Entergy

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January 18, 2002

U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Technical Specification Bases Update to the NRC for Period Dated January 18, 2002
Grand Gulf Nuclear Station
Docket No. 50-416
License No. NPF-29

GNRO-2002/00010

Ladies and Gentlemen:

Pursuant to Grand Gulf Nuclear Station (GGNS) Technical Specification 5.5.11, Entergy Operations, Inc. hereby submits an update of all changes made to GGNS Technical Specification Bases since the last submittal (GNRO-2001/00081 letter dated October 23, 2001 to the NRC from GGNS). This update is consistent with update frequency listed in 10CFR50.71(e).

This letter does not contain any commitments.

Should you have any questions, please contact Mike Larson at (601) 437-6685.

Yours truly,

Charles A. Bottemiller
Manager, Plant Licensing

MJL/mjl
attachment: GGNS Technical Specification Bases Revised Pages
cc: (See Next Page)

cc:

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Mr. E. W. Merschoff (w/2) Regional Administrator U.S. Nuclear Regulatory Commission Region IV 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011	ALL LETTERS
U.S. Nuclear Regulatory Commission ATTN: Mr. S. P. Sekerak, NRR/DLPM (w/2) **ATTN: FOR ADDRESSEE ONLY** ATTN: U.S. Postal Delivery Address Only Mail Stop O7D1 Rockville, MD 20555-0001	ALL LETTERS – U.S. POSTAL SERVICE MAIL DELIVERY ADDRESS ONLY

ATTACHMENT TO GNRO-2002/00010

GGNS Gulf Technical Specification Bases Revised Pages
Dated
January, 18 2002

LDC#	BASES PAGES AFFECTED	TOPIC of CHANGE
99083	B 3.8-42, 3.8-42a, 3.8-50	Implemented Technical Specification Amendment 149 – Diesel Generator Lube Oil change.

B 3.8 ELECTRICAL POWER SYSTEMS

B 3.8.3 Diesel Fuel Oil, Lube Oil, and Starting Air

BASES

BACKGROUND

Each diesel generator (DG) is provided with a storage tank having a fuel oil capacity sufficient to operate that DG for a period of 7 days while the DG is supplying its surveillance testing capacity as prescribed by Technical Specifications (5740 KW for Division 1 and 2, 3300 KW for Division 3). This capacity exceeds the maximum post loss of coolant accident load demand (Ref. 1). The maximum load demand is calculated using the assumption that at least two DGs are available. This onsite fuel oil capacity is sufficient to operate the DGs for longer than the time to replenish the onsite supply from outside sources.

Fuel oil is transferred from each storage tank to its respective day tank by a transfer pump associated with each storage tank. Redundancy of pumps and piping precludes the failure of one pump, or the rupture of any pipe, valve, or tank to result in the loss of more than one DG. All outside tanks, pumps, and piping are located underground. The fuel oil level in the storage tank is indicated in the control room.

For proper operation of the standby DGs, it is necessary to ensure the proper quality of the fuel oil. Regulatory Guide 1.137 (Ref. 2) addresses the recommended fuel oil practices as supplemented by ANSI N195 (Ref. 3). The fuel oil properties governed by these SRs are the water and sediment content, the kinematic viscosity, specific gravity (or API gravity), and impurity level.

The DG lubrication system is designed to provide sufficient lubrication to permit proper operation of its associated DG under all loading conditions. The system is required to circulate the lube oil to the diesel engine working surfaces and to remove excess heat generated by friction during operation. Each engine oil sump contains an inventory capable of supporting a minimum of 7 days of operation under design basis load and vendor specified consumption rates.

(continued)

BASES

BACKGROUND (continued)

To ensure sufficient margin to compensate for possible higher consumption rates than that specified by the vendor additional reserve volume is required for the Division III engines. This additional volume is maintained in a lube oil storage skid located in the DG Room. The lube oil storage skid consists of three 55 gallon barrels of oil, a pump and hose for transfer of the oil to the sumps, and a catch pan capable of containing the contents of the three 55 gallon barrels of oil (Ref. 7). This supply is sufficient to allow the operator to replenish lube oil from outside sources.

Each DG has an air start system with adequate capacity for five successive start attempts on the DG without recharging the air start receiver(s).

(continued)

BASES

REFERENCES (continued)

4. UFSAR, Chapter 6.

5. UFSAR, Chapter 15.

6. ASTM Standards: D4057-88; D975-92a; D2274-70.

7. GNRI-2001/00127, Amendment 149 to the Operating License.