

PBAPS

LIMITING CONDITIONS FOR OPERATIONS

SURVEILLANCE REQUIREMENTS

D. Reactor Protection System  
Power Supply

1\*\*Reactor Protection System  
Power Supply:

One trip train\* per RPS MG set may be in the bypassed or inoperative condition for a period of 72 hours. If this condition cannot be satisfied, or if both trip trains are inoperative, the RPS bus shall be transferred to the alternate source or de-energized within 30 minutes.

C. When it is determined that a channel has failed in the unsafe condition, the other RPS channels that monitor the same variable shall be functionally tested immediately before the trip system containing the failure is tripped. The trip system containing the unsafe failure may be placed in the untripped condition during the period in which surveillance testing is being performed on the other RPS channels. The trip system may be in the untripped position for no more than eight hours per functional trip period for this testing.

D. Reactor Protection System  
Power Supply

1.\*\*The following RPS power supply (MG set) protective devices shall be functionally tested at least once every six months and calibrated once each refueling outage.

<u>Device</u>	<u>Acceptable Setting</u>
Undervoltage	108 + 2 Volts
Overvoltage	132 + 2 Volts
Underfrequency	57 Hz + .2 Hz
Underfrequency	
Time Delay	6 sec + 1 sec

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2\*\* One trip train\* of the RPS alternate power supply may be in the bypassed or inoperative condition for a period of 72 hours. If this condition cannot be satisfied, or if both trip trains are inoperative, the RPS bus shall be transferred to the RPS MG set or de-energized within 30 minutes.

## SURVEILLANCE REQUIREMENTS

2\*\* The following RPS alternate power supply protective devices shall be functionally tested at least once every six months and calibrated once each refueling outage.

<u>Device</u>	<u>Acceptable Setting</u>
Undervoltage	108 $\pm$ 2 Volts
Overvoltage	132 $\pm$ 2 Volts
Underfrequency	57 Hz $\pm$ .2 Hz

\* A trip train consists of one breaker, one undervoltage relay, one overvoltage relay, one underfrequency relay, one time delay relay (MG set only), and the associated logic.

\*\* Effective upon installation of the protective trip devices.