

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

b. At least once per 92 days by verifying that a sample of diesel fuel from each of the three fuel oil storage tanks, obtained in accordance with ASTM D4057, is within the acceptable limits specified in Table 1 of ASTM D975 when checked for viscosity, water and sediment.

c. At least once per 18 months during shutdown by:

1. Deleted

2. Verifying that the automatic time delay sequencer is OPERABLE with the following settings:

<u>Sequence Step</u>	<u>Time After Closing of Diesel Generator Output Breaker (Seconds)</u>	
	<u>Minimum</u>	<u>Maximum</u>
1 (T ₁)	1.5	2.2
2 (T ₂)	T ₁ + 5.5	8.4
3 (T ₃)	T ₂ + 5.5	14.6
4 (T ₄)	T ₃ + 5.5	20.8

3. Verifying the generator capability to reject a load of ≥ 250 kw and maintain voltage at 4160 ± 500 volts and frequency at 60 ± 3 Hz.

4. Verifying the generator capability to reject a load of 1300 Kw without exceeding the overspeed trip setpoint.

5. Simulating a loss of offsite power in conjunction with a safety injection actuation signal, and:

a) Verifying deenergization of the emergency busses and load shedding from the emergency busses,

b) Verifying the diesel starts from standby conditions on the autostart signal, energizes the emergency busses with permanently connected loads, energizes the auto-connected emergency loads through the load sequencer and operates for ≥ 5 minutes while its generator is loaded with the emergency loads.