

ELECTRICAL POWER SYSTEMS

SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.1.2 As a minimum, the following electrical power sources shall be OPERABLE:

- a. One circuit between the offsite transmission network and the onsite Class 1E distribution system, and
- b. One diesel generator with:
 1. Day fuel tank containing a minimum volume of 400 gallons of fuel,
 2. A fuel storage system containing a minimum volume of 20,300 gallons of fuel, and
 3. A fuel transfer pump, and
- c. One battery/charger combination supplying D.C. control power to the 230 kv switchyard breakers.

APPLICABILITY: MODES 5 and 6.

ACTION:

With less than the above minimum required A.C. electrical power sources OPERABLE, suspend all operations involving CORE ALTERATIONS or positive reactivity changes until the minimum required A.C. electrical power sources are restored to OPERABLE status.

SURVEILLANCE REQUIREMENTS

4.8.1.2.1 At least one circuit between the offsite transmission network and the onsite Class 1E distribution system shall be:

- a. Determined OPERABLE at least once per 7 days by verifying correct breaker alignments and indicated power availability.
- b. Demonstrated OPERABLE at least once per 18 months during shutdown by transferring unit power supply from the normal circuit to the alternate circuit.
- c. Demonstrated OPERABLE by determining that at least one battery supplying D.C. control power to the 230 kv switchyard breakers is OPERABLE;

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SURVEILLANCE REQUIREMENTS (Continued)

2. Verifying the generator capability to reject a load of ≥ 515 kw without tripping.
- *3. Simulating a loss of offsite power in conjunction with Reactor Building high pressure and Reactor Building high-high pressure tests signals, and;
 - a) Verifying de-energization of the emergency buses and load shedding from the emergency busses,
 - b) Verifying that the 4160 v. emergency bus tie breakers open,
 - c) Verifying the diesel starts from ambient condition on the auto-start 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.
4. Verifying the diesel generator operates for at least 60 minutes while loaded to greater than or equal to 3100 kw but less than 3250 kw,
5. Verifying that the auto-connected loads to each diesel generator for the worst case diesel generator operating condition do not exceed 3100 kw, and
6. Verifying that the automatic load sequence timers are OPERABLE with each load sequence time interval within $\pm 10\%$.

* This test shall be performed in MODE 3.