

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

2. By selecting and functionally testing a representative sample of each type of fuse on a rotating basis. Each representative sample of fuses shall include at least 10% of all fuses of that type. The functional test shall consist of a non-destructive resistance measurement test which demonstrates that the fuse meets its manufacturer's design criteria. Fuses found inoperable during these functional testing shall be replaced with OPERABLE fuses prior to resuming operation. For each fuse found inoperable during these functional tests, an additional representative sample of at least 10% of all fuses of that type shall be functionally tested until no more failures are found or all fuses of that type have been functionally tested.

3. Functionally testing each overcurrent relay listed in Table 3.8.4.1-1. Testing of these relays shall consist of injecting a current in excess of 120% of the nominal relay initiation current and measuring the response time. The measured response time shall be within $\pm 10\%$ of the specified value.

- b. At least once per 60 months by subjecting each circuit breaker to an inspection and preventive maintenance in accordance with procedures prepared in conjunction with its manufacturer's recommendations.

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TABLE 3.8.4.1-1 (Continued)

PRIMARY CONTAINMENT PENETRATION CONDUCTOR
OVERCURRENT PROTECTIVE DEVICES

<u>CIRCUIT BREAKER LOCATION</u>	<u>TYPE**</u>	<u>FRAME RATING/UL</u>	<u>RESPONSE TIME (Milli-seconds/Cycles)</u>	<u>SYSTEMS OR EQUIPMENT POWERED</u>
b. <u>Type 3 Molded Case Circuit Breakers</u>				
1. 1B236103	KB-TM	250/150	NA	1E440C - Containment Recomb Elect. Htr. Ass'y.
2. 1B246033	KB-TM	250/150	NA	1E440D - Containment Recomb Elect. Htr. Ass'y.
3. 1B226103	KB-TM	250/150	NA	1E440B - Containment Recomb Elect. Htr. Ass'y
4. 1B216092	KB-TM	250/150	NA	1E440A - Containment Recomb. Elect. Htr. Ass'y

<u>Circuit Breakers Tripped By Overcurrent Relays</u>	<u>Relay Type</u>	<u>Relay Initiation Current (Amperes)</u>	<u>Response Time (Seconds)</u>	<u>Systems or Equipment Powered</u>
1. 1A20501	50D	5	80	1P401A Reactor Recirc Pump
2. 1A20502	50D	5	80	1P401A Reactor Recirc Pump
3. 1A20601	50D	5	80	1P401B Reactor Recirc Pump
4. 1A20602	50D	5	80	1P401B Reactor Recirc Pump

**KB-TM - Westinghouse Type KB, Thermal-magnetic