

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- (Add new insert for newie, →
- b. At least once per 31 days and after each operation of the diesel where the period of operation was greater than or equal to 1 hour by checking for and removing accumulated water from the day fuel tanks.
 - c. At least once per 92 days by removing accumulated water the fuel storage tanks.
 - d. At least once per 92 days and from new fuel oil prior to addition to the storage tanks, by obtaining a sample obtained in accordance with ASTM-D270-1975, and by verifying that the sample meets the following minimum requirements and is tested within the specified time limits:
 1. As soon as sample is taken or from new fuel prior to addition to the storage tank, as applicable, verify in accordance with the tests specified in ASTM-D975-77 that the sample has:
 - a) A water and sediment content of less than or equal to 0.05 volume percent.
 - b) A kinematic viscosity @ 40°C of greater than or equal to 1.9 centistokes, but less than or equal to 4.1 centistokes.
 - c) A specific gravity as specified by the manufacturer @ 60/60°F of greater than or equal to 0.8299 but less than or equal to 0.8762 or an API gravity @ 60°F of greater than or equal to 30 degrees.
 2. Within 1 week after obtaining the sample, ~~verify an impurity level of less than 2 mg of insolubles per 100 ml when tested in accordance with ASTM-D2274-70.~~
 2. Within 2 weeks after obtaining the sample, verify that the other properties specified in Table 1 of ASTM-D975-77 and Regulatory Guide 1.137, Position 2.a, are met when tested in accordance with ASTM-D975-77.
 - f. At least once per 18 months, during shutdown, by:
 1. Subjecting the diesel to an inspection in accordance with procedures prepared in conjunction with its manufacturer's recommendations for this class of standby service.
 2. Verifying the diesel generator capability to reject a load of greater than or equal to 1377 kW for DG-1, greater than or equal to 1377 kW for DG-2, and greater than or equal to 2380 kW for DG-3 while maintaining engine speed \leq 75% of the difference between nominal speed and the overspeed trip set-point or 15% above nominal, whichever is less.
 3. Verifying the diesel generator capability to reject a load of 4400 kW for DG-1 and DG-2 and 2600 kW for DG-3 without tripping. The generator voltage shall not exceed 4784 volts during and following the load rejection.

INSERT

- e. At least once every 31 days, by obtaining a sample of fuel oil from the discharge line of the storage tank transfer pumps in accordance with ASTM D2276-78, and verifying that total particulate contamination is less than 10 mg/liter when checked in accordance with ASTM D2276-78, Method A.

