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

(2) Cgrra 13

MAR 6 1984

MEMORANDUM FOR: Roger J. Mattson, Director, Division of Systems Integration

FROM: L. S. Rubenstein, Assistant Director for Core and Plant Systems, Division of Systems Integration

SUBJECT: RE-REVIEW OF GRAND GULF TECHNICAL SPECIFICATIONS

As requested by your memorandum dated February 27, 1984 we have re-reviewed the following sections of the Grand Gulf Technical Specifications, including the applicable bases section, which are in the Auxiliary Systems Branch (ASB) areas of primary responsibility.

1.18 - Identified Leakage

1.29 - Pressure Boundary Leakage

3/4 3/4.7.4 - Remote Shutdown Monitoring Instrumentation

3/4.4.3 - Reactor Coolant System Leakage

3/4.6.1 - MSIV Leakage Control System

3/4.7.1.1 - Standby Service Water System

3/4.7.1.2 - High Pressure Core Spray Service Water System

3/4.7.1.3 - Ultimate Heat Sink

3/4.7.2 - Control Room Emergency Filtration System

3/4.7.8 - Area Temperature Monitoring System

3/4.7.9 - Spent Fuel Storage Pool Temperature

3/4.9.7 - Crane Travel - Spent Fuel Flood Upper Containment Fuel Storage Pools

3/4.9.9 - Water Level - Spent Fuel and Upper Containment Fuel Storage Pools

3/4.9.12 - Horizontal Fuel Transfer System

5.6 - Fuel Storage

Contact:
J. Ridgely
X29566

8403160089XA

MAR 6 1984

Based on our review, we conclude that the Grand Gulf Technical Specifications are acceptable except for specifications 3/4.6.1, 3/4.7.1.1 and 3/4.7.1.2. Enclosed are copies of those three specifications which have been marked with the appropriate corrections.

L. S. Rubenstein, Assistant Director
for Core and Plant Systems
Division of Systems Integration

Enclosure:
As Stated

cc w/enclosure:
R. Capra
O. Parr
J. Wilson
J. Wermiel
F. Clemenson
J. Ridgely
D. Hoffman

CONTAINMENT SYSTEMS

MSIV LEAKAGE CONTROL SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.1.4 Two independent MSIV leakage control system (LCS) subsystems shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2 and 3.

ACTION:

With one MSIV leakage control system subsystem inoperable, restore the inoperable subsystem to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

4.6.1.4 Each MSIV leakage control system subsystem shall be demonstrated OPERABLE:

a. At least once per 31 days by verifying:

1. Blower OPERABILITY by starting the blowers from the control room and operating the blowers for at least 15 minutes.

2. Heater OPERABILITY by energizing the heaters and verifying a current of 8.65 ~~demonstrating electrical continuity of the heating element circuitry~~ amperes ±10% per phase for each heater.

b. During each COLD SHUTDOWN, if not performed within the previous 92 days, by cycling each motor operated valve through at least one complete cycle of full travel.

c. At least once per 18 months by:

1. Performance of a functional test which includes simulated actuation of the subsystem throughout its operating sequence, and verifying that each automatic valve actuates to its correct position, the blowers start and the heater draws 7.8 to 9.5 amperes per phase.

2. Verifying that the blower developed at least the below required vacuum at the rated capacity.

a) Inboard valves, 15" ± 1" H_2O at 100 scfm.

b) Outboard valves, 50" ± 2" H_2O at 200 scfm.

d. By verifying the inboard flow, inboard and outboard pressure, and inboard temperature instrumentation to be OPERABLE by performance of a:

1. CHANNEL CHECK at least once per 24 hours,
2. CHANNEL FUNCTIONAL TEST at least once per 31 days, and
3. CHANNEL CALIBRATION at least once per 18 months.

3/4.7 PLANT SYSTEMS

3/4.7.1 SERVICE WATER SYSTEMS

STANDBY SERVICE WATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.1.1 Two independent standby service water (SSW) system subsystems shall be OPERABLE with each subsystem comprised of:

a. One OPERABLE SSW pump, and
b. An OPERABLE flow path capable of taking suction from the associated SSW cooling tower basin and transferring the water through the RHR heat exchangers, ECCS pump room seal coolers, and associated coolers and pump heat exchangers.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, 3, 4, 5 and *.

ACTION:

a. In OPERATIONAL CONDITION 1, 2 or 3:
   1. With one SSW subsystem inoperable, restore the inoperable subsystem to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
   2. With both SSW subsystems inoperable, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN** within the following 24 hours.

b. In OPERATIONAL CONDITION 3 or 4 with the SSW subsystem, which is associated with an RHR loop required OPERABLE by Specification 3.4.9.1 or 3.4.9.2, inoperable, declare the associated RHR loop inoperable and take the ACTION required by Specification 3.4.9.1 or 3.4.9.2, as applicable.

c. In OPERATIONAL CONDITION 4 or 5 with the SSW subsystem, which is associated with an ECCS pump required OPERABLE by Specification 3.5.2, inoperable, declare the associated ECCS pump inoperable and take the ACTION required by Specification 3.5.2.

d. In OPERATIONAL CONDITION 5 with the SSW subsystem, which is associated with an RHR system required OPERABLE by Specification 3.9.11.1 or 3.9.11.2, inoperable, declare the associated RHR system inoperable and take the ACTION required by Specification 3.9.11.1 or 3.9.11.2, as applicable.

e. In all Operational Conditions, with the SSW subsystem, ~~with the SSW subsystem, which is associated with a diesel generator required OPERABLE by Specification 3.8.1.2, inoperable,~~ declare the associated diesel generator inoperable and take the ACTION required by Specification 3.8.1.2. The provisions of Specification 3.0.3 are not applicable.

---

* When handling irradiated fuel in the primary or secondary containment.

** Whenever both SSW subsystems are inoperable, if unable to attain COLD SHUTDOWN as required by this ACTION, maintain reactor coolant temperature as low as practical by use of alternate heat removal methods.

PLANT SYSTEMS

HIGH PRESSURE CORE SPRAY SERVICE WATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.1.2. The high pressure core spray (HPCS) service water system shall be OPERABLE with:

a. One OPERABLE HPCS service water pump, and

b. An OPERABLE flow path capable of taking suction from the associated SSW cooling tower basin and transferring the water through the HPCS service water system heat exchangers.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, 3, 4*, and 5*.

ACTION:

With the HPCS service water system inoperable, declare the HPCS system inoperable and take the ACTION required by Specification 3.5.1 or 3.5.2, as applicable.

SURVEILLANCE REQUIREMENTS

4.7.1.2 The HPCS service water system shall be demonstrated OPERABLE: a) at least once per 31 days by verifying that each valve, manual, power operated or automatic, servicing safety related equipment that is not locked, sealed or otherwise secured in position, is in its correct position.

b) at least once per 18 months during shutdown by verifying that each automatic valve servicing safety-related equipment actuates to its correct position on a service water actuation test signal.

* When the HPSCS system is required to be OPERABLE.