Exhibit B

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

License Amendment Request dated January 21, 1992

MARKED UP TECHNICAL SPECIFICATION PAGES

Exhibit B consists of marked up pages for the Prairie Island Nuclear Generating Plant Technical Specifications with the proposed changes incorporated as listed below:

Page

TS.4.5-2 TS.4.5-3 TS.4.8-1 B.4.2-1 B.4.8-1

3. Containment Fan Coolers

Each fan cooler unit shall be tested during each reactor refueling shutdown to verify proper operation of all essential features including low motor speed, cooling water valves, and normal ventilation system dampers. Individual unit performance will be monitored by observing the terminal temperatures of the fan coil unit and by verifying a cooling water flow rate of greater than or equal to 900 gpm to each fan coil unit.

4. Component Cooling Water System

- a. System tests shall be performed during each reactor refueling shutdown. Operation of the system will be initiated by tripping the actuation instrumentation.
- b. The test will be considered satisfactory if control board indication and visual observations indicate that all components have operated satisfactorily.

5. Cooling Water System

- a. System tests shall be performed at each refueling shutdown. Tests shall consist of an automatic start of each diesel engine and automatic operation of valves required to mitigate accidents including those valves that isolate non-essential equipment from the system. Operation of the system will be initiated by a simulated accident signal to the actuation instrumentation. The tests will be considered satisfactory if control board indication and visual observations indicate that all components have ope ited satisfactorily and if cooling water flow paths required for accident mitigation have been established.
- b. At least once each 18 months, subject each diesel engine to a thorough inspection in accordance with procedures prepared in conjunction with the manufacturer's recommendations for this class of standby service.

B. Component Tests

- 1. Pumps
 - a. The safety injection pumps, residual heat removal pumps and containment spray pumps shall be started and operated at intervals of one monthtested pursuant to Specification 4.2. Acceptable levels of performance shall be that the pumps start and reach their required developed head on minimum recirculation flow and the control board indications and visual observations indicate that the pumps are operating properly for at least 15 minutes.
 - b. A test consisting of a manually-initiated start of each diesel engine, and assumption of load within one minute, shall be conducted monthly.

2. Containment Fan Motors

The Containment Fan Coil Units shall be run on low motor speed for at least 15 minutes at intervals of one month. Motor current shall be measured and compared to the nominal current expected for the test conditions.

- 3. Valves
 - a. The refueling water storage tank outlet valves shall be tested in accordance with Section 4.2.
 - b. The accumulator check valves will be checked for OPERABILITY during each refueling shutdown.
 - c. The boric acid tank values to the Safety Injection System shall be tested at intervals of one monthin accordance with Section 4.2.
 - d. The spray chemical additive tank valves shall be eyeled by operator action at intervals of one monthtested in accordance with Section 4.2.
 - e. Actuation circuits for Cooling Water System valves that isolate non-essential equipment from the system shall be tested monthlyin accordance with Section 4.2.
 - f. All motor-operated valves in the SIS, RHR, Containment Spray, Cooling Water, and Component Cooling Water System that are designed for operation during the safety injection or recirculation phase of emergency core cooling, shall be tested for OPERABILITY at each refueling shutdown.
 - g. The correct position of the throttle valves below shall be verified as follows:
 - Within 4 hours following completion of each valve stroking operation.
 - Within 4 hours following maintenance on the valve when the Safety Injection System is required to be OPERABLE, and
 - Periodically at least once per 18 months to the extent not verified in accordance with 1 and 2 above within this time period.

<u>Unit 1 Valves</u>	Unit 2 Valve
SI-15-6	251-15-6
SI-15-7	2SI-15-7
SI-15-8	251-15-8
SI-15-9	251-15-9

4.5.B

TS.4.8-1

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4.8 STEAM AND POWER CONVERSION SYSTEMS

Applicability

Applies to periodic testing requirements of the Auxiliary Feedwater, Steam Generator Power Operated Relief Valves, and Steam Exclusion Systems.

Objective

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To verify the OPERABILITY of the steam and power conversion systems required for emergency shutdown cooling of the plant.

Specification

- A. Auxiliary Feedwater System
 - Each motor-driven auxiliary feedwater pump shall be started at intervals of one month and full flow to the steam generators shall be demonstrated once every refueling shutdown.
 - The steam turbine-driven auxiliary feedwater pump shall be started at intervals of one month* and full flow into the steam generators shall be demonstrated once each yearsvery refueling shutdown when steam from the steam generators is available.
 - The auxiliary feedwater pumps discharge values shall be tested by operator action at intervals of one monthin accordance with Section 4.2.
 - Motor-operated valves required to function during accident conditions shall be tested at intervals of one monthin accordance with Section 6.2.
 - These tests shall be considered satisfactory if control board indication and subsequent visual observation of the equipment demonstrate that all components have operated properly.
 - 6. During POWER OPERATION, for the manual valves outside containment, that could reduce auxiliary feedwater flow, if improperly positioned, to less than assumed in the accident analysis, monthly inspections are required to verify the valves are locked in the proper position required for emergency use.
 - 7. After each COLD SHUTDOWN and prior to exceeding 10% power, a test is required to verify the normal flow path from the primary auxiliary feedwater source to the steam generators. This test may consist of maintaining steam generator level during startup with the auxiliary feed pumps.
 - 8. At least once every 18 months during shutdown verify that each pump starts as designed automatically and each automatic valve in the flow path actuates to its correct position upon receipt of each auxiliary feedwater actuation test signal.

*If the test comes due during a reactor shutdown the test shall be performed within 24 hours of entering POWER OPERATION.

B.4.2-1

4.2 INSERVICE INSPECTION AND TESTING OF PUMPS AND VALVES REQUIREMENTS

Bases

The inservice inspection program for the Prairie Island plant conforms to the requirements of 10 CFR 50, Section 50.55a(g). Where practical the inspection of ASME Code Class 1, Class 2, and Class 3 components is performed in accordance with Section XI of the ASME Code. A program of inservice testing of ASME Code Class pumps and valves is also in effect in and is contained in the current Prairie Island ASME Section XI Inservice Testing Program. If a code required inspection is impractical for the Prairie Island facility, a request for a deviation from that requirement is submitted to the Commission in accordance with 10 CFR 50, Section 50.55a(g)(6)(1).

Deviations which are needed from the procedures prescribed in Section XI of the ASME Code and applicable Addenda will be reported to the Commission prior to the beginning of each 10 year inspection period if they are known to be required at that time. Deviations which are identified during the course of inspection will be reported quarterly throughout the inspection period.

4.8 STEAM AND POWER CONVERSION SYSTEMS

Bases

Monthly testing of the auxiliary feedwater pumps, monthly valve inspections in accordance with Section 4.2, and startup flow verification provide assurance that the Auxiliary Feedwater System will meet emergency demand requirements. The full flow test is done once a cycle associated with the refueling shutdown to minimize the thermal shock to the auxiliary feedwater piping. The discharge valves of the pumps are normally open, as are the suction valves from the condensate storage tanks. Proper opening of the steam admission valve on each turbine-driven pump will be demonstrated each time a turbine-driven pump is tested. Ventilation system isolation dampers required to function for the postulated inpture of a high energy line will also be tested.

At 18-month intervals, pump starting and valve positioning is verified using test signals to simulate each of the automatic actuation parameters.

Reference

USAk, Sections 11.9, 14, and Appendix I.

Exhibit C

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

License Amendment Request dated January 21, 1992

REVISED TECHNICAL SPECIFICATION PAGES

Exhibit C consists of revised pages for the Prairie Island Nuclear Generating Plant Technical Specifications with the proposed changes incorporated as listed below:

Page

3 Containment Fan Coolers

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Each fan cooler unit shall be tested during each reactor refueling shutdown to verify proper operation of all essential features including low motor speed, cooling water valves, and normal ventilation system dampers. Individual unit performance will be monitored by observing the terminal temperatures of the fan coil unit and by verifying a cooling water flow rate of greater than or equal to 900 gpm to each fan coil unit.

4. Component Cooling Water System

- a. System tests shall be performed during each reactor refueling shutdown. Operation of the system will be initiated by tripping the actuation instrumentation.
- b. The test will be considered satisfactory if control board indication and visual observations indicate that all components have operated satisfactorily.

5. Cooling Water System

- a. System tests shall be performed at each refueling shutdown. Tests shall consist of an automatic start of each diesel engine and automatic operation of valves required to mitigate accidents including those valves that isolate non-essential equipment from the system. Operation of the system will be initiated by a simulated accident signal to the actuation instrumentation. The tests will be considered satisfactory if control board indication and visual observations indicate that all components have operated satisfactorily and if cooling water flow paths required for accident mitigation have been established.
- b. At least once each 18 months, subject each diesel engine to a thorough inspection in accordance with procedures prepared in conjunction with the manufacturer's recommendations for this class of standby service.

B. Component Tests

- 1. Pumps
 - a. The safety injection pumps, residual heat removal pumps and containment spray pumps shall be tested pursuant to Specification 4.2. Acceptable levels of performance shall be that the pumps start and reach their required developed head on minimum recirculation "Low and the control board indications and visual observations indicate that the pumps are operating properly for at least 15 minutes.
 - b. A test consisting of a manually-initiated start of each diesel engine, and assumption of load within one minute, shall be conducted monthly.

2. Containment Fan Motors

The Containment Fan Coil Units shall be run on low motor speed for at least 15 minutes at intervals of one month. Motor current shall be measured and compared to the nominal current expected for the test conditions.

- 3. Valves
 - a. The refueling water storage tank outlet valves shall be tested in accordance with Section 4.2.
 - b. The accumulator check valves will be checked for OPERABILITY during each refueling shutdown.
 - c. The boric acid tank vrives to the Safety Injection System shall be tested in accordance with Section 4.2.
 - d. The spray chemical additive tank valves shall be tested in accordance with Section 4.2.
 - e. Actuation circuits for Cooling Water System valves that isolate non-essential equipment from the system shall be cested in accordance with Section 4.2.
 - f. All motor-operated valves in the SIS, RHR, Containment Spray, Cooling Water, and Component Cooling Water System that are designed for operation during the safery injection or recirculation phase of emergency core cooling, shall be tested for OPERABILITY at each refueling shutdown.
 - g. The correct position of the throutle valves below shall be verified as follows:
 - Within 4 hours following completion of each valve stroking operation.
 - 2. Within 4 hours following maintenance on the valve when the Safety Injection System is required to be OPERABLE, and
 - Period.cally at least once per 18 months to the extent not verified in accordance with 1 and 2 above within this time period.

Unit 1 Valves	Unit 2 Valves
SI-15-6	2SI-15-6
SI-15-7	2SI-15-7
SI-15-8	251-15-8
SI-15-9	251-15-9

4.5.B

4.8 STEAM AND POWER CONVERSION SYSTEMS

Applicability

Applies to periodic testing requirements of the Auxiliary Feedwater, Steam Generator Power Operated Relief Valves, and Steam Exclusion Systems,

Objective

To verify the OPERABILITY of the steam and power conversion systems required for emergency shutdown cooling of the plant.

Specification

- A. Auxiliary Feedwater System
 - Each motor-driven auxiliary feedwater pump shall be started at intervals of one month and full flow to the steam generators shall be demonstrated once every refueling shutdown.
 - The steam turbine-driven auxiliary feedwater pump shall be started at intervals of one month* and full flow to the steam generators shall be demonstrated once every refueling shutdown.
 - 3. The auxiliary feedwater pumps discharge valves shall be tested by operator action in accordance with Section 4.2.
 - 4. Motor-operated valves required to function during accident conditions shall be tested in accordance with Section 4.2.
 - These tests shall be considered satisfactory if control board indication and subsequent visual observation of the equipment demonstrate that all components have operated properly.
 - 6. During POWER OPERATION, for the manual valves outside containment, that could reduce auxiliary feedwater flow, if improperly positioned, to less than assumed in the accident analysis, monthly inspections are required to verify the valves are locked in the proper position required for emergency use.
 - 7. After each COLD SHUTDOWN and prior to exceeding 10% power, a test is required to verify the normal flow path from the rimary auxiliary feedwater to the steam generators. This lest may consist of maintaining and renerator level during startup with the auxiliary feed pumps.
 - 8. At least once every 18 months during shutdown verify that each pump starts as designed automatically and each automatic valve in the flow path actuates to its correct position upon receipt of each auxiliary feedwater actuation test signal.

*If the test comes due during a reactor shutdown the test shall be performed within 24 hours of entering POWER OPERATION.

B.4.2-1

4.2 INSERVICE INSPECTION AND TESTING OF PUMPS AND VALVES REQUIREMENTS

Bases

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4.8 SI IM AND POWER CONVERSION SYSTEMS

Baser

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At 18-month intervals, pump starting and valve positioning is verified using test signals to simulate each of the automatic actuation parameters.

Reference

USAR, Sections 11.9, 14, and Appendix I.