time.
- (e) If the requirements of Specification 3.3.1(f) are not met, the borated water storage tank shall be considered unavailable and action shall be initiated in accordance with Specification 3.2.
- (f) One reactor building spray pump and its associated spray nozzle header shall be permitted to be out of service for 72 hours provided all Reactor Building Cooling Units are operable.

3.3.7 Prior to initiating maintenance on any of the components, the duplicate (redundant) component shall be tested to assure operability.

- 3.3.8
- (a) Reactor power shall not be increased above 60% FP unless three HPI pumps and two HPI flow paths are operable.
  - (b) During power operation above 60% FP, tests or maintenance shall be allowed on any one HPI pump, provided two trains of the HPI system are operable. If the inoperable HPI pump is not restored to operable status within 72 hours, reactor power shall be reduced below 60% FP within an additional 12 hours.
  - (c) If during power operation above 60% FP a high pressure injection flow path becomes inoperable, reactor power shall be reduced below 60% FP within 12 hours.

Bases

The requirements of Specification 3.3 assure that, before the reactor can be made critical, adequate engineered safety features are operable. Two high pressure injection pumps and two low pressure injection pumps are specified. However, only one of each is necessary to supply emergency coolant to the reactor in the event of a loss-of-coolant accident. Both core flooding tanks are required as a single core flood tank has insufficient inventory to reflood the core.(1)

The borated water storage tanks are used for two purposes:

- (a) As a supply of borated water for accident conditions.
- (b) As a supply of borated water for flooding the fuel transfer canal during refueling operation.(2)