

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS

4.8.1.1.1 Each of the above required independent circuits 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, and
- b. Demonstrated OPERABLE at least once per 18 months during shutdown by transferring, manually and automatically, unit power supply from the normal circuit to the alternate circuit.

4.8.1.1.2 Each diesel generator shall be demonstrated OPERABLE:

- a. In accordance with the frequency specified in Table 4.8.1.1.2-1 on a STAGGERED TEST BASIS by:
 - 1. Verifying the fuel level in the day fuel tanks.
 - 2. Verifying the fuel level in the plant fuel storage tank.
 - 3. Verifying the fuel transfer pump can be started and transfers fuel from the storage system to the day tank.
 - 4. Verifying the diesel starts from ambient condition and accelerates to synchronous speed in ≤ 12 seconds, is loaded ≥ 2764 kw for diesel generator 2A, ≥ 2360 kw for diesel generator 1B, and ≥ 2742 kw for diesel generator 2C in ≤ 5 minutes, and operators for ≥ 60 minutes thereafter.
 - 5. Verifying the diesel generator is aligned to provide standby power to the associated emergency busses.
 - 6. Verifying the pressure in both diesel air start receivers to be ≥ 225 psig.
- b. At least once per 92 days by verifying that a sample of diesel fuel from the fuel storage tank, obtained in accordance with ASTM-D270-65, is within the acceptable limits specified in Table 1 of ASTM D975-74 when checked for viscosity, water, and sediment.