

Exhibit B

Prairie Island Nuclear Generating Plant

License Amendment Request Dated October 3, 1994

Proposed Changes Marked-up on
Existing Technical Specification Pages

Exhibit B consists of existing Technical Specifications pages with the proposed changes highlighted on those pages; the backgrounded text represents the proposed additions and the lined-out text represents the proposed deletions. The existing pages affected by this License Amendment Request are listed below:

Pages

TS.4.6-1

TS.4.6-2

4.6 PERIODIC TESTING OF EMERGENCY POWER SYSTEM

Applicability

Applies to periodic testing and surveillance requirements of the emergency power system.

Objective

To verify that the emergency power sources and equipment are OPERABLE.

Specification

The following tests and surveillance shall be performed:

A. Diesel Generators

1. At least once each month, for each diesel generator:
 - a. Verify the fuel level in the day tank.
 - b. Verify the fuel level in the fuel storage tank.
 - c. Verify that a sample of diesel fuel from the fuel storage tank is within the acceptable limits specified in Table 1 of ASTM D975-77 when checked for viscosity, water, and sediment.
 - d. Verify the fuel transfer pump can be started and transfers fuel from the storage system to the day tank.
 - e. Verify the diesel generator can start and gradually accelerate ~~to synchronous speed~~. Verify the ~~with-generator~~ voltage and frequency can be adjusted to ~~at~~ 4160 ± 420 volts and 60 ± 1.2 Hz. Subsequently, manually synchronize the generator, gradually load to ~~at least~~ 1650 kW (Unit 2: 5100 kW to 5300 KW), and operate for at least 60 minutes. This test should be conducted in ~~consideration of accordance with the~~ manufacturer's recommendations regarding engine prelube, warm-up, loading and shutdown procedures where possible.

4.6.A.2. At least once each 6 months, for each diesel generator:

- a. Verify the diesel generator starts and ~~achieves~~ ~~accelerates to at least synchronous speed in less than or equal to 10 seconds.~~
- b. ~~Verify the generator voltage and frequency to be of 4160 \pm 420 volts and 60 \pm 1.2 Hz within 10 seconds after the start signal.~~
- be. Manually synchronize the generator, load to at least 1650 kW (Unit 2: 5100 kW to 5300 kW) in less than or equal to 60 seconds and operate for at least one hour.
- cd. This test should be conducted ~~from standby conditions in consideration of accordance with the manufacturer's recommendations regarding engine prelube and shutdown procedures where possible.~~

3. At least once each 18 months:

- a. Subject each diesel generator to a thorough inspection in accordance with procedures prepared in ~~consideration of conjunction with the manufacturer's recommendations for this class of standby service.~~
- b. For each unit, simulate a loss of offsite power in conjunction with a safety injection signal, and:
 1. Verify de-energization of the emergency buses and load shedding from the emergency buses.
 2. Verify the diesels start on the auto-start signal and energize the emergency buses in one minute. This test should be conducted in ~~consideration of accordance with the manufacturer's recommendations regarding engine prelube and shutdown procedures where possible.~~
 3. ~~Verify that the auto-connected loads do not exceed 3000 kw. (Unit 2: 5100 kw).~~
 4. ~~Verify that the diesel generator system trips, except those for engine overspeed, ground fault, and generator differential current (Unit 2: except those for engine overspeed and generator differential current), are automatically bypassed.~~
3. During this test, operation of the emergency lighting system shall be ascertained.
- c. For each diesel generator ~~unit~~, demonstrate full-load carrying capability for an interval of not less than 24 hours, of which at least 2 hours are at an indicated ~~a~~-load equal to 105-103 to 110 percent of the continuous rating of the emergency diesel generator, and ~~22~~the remainder of the 24 hours are at an indicated ~~a~~-load of greater than or equal to 92 ~~90 to 100~~ percent of its continuous rating. Verify the generator voltage and frequency to be 4160 \pm 420 volts and 60 \pm 1.2 Hz. Momentary transients outside the load ranges do not invalidate this test.

- d. Verify the capability of each generator to reject a load of at least 650 kW (Unit 2: 860 kW) without tripping.
- ~~e. During this test, operation of the emergency lighting system shall be ascertained.~~
- e. For each unit, simulate a safety injection signal and verify that the diesel generator system trips, except those for engine overspeed, ground fault, and generator differential current (Unit 2: except those for engine overspeed and generator differential current), are automatically bypassed.

Exhibit C

Prairie Island Nuclear Generating Plant

License Amendment Request Dated October 3, 1994

Revised Technical Specifications Pages

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

Pages

TS.4.6-1

TS.4.6-2

4.6 PERIODIC TESTING OF EMERGENCY POWER SYSTEM

Applicability

Applies to periodic testing and surveillance requirements of the emergency power system.

Objective

To verify that the emergency power sources and equipment are OPERABLE.

Specification

The following tests and surveillance shall be performed:

A. Diesel Generators

1. At least once each month, for each diesel generator:
 - a. Verify the fuel level in the day tank.
 - b. Verify the fuel level in the fuel storage tank.
 - c. Verify that a sample of diesel fuel from the fuel storage tank is within the acceptable limits specified in Table 1 of ASTM D975-77 when checked for viscosity, water, and sediment.
 - d. Verify the fuel transfer pump can be started and transfers fuel from the storage system to the day tank.
 - e. Verify the diesel generator can start and gradually accelerate. Verify the generator voltage and frequency can be adjusted to 4160 ± 420 volts and 60 ± 1.2 Hz. Subsequently, manually synchronize the generator, gradually load to at least 1650 kW (Unit 2: 5100 kW to 5300 KW), and operate for at least 60 minutes. This test should be conducted in consideration of the manufacturer's recommendations regarding engine prelude, warm-up, loading and shutdown procedures where possible.

4.6.A.2. At least once each 6 months, for each diesel generator:

- a. Verify the diesel generator starts and achieves generator voltage and frequency of 4160 ± 420 volts and 60 ± 1.2 Hz within 10 seconds after the start signal.
- b. Manually synchronize the generator, load to at least 1650 kW (Unit 2: 5100 kW to 5300 kW) in less than or equal to 60 seconds and operate for at least one hour.
- c. This test should be conducted from standby conditions in consideration of the manufacturer's recommendations regarding engine prelube and shutdown procedures where possible.

3. At least once each 18 months:

- a. Subject each diesel generator to a thorough inspection in accordance with procedures prepared in consideration of the manufacturer's recommendations for this class of standby service.
- b. For each unit, simulate a loss of offsite power in conjunction with a safety injection signal, and:
 1. Verify de-energization of the emergency buses and load shedding from the emergency buses.
 2. Verify the diesels start on the auto-start signal and energize the emergency buses in one minute. This test should be conducted in consideration of the manufacturer's recommendations regarding engine prelube and shutdown procedures where possible.
 3. During this test, operation of the emergency lighting system shall be ascertained.
- c. For each diesel generator, demonstrate full-load carrying capability for an interval of not less than 24 hours, of which at least 2 hours are at an indicated load equal to 103 to 110 percent of the continuous rating of the emergency diesel generator, and the remainder of the 24 hours are at an indicated load of greater than or equal to 92 percent of its continuous rating. Verify the generator voltage and frequency to be 4160 ± 420 volts and 60 ± 1.2 Hz. Momentary transients outside the load ranges do not invalidate this test.
- d. Verify the capability of each generator to reject a load of at least 650 kW (Unit 2: 860 kW) without tripping.
- e. For each unit, simulate a safety injection signal and verify that the diesel generator system trips, except those for engine overspeed, ground fault, and generator differential current (Unit 2: except those for engine overspeed and generator differential current), are automatically bypassed.