



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

December 26, 1990

Docket No. 50-416

Mr. William T. Cottle  
Vice President, Operations GGNS  
Entergy Operations, Inc.  
Post Office Box 756  
Port Gibson, Mississippi 39150

SUBJECT: GRAND GULF NUCLEAR STATION, UNIT 1, CONTAINMENT PURGE SYSTEM TECHNICAL SPECIFICATIONS (TAC NO. 66883)

By letter dated December 6, 1988, the licensee (System Energy Resources, Inc. before June 6, 1990, and Entergy Operations, Inc. on or after June 6, 1990) for Grand Gulf Nuclear Station (GGNS) submitted proposed criteria for limiting the usage of the containment purge system during plant operation and associated changes to the Technical Specifications (TS). These criteria and proposed changes to the TS resulted from License Condition 2.C.(16) which was included in the Operating License to obtain operational experience to be used as the basis for limiting the usage of the purge system. Additional submittals were made on October 3, 1986, March 2, May 22, and December 31, 1987.

The NRC staff has completed its review of these submittals. The staff's Safety Evaluation is enclosed. The staff concludes that the present drywell purge criteria and associated TS 3.6.2.7 are acceptable, but the containment purge criteria and associated TS 3.6.1.9 should be changed to limit purging to 400 hours per year and only for safety-related reasons. The safety-related reasons for using a purge system include high explosive gas concentration, low oxygen concentration, high particulate activity concentration, high radioactive gas concentration, containment pressure outside specified limits and performance of purge system surveillance, maintenance, and modifications or retests. However, control of containment air humidity and air temperature are not safety-related reasons. The staff further concludes that TS 4.6.1.9.1, the surveillance requirement to record the cumulative time the purge valves are open, should be retained.

In accordance with the commitment in your December 6, 1988 letter, within 120 days of receipt of this letter you are requested to submit an application for a license amendment to change the GGNS TS consistent with the enclosed Safety Evaluation.

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Mr. W. T. Cottle  
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Grand Gulf Nuclear Station

cc:

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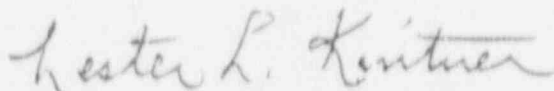
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The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,



Lester L. Kintner, Senior Project Manager  
Project Directorate IV-1  
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Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc w/enclosure:  
See next page