ATTACHMENT 3

PROPOSED TECHNICAL SPECIFICATIONS

Marked-Up Technical Specifications Pages,

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3/4 7-11
3/4 7-11a (new page)

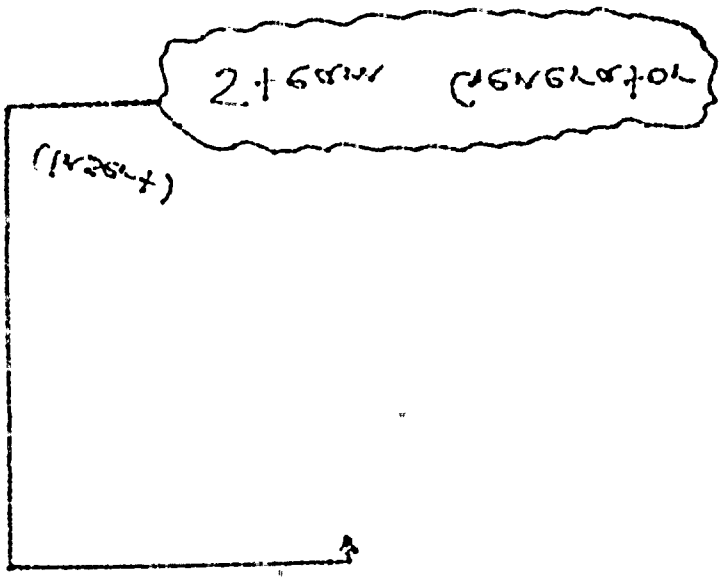
B 3/4 7-4
B 3/4 7-5

INDEX

LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

(Insert)

Steam Generator


2.4 GHz GENERATOR
(TRIGGER)

Steam Generator

PLANT SYSTEMS

STANDBY FEEDWATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.1.6 Two standby feedwater pumps shall be OPERABLE* and at least 60,000 gallons of water (available volume), shall be in the Demineralized Water Storage Tank**.

APPLICABILITY: MODES 1, 2 and 3

ACTION:

steam generator

a. With one standby feedwater pump inoperable, restore the inoperable pump(s) to available status within 30 days or submit a SPECIAL REPORT per 3.7.1.6d.

Insert (c) here

b. ~~With both standby feedwater pumps inoperable:~~

1. ~~Within 24 hours, notify the NRC and provide cause for inoperability and plans to restore pump(s) to OPERABLE status and,~~

2. ~~Submit a SPECIAL REPORT per 3.7.1.6d.~~

c. With less than 60,000 gallons of water in the Demineralized Water Storage Tank restore the available volume to at least 60,000 gallons within 24 hours or submit a SPECIAL REPORT per 3.7.1.6d.

d. If a SPECIAL REPORT is required per the above specifications submit a report describing the cause of the inoperability, action taken and a schedule for restoration within 30 days in accordance with 6.9.2.

SURVEILLANCE REQUIREMENTS

4.7.1.6.1 The Demineralized Water Storage tank water volume shall be determined to be within limits at least once per 24 hours.

4.7.1.6.2 At least monthly verify the standby steam generator feedwater pumps are OPERABLE by testing in recirculation on a STAGGERED TEST BASIS.

4.7.1.6.3 At least once per 18 months, verify operability of the respective standby steam generator feedwater pump by ~~powering from the non-safety grade diesel generators~~ starting each pump and providing feedwater to the steam generators.

*These pumps do not require plant safety related emergency power sources for operability and the flowpath is normally isolated.
**The Demineralized Water Storage Tank is non-safety grade.

INSERT (C)

b. With both standby steam generator feedwater pumps inoperable, restore at least one pump to OPERABLE status within 24 hours, or:

   1. Notify the NRC within the following 4 hours, and provide cause for the inoperability and plans to restore pump(s) to OPERABLE status and,

   2. Submit a SPECIAL REPORT per 3.7.1.6d.

SURVEILLANCE REQUIREMENTS (Continued)

4.7.1.6.4 The diesel engine for the diesel-driven standby steam generator feedwater pump shall be demonstrated OPERABLE:

a. At least once every 31 days, by testing with the associated standby steam generator feedwater pump in recirculation.

b. At least once per 18 months, by subjecting the diesel to an inspection in accordance with procedures prepared in conjunction with its manufacturer's recommendations for the class of service.

3/4.7.1.6 STANDBY Steam Generator FEEDWATER SYSTEM

The purpose of this specification and the supporting surveillance requirements is to assure operability of the non-safety grade Standby Steam Generator Feedwater System. The Standby Steam Generator Feedwater System consists of commercial grade components designed and constructed to industry and FPL standards of this class of equipment located in the outdoor plant environment typical of FPL facilities system wide. The system is expected to perform with high reliability, i.e., comparable to that typically achieved with this class of equipment. FPL intends to maintain the system in good operating condition with regard to appearance, structures, supports, component maintenance, calibrations, etc.

The function of the Standby Steam Generator Feedwater System for OPERABILITY determinations is that it can be used as a backup to the Auxiliary Feedwater (AFW) System in the event the AFW System does not function properly. The system would be manually started, aligned and controlled by the operator when needed. ~~In the event of a loss of offsite power the pumps can be powered via the non-safety grade diesel generators connected to the non-safety related 4160 volt bus.~~

Insert A Here

A supply of 60,000 gallons from the Demineralized Water Storage Tank for the Standby Steam Generator Feedwater Pumps is sufficient water to remove decay heat from the reactor for six (6) hours for a single unit or two (2) hours for two units. This was the basis used for requiring 60,000 gallons of water in the non-safety grade Demineralized Water Storage Tank and is judged to provide sufficient time for restoring the AFW System or establishing make-up to the Demineralized Water Storage Tank.

The ~~motor driven~~ Standby Steam Generator Feedwater Pumps are not designed to NRC requirements applicable to Auxiliary Feedwater Systems and are not required to satisfy design basis events requirements. These pumps may be out of service for up to 24 hours before initiating formal notification because of the extremely low probability of a demand for their operation.

The guidelines for NRC notification in case of both pumps being out of service for longer than 24 hours are provided in applicable plant procedures, as a voluntary 4-hour notification.

Adequate demineralized water for the Standby Steam Generator Feedwater system will be verified once per 24 hours. The Demineralized Water Storage Tank provides a source of ~~water to several systems~~ and therefore, requires daily verification.

The Standby Steam Generator Feedwater Pumps will be verified OPERABLE monthly on a STAGGERED TEST BASIS by starting and operating them in the recirculation mode. ~~typically from their normal power supply.~~ Also, during each unit's refueling outage, ~~the respective standby feedwater pump will be powered from the unit's C bus utilizing Units 1 and 2 non-safety grade diesel generators and flow~~

each Standby Steam Generator Feedwater Pump will be started and aligned to provide flow

L-93-200
Attachment 3

INSERT (A)

The A pump is electric-driven and is powered from the non-safety related C bus. In the event of a coincident loss of offsite power, the B pump is diesel driven and can be started and operated independent of the availability of on-site or offsite power.

STANDBY Steam Generator FEEDWATER SYSTEM (Continued)

~~tested~~ to the nuclear unit's steam generators. ~~Prior to this test, the refueling unit's C bus will be de-energized and the necessary loads will be transferred to the other unit's C bus.~~

This surveillance regimen will thus demonstrate operability of the entire flow path and the pump drivers ~~backup non-safety grade power supply and pump associated with a unit~~ at least once each refueling outage. The pump~~, motor driver,~~ and pump drivers ~~normal power supply availability~~ would typically be demonstrated by operation of the pumps in the recirculation mode monthly on a staggered test basis. (INSERT)

(INSERT B HERE)

3/4.7.2 COMPONENT COOLING WATER SYSTEM

The OPERABILITY of the Component Cooling Water System ensures that sufficient cooling capacity is available for continued operation of safety-related equipment during normal and accident conditions. The redundant cooling capacity of this system, assuming a single active failure, is consistent with the assumptions used in the safety analyses. One pump and two heat exchangers provide the heat removal capability for accidents that have been analyzed.

3/4.7.3 INTAKE COOLING WATER SYSTEM

The OPERABILITY of the Intake Cooling Water System ensures that sufficient cooling capacity is available for continued operation of safety-related equipment during normal and accident conditions. The design and operation of this system, assuming a single active failure, ensures cooling capacity consistent with the assumptions used in the safety analyses.

3/4.7.4 ULTIMATE HEAT SINK

The limitations on the ultimate heat sink temperature ensure that sufficient cooling capacity is available either: (1) to provide normal cooldown of the facility or (2) to mitigate the effects of accident conditions within acceptable limits.

Steam Generator
Main Pump Drives
Insert
Insert (B) here
Pump Drives
Page

L-93-200
Attachment 3

INSERT (B)

The diesel engine driver for the B Standby Steam Generator Feedwater Pump will be verified operable once every 31 days on a staggered test basis performed on the B Standby Steam Generator Feedwater Pump. In addition, an inspection will be performed on the diesel at least once every 18 months in accordance with procedures prepared in conjunction with its manufacture's recommendations for the diesel's class of service. This inspection will ensure that the diesel driver is maintained in good operating condition consistent with FPL's overall objectives for system reliability.