

"INTENTIONALLY LEFT BLANK"

9603130015 960306
PDR ADOCK 05000298
P PDR

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.9 AUXILIARY ELECTRICAL SYSTEM

Applicability:

Applies to the auxiliary electrical power system.

Objective:

To assure an adequate supply of electrical power for operation of those systems required for safety.

Specification:

A. Auxiliary Electrical Equipment

1. The reactor shall not be made critical from a Cold Shutdown Condition unless all of the following conditions are satisfied:
 - a. Both off-site sources (345 KV and 69 KV) and the startup transformer and emergency transformer are available and capable of automatically supplying power to the 4160 Volt emergency buses 1F and 1G.
 - b. Both diesel generators shall be operable and there shall be a minimum of 48,000 gal. of diesel fuel in the fuel oil storage tanks.
 - c. The 4160V critical buses 1F and 1G and the 480V critical buses 1F and 1G are energized.
 1. The loss of voltage relays and their auxiliary relays are operable.
 2. The undervoltage relays and their auxiliary relays are operable
 - d. The four unit 125V/250V batteries and their chargers shall be operable.
 - e. The power monitoring system for the inservice RPS MG set or alternate source shall be operable.

4.9 AUXILIARY ELECTRICAL SYSTEM

Applicability:

Applies to the periodic testing requirements of the auxiliary electrical systems.

Objective:

Verify the operability of the auxiliary electrical system.

Specification:

A. Auxiliary Electrical Equipment

1. Emergency Buses Undervoltage Relays
 - a. Loss of voltage relays

Once every 18 months, loss of voltage on emergency buses is simulated to demonstrate the load shedding from emergency buses and the automatic start of diesel generators.
 - b. Undervoltage relays

Once every 18 months, low voltage on emergency buses is simulated to demonstrate disconnection of the emergency buses from the offsite power source. The undervoltage relays shall be calibrated once every 18 months.

3.9.B

4.9.A. (cont'd)

B. Operation with Inoperable Equipment

Whenever the reactor is in Run Mode or Startup Mode with the reactor not in a Cold Condition, the availability of electric power shall be as specified in 3.9.A.1, except as specified in 3.9.B.1.

1. Incoming Power

- a. From and after the date incoming power is not available from a startup or emergency transformer, continued reactor operation is permissible under this condition for seven days. At the end of this period, provided the second source of incoming power has not been made immediately available, the NRC must be notified of the event and the plan to restore this second source. During this period, the two diesel generators and associated critical buses must be demonstrated to be operable.
- b. From and after the date that incoming power is not available from both start-up and emergency transformers (i.e., both failed), continued operation is permissible, provided the two diesel generators and associated critical buses are demonstrated to be operable, all core and containment cooling systems are operable, reactor power level is reduced to 25% of the rated and NRC is notified within 24 hours of the situation, the precautions to be taken during this period and the plans for prompt restoration of incoming power.