

ENCLOSURE 5  
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
NRC DOCKET NO. 50-261/LICENSE NO. DPR-23  
REQUEST FOR LICENSE AMENDMENT

TECHNICAL SPECIFICATION PAGES

9308100217 930805  
PDR ADOCK 05000261  
P PDR



#### 4.6 EMERGENCY POWER SYSTEM PERIODIC TESTS

##### Applicability

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

##### Objective

To verify that the emergency power system will respond promptly and properly when required.

##### Specification

The following tests and surveillance shall be performed as stated:

##### 4.6.1 Diesel Generators

###### *INSERT A*

4.6.1.1 Manually-initiated start of the diesel generator, followed by manual synchronization with other power sources and assumption of load by the diesel generator up to the nameplate rating. This test will be conducted monthly on each diesel generator. Normal plant operation will not be affected.

4.6.1.2 Automatic start of each diesel generator, load shedding and restoration to operation of particular vital equipment, initiated by a simulated loss of all normal A-C station service power supplies together with a simulated safety injection signal. This test will be conducted at each refueling interval, to assure that the diesel generator will start and assume required load within 50 seconds after the initial starting signal. During this test, the diesel protective

*INSERT A:*

- 4.6.1.1 On a monthly basis, each diesel generator shall be tested by manually-initiated start, followed by manual synchronization with other power sources, and verification that each diesel generator is loaded and operates for  $\geq 60$  minutes at a load  $\geq 2350$  kW and  $\leq 2500$  kW.

bypasses listed in Specification 3.7.1.d shall be demonstrated to be operable by simulating a trip signal to each of the trip devices that is bypassed and observing that the diesel does not trip.

- 4.6.1.3 Each diesel generator shall be inspected at each refueling.

*INSERT B*

- 4.6.1.4 Diesel generator electric loads shall not be increased beyond the long term rating of 2500 kW.

4.6.2 Diesel Fuel Tanks

A minimum fuel oil inventory sufficient to ensure 19,000 gallons available to the diesel generators shall be maintained at all times in the Unit 2 diesel generator fuel oil storage tank and an additional 15,000 gallons available to the diesel generators shall be maintained at all times in either the Unit 1 I-C turbine fuel oil storage tanks or a combination of the Unit 1 I-C turbine fuel oil storage tanks and the Unit 2 diesel generator fuel oil storage tank.

4.6.3 Station Batteries

- 4.6.3.1 The voltage and temperature of a pilot cell in each battery shall be measured and recorded daily, 5 days/week.
- 4.6.3.2 The specific gravity and voltage to the nearest 0.01 volt, the temperature reading of every fifth cell, the height of electrolyte and the amount of water added to each cell shall be measured and recorded monthly.
- 4.6.3.3 Each battery shall be subjected to an equalizing charge annually. The requirements in 4.6.3.2 above shall be performed after each equalizing charge.

*INSERT B:*

4.6.1.4 The following diesel generator load limits shall be observed:

- a. The continuous load rating for the diesel generator is 2500 kW. Continuous operation above this limit shall not be permitted, except as defined within Technical Specification 4.6.1.4.b.
- b. The short-term, overload rating of the diesel generator is 2750 kW. Operation at this load shall not exceed 2 hours in any 24 hour period. Operation above the short-term, overload rating shall not be permitted.

4.6.3.4

At each time data is recorded, new data shall be compared with old to detect signs of abuse or deterioration.

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NOTE:  
REPAGINATION  
¶ 4.6.3.4 has  
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to page 4.6-2

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- 4.6.1.2 Automatic start of each diesel generator, load shedding and restoration to operation of particular vital equipment, initiated by a simulated loss of all normal A-C station service power supplies together with a simulated safety injection signal. This test will be conducted at each refueling interval, to assure that the diesel generator will start and assume required load within 50 seconds after the initial starting signal. During this test, the diesel protective bypasses listed in Specification 3.7.1.d shall be demonstrated to be operable by simulating a trip signal to each of the trip devices that is bypassed and observing that the diesel does not trip.
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