

6. Three batteries plus three chargers and the D.C. distribution systems operable.
  7. No more than one 120 volt A.C. Instrument Bus on the backup power supply.
- B. The requirements of 3.7.A may be modified to allow any one of the following power supplies to be inoperable at any one time.
1. One diesel or any diesel fuel oil system or a diesel and its associated fuel oil system may be inoperable for up to 72 hours provided the 138 KV and the 13.8 KV sources of offsite power are available, and the engineered safety features associated with the remaining diesel generator buses are operable. If the inoperable diesel generator became inoperable due to any cause other than preplanned maintenance or testing, then within 24 hours, either:
    - a. Determine by evaluation, that the remaining operable diesel generators are not inoperable due to common-cause failure.

OR

    - b. Verify by testing, that the remaining diesel generators are operable.
  2. The 138 KV or the 13.8 KV sources of power may be inoperable for 48 hours provided the three diesel generators are operable. This operation may be extended beyond 48 hours provided the failure is reported to the NRC within the 48 hour period with an outline of the plans for restoration of offsite power and NRC approval is granted.

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3. If the 138 KV power source is lost and the 13.8KV power source is being used to feed Buses 5 and 6, in addition to satisfying the requirements of specification 3.7.B.2 above, the 6.9 KV bus tie breaker control switches 1-5, 2-5, 3-6, and 4-6 in the CCR shall be placed in the "pull-out" position to prevent an automatic transfer of the 6.9 KV buses 1, 2, 3 and 4.
4. One battery may be inoperable for 2 hours\* provided the other batteries and the three battery chargers remain operable with one battery charger carrying the D.C. load of the failed battery supply system.

\* On a one-time (per battery) only basis for station batteries 31 & 32, the batteries may be inoperable for up to 10 days each, as necessary, to allow on-line replacement of the batteries. The time period during which this allowance may be exercised will end on May 31, 2002. The following additional requirement shall also be met to invoke this extended one-time allowed outage time: No risk significant planned maintenance or testing activities, which may impact AC or DC normal or emergency electrical distribution sources or ESF systems, shall be performed during this replacement period.

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4. Each diesel generator shall be inspected and maintained following the manufacturer's recommendations for this class of stand-by service.

The above tests will be considered satisfactory if the required minimum safeguards equipment operates as designed.

#### B. Station Batteries

1. Every month the voltage of each cell, the specific gravity and temperature of a pilot cell in each battery and each battery voltage shall be measured and recorded.
2. Every 3 months each battery shall be subjected to a 24 hour equalizing charge, and the specific gravity of each cell, the temperature reading of every fifth cell, the height of electrolyte, and the amount of water added shall be measured and recorded.
3. At least once per 24 months, during shutdown\*, each battery shall be subjected to a service test and a visual inspection of the plates.<sup>1</sup>
4. At least once per 60 months, during shutdown\*, each battery shall be subjected to a performance discharge (or modified performance discharge) test.<sup>1,2</sup> This test shall verify that the battery capacity is at least 80% of the manufacturer's rating.
5. Any battery which is demonstrated to have less than 90% of the manufacturer's rating or, whose capacity drops more than 10% of rated capacity from its previous performance discharge (or modified performance discharge) test, shall be subjected to a performance discharge (or modified performance discharge) test annually, during shutdown, until the battery is replaced.

#### Basis

The tests specified are designed to demonstrate that the diesel generators will provide power for operation of equipment. They also assure that the emergency generator system controls and the control systems for the safeguards equipment will function automatically in the event of a loss of all normal 480v AC station service power. During the simulated loss of power/safety injection system test of specification 4.6.A.3, certain safeguards valves will be closed and made inoperable, to prevent Safety Injection flow to the core.

1. A modified performance discharge test may be performed in lieu of the battery service test every other 24 month operating cycle.
2. The first time a performance discharge (or modified performance discharge test) will be performed will be in refueling outage 10/11.

\* This battery surveillance may be performed on a one-time only basis during replacement of station batteries 31 and 32 when the unit is not shutdown in order to support the one-time allowed outage time change of 10 days, as indicated in section 3.7.B.4. This testing shall be done when the battery is disconnected from the DC bus.