

- 6.6.1.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB4-2 and OTB4-3). Record on MDRF, EXHIBIT F.
- 6.6.1.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB5-1 and OTB5-2). Record on MDRF, EXHIBIT F.
- 6.6.1.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB5-7 and OTB5-8). Record on MDRF, EXHIBIT F.
- 6.6.1.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB5-9 and OTB5-10). Record on MDRF, EXHIBIT F.
- 6.6.1.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB5-11 and OTB5-12). Record on MDRF, EXHIBIT F.
- 6.6.1.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB4-7 and OTB4-8). Record on MDRF, EXHIBIT F.
- 6.6.1.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB4-1 and OTB4-3). Record on MDRF, EXHIBIT F.
- 6.6.1.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB5-1 and OTB5-2). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.1.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.1.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.
- 6.6.1.3 Trip Test Number (2) - K Relay Remove Simulate
 - 6.6.1.3.1 Remove jumper between OTB1-9 and OTB1-10 (refer to step 6.6.1.1.4). Record on MDRF, EXHIBIT F.
 - 6.6.1.3.2 Verify breaker "OPENS". Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.1.3.3 Reinstall jumper between OTB1-9 and OTB1-10. Record on MDRF, EXHIBIT F.
 - 6.6.1.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

Rev. 1

- 6.6.1.4 Trip Test Number (3) - Remote MT Pushbutton Simulate
 - 6.6.1.4.1 Momentarily jumper OTB2-3 and OTB2-4. Record on MDRF, EXHIBIT F.
 - 6.6.1.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.1.4.3 Remove jumper completely from OTB2-3 and OTB2-4. Record on MDRF, EXHIBIT F.
 - 6.6.1.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.1.5 Trip Test Number (4) - Remote K Relay Contact Simulate
 - 6.6.1.5.1 Momentarily jumper OTB1-3 and OTB1-4. Record on MDRF, EXHIBIT F.
 - 6.6.1.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.1.5.3 Remove jumper completely from OTB1-3 and OTB1-4. Record on MDRF, EXHIBIT F.
 - 6.6.1.5.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.1.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.1.6.1 Operate the "EMERGENCY TRIP" Pushbutton.
 - 6.6.1.6.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.1.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
 - 6.6.1.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.1.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.1.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.1.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.1.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
- 6.6.1.7.6 Operate Test Trip Switch.
- 6.6.1.7.7 Verify breaker is "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.1.7.8 Open 2D1P103 (also de-energizes TCB-5 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.
- 6.6.1.7.9 Remove test jumper between OTB1-9 and OTB1-10. Record on MDRF, EXHIBIT F.
- 6.6.1.7.10 Reinstall green wire, removed in Step 6.6.1.1.5, to OTB1-4. Record on MDRF, EXHIBIT F.
- 6.6.1.7.11 Remove "TEMPORARY" test switch between OTB1-1 and OTB1-2. Record on MDRF, EXHIBIT F.
- 6.6.1.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
- 6.6.1.7.13 Reinsert breaker into "OPERATE" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
- 6.6.2 Trip Latch Check - TCB-2 (EXHIBIT D).
- 6.6.2.1 Preparation
 - 6.6.2.1.1 Verify 2B1509 and 2B1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.2.1.2 Verify TOB 2 is in "OPERATE" Position and in "TRIPPED" mode . Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.2.1.3 Open 2D2P103. Verify Green Off/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.2.1.4 Install test jumper between OTB10-9 and OTB10-10. Record on MDRF, EXHIBIT F.
- 6.6.2.1.5 Remove green wire from OTB10-4. Record on MDRF, EXHIBIT F.
- 6.6.2.1.6 Install "TEMPORARY" test switch (N.O. Momentary Contact Pushbutton) between OTB10-1 and OTB10-2. Record on MDRF, EXHIBIT F.
- 6.6.2.1.7 Close 2D2P103, and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.2.1.8 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.2.1.9 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.2.1.10 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB13-2 and OTB13-3). Record on MDRF, EXHIBIT F.
- 6.6.2.1.11 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB14-1 and OTB14-2). Record on MDRF, EXHIBIT F.
- 6.6.2.1.12 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB14-7 and OTB14-8). Record on MDRF, EXHIBIT F.
- 6.6.2.1.13 Verify Auxiliary Switch contacts 7-7c "CLOSED" - (OTB14-9 and OTB14-10). Record on MDRF, EXHIBIT F.
- 6.6.2.1.14 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB14-11 and OTB14-12). Record on MDRF, EXHIBIT F.
- 6.6.2.1.15 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB13-7 and OTB13-8). Record on MDRF, EXHIBIT F.
- 6.6.2.1.16 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB13-1 and OTB13-3). Record on MDRF, EXHIBIT F.
- 6.6.2.1.17 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB14-3 and OTB14-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.2.2 Trip test number (1) - Manual Trip Button on breaker.
- 6.6.2.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.2.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB13-2 and OTB13-3). Record on MDRF, EXHIBIT F.
- 6.6.2.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB14-1 and OTB14-2). Record on MDRF, EXHIBIT F.
- 6.6.2.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB14-7 and OTB14-8). Record on MDRF, EXHIBIT F.
- 6.6.2.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB14-9 and OTB14-10). Record on MDRF, EXHIBIT F.
- 6.6.2.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB14-11 and OTB14-12). Record on MDRF, EXHIBIT F.
- 6.6.2.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB13-7 and OTB13-8). Record on MDRF, EXHIBIT F.
- 6.6.2.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB13-1 and OTB13-3). Record on MDRF, EXHIBIT F.
- 6.6.2.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB14-3 and OTB14-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.2.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.2.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.2.3 Trip Test Number (2) - K Relay Simulate
- 6.6.2.3.1 Remove jumper between OTB10-9 and OTB10-10 (refer to step 6.6.2.1.4). Record on MDRF, EXHIBIT F.
 - 6.6.2.3.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.2.3.3 Reinstall jumper between OTB10-9 and OTB10-10. Record on MDRF, EXHIBIT F.
 - 6.6.2.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.2.4 Trip Test Number (3) - Remote MT Pushbutton Simulate
- 6.6.2.4.1 Momentarily jumper OTB11-3 and OTB11-4. Record on MDRF, EXHIBIT F.
 - 6.6.2.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.2.4.3 Remove jumper completely from OTB11-3 and OTB11-4. Record on MDRF, EXHIBIT F.
 - 6.6.2.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.2.5 Trip Test Number (4) - Remote K Relay Contact Simulate
- 6.6.2.5.1 Momentarily jumper OTB10-3 and OTB10-4. Record on MDRF, EXHIBIT F.
 - 6.6.2.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.2.5.3 Remove jumper completely from OTB10-3 and OTB10-4. Record on MDRF, EXHIBIT F.
 - 6.6.2.5.4 Close breaker by operating "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.2.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.2.6.1 Operate the "EMERGENCY TRIP" Pushbutton.
 - 6.6.2.6.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.2.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
 - 6.6.2.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
 - 6.6.2.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.6 Operate Test Trip Switch.
 - 6.6.2.7.7 Verify breaker is "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.8 Open 2D2P103 (also de-energizes TCB-6 and TCB-9 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.9 Remove test jumper between OTB10-9 and OTB10-10. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.10 Reinstall green wire, removed in Step 6.6.2.1.5, to OTB10-4. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.11 Remove "TEMPORARY" test switch between OTB10-1 and OTB10-2. Record on MDRF, EXHIBIT F.
 - 6.6.2.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
 - 6.6.2.7.13 Reinsert breaker into "OPERATE" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.

Rev. 1

6.6.3 Trip Latch Check - TCB-3 (EXHIBIT D).

6.6.3.1 Preparation

- 6.6.3.1.1 Verify ZB1509 and ZB1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.
- 6.6.3.1.2 Verify TCB-3 is in "OPERATE" Position and in "TRIPPED" mode. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.3.1.3 Open 2D3P103. Verify Green Off/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.3.1.4 Install test jumper between OTB22-9 and OTB22-10. Record on MDRF, EXHIBIT F.
- 6.6.3.1.5 Remove green wire from OTB22-4. Record on MDRF, EXHIBIT F.
- 6.6.3.1.6 Install "TEMPORARY" test switch (N.O. Momentary Contact Pushbutton) between OTB22-1 and OTB22-2. Record on MDRF, EXHIBIT F.
- 6.6.3.1.7 Close 2D3P103, and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.3.1.8 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.3.1.9 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.3.1.10 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB25-2 and OTB25-3). Record on MDRF, EXHIBIT F.
- 6.6.3.1.11 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB26-1 and OTB26-2). Record on MDRF, EXHIBIT F.
- 6.6.3.1.12 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB26-7 and OTB26-8). Record on MDRF, EXHIBIT F.
- 6.6.3.1.13 Verify Auxiliary Switch contacts 7-7c "CLOSED" - (OTB26-9 and OTB26-10). Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.3.1.14 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB26-11 and OTB26-12). Record on MDRF, EXHIBIT F.
- 6.6.3.1.15 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB25-7 and OTB25-8). Record on MDRF, EXHIBIT F.
- 6.6.3.1.16 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB25-1 and OTB25-3). Record on MDRF, EXHIBIT F.
- 6.6.3.1.17 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB26-3 and OTB26-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.3.2 Trip test number (1) - Manual Trip Button on breaker.
- 6.6.3.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.3.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB25-2 and OTB25-3). Record on MDRF, EXHIBIT F.
- 6.6.3.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB26-1 and OTB26-2). Record on MDRF, EXHIBIT F.
- 6.6.3.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB26-7 and OTB26-8). Record on MDRF, EXHIBIT F.
- 6.6.3.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB26-9 and OTB26-10). Record on MDRF, EXHIBIT F.
- 6.6.3.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB26-11 and OTB26-12). Record on MDRF, EXHIBIT F.
- 6.6.3.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB25-7 and OTB25-8). Record on MDRF, EXHIBIT F.
- 6.6.3.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB25-1 and OTB25-3). Record on MDRF, EXHIBIT F.
- 6.6.3.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB26-3 and OTB26-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.3.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.3.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.
- 6.6.3.3 Trip Test Number (2) - K Relay Remote Simulate
 - 6.6.3.3.1 Remove jumper between OTB22-9 and OTB22-10 (refer to step 6.6.3.1.4). Record on MDRF, EXHIBIT F.
 - 6.6.3.3.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.3.3.3 Reinstall jumper between OTB22-9 and OTB22-10. Record on MDRF, EXHIBIT F.
 - 6.6.3.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.3.4 Trip Test Number (3) - Remote MT Pushbutton Simulate
 - 6.6.3.4.1 Momentarily jumper OTB23-3 and OTB23-4. Record on MDRF, EXHIBIT F.
 - 6.6.3.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.3.4.3 Remove jumper completely from OTB23-3 and OTB23-4. Record on MDRF, EXHIBIT F.
 - 6.6.3.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

Rev. 1

- 6.6.3.5 Trip Test Number (4) - Remote K Relay Contact Simulate
 - 6.6.3.5.1 Momentarily jumper OTB22-3 and OTB22-4. Record on MDRF, EXHIBIT F.
 - 6.6.3.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.3.5.3 Remove jumper completely from OTB22-3 and OTB22-4. Record on MDRF, EXHIBIT F.
 - 6.6.3.5.4 Close breaker by operating "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.3.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.3.6.1 Operate the "EMERGENCY TRIP" Pushbutton.
 - 6.6.3.6.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.3.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
 - 6.6.3.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
 - 6.6.3.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.3.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.3.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.3.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
 - 6.6.3.7.6 Operate Test Trip Switch.
 - 6.6.3.7.7 Verify breaker is "OPEN". Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.3.7.8 Open 2D3P101 (also de-energizes TOB-7 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.3.7.9 Remove test jumper between OTB22-9 and OTB22-10. Record on MDRF, EXHIBIT F.
- 6.6.3.7.10 Reinstall green wire, removed in Step 6.6.3.1.5, to OTB22-4. Record on MDRF, EXHIBIT F.
- 6.6.3.7.11 Remove "TEMPORARY" test switch between OTB22-1 and OTB22-2. Record on MDRF, EXHIBIT F.
- 6.6.3.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
- 6.6.3.7.13 Reinsert breaker into "OPERATE" position (EXHIBIT A). Record on MDRF, EXHIBIT F.

6.6.4 Trip Latch Check - TCB-4

6.6.4.1 Preparation

- 6.6.4.1.1 Verify 2B1509 and 2B1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.
- 6.6.4.1.2 Verify TCB-4 is in "OPERATE" Position and in "TRIPPED" mode. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.1.3 Open 2D4P101. Verify Green Off/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.1.4 Install test jumper between OTB31-9 and OTB31-10. Record on MDRF, EXHIBIT F.
- 6.6.4.1.5 Remove green wire from OTB31-4. Record on MDRF, EXHIBIT F.
- 6.6.4.1.6 Install "TEMPORARY" test switch (N.O. Momentary Contact Pushbutton) between OTB31-1 and OTB31-2. Record on MDRF, EXHIBIT F.
- 6.6.4.1.7 Close 2D4P101, and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.1.8 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.4.1.9 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.4.1.10 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB34-2 and OTB34-3). Record on MDRF, EXHIBIT F.
- 6.6.4.1.11 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB35-1 and OTB35-2). Record on MDRF, EXHIBIT F.
- 6.6.4.1.12 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB35-7 and OTB35-8). Record on MDRF, EXHIBIT F.
- 6.6.4.1.13 Verify Auxiliary Switch contacts 7-7c "CLOSED" - (OTB35-9 and OTB35-10). Record on MDRF, EXHIBIT F.
- 6.6.4.1.14 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB35-11 and OTB35-12). Record on MDRF, EXHIBIT F.
- 6.6.4.1.15 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB34-7 and OTB34-8). Record on MDRF, EXHIBIT F.
- 6.6.4.1.16 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB34-1 and OTB34-3). Record on MDRF, EXHIBIT F.
- 6.6.4.1.17 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB35-3 and OTB35-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.4.2 Trip test number (1) - Manual Trip Button on breaker.
- 6.6.4.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB34-2 and OTB34-3). Record on MDRF, EXHIBIT F.
- 6.6.4.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB35-1 and OTB35-2). Record on MDRF, EXHIBIT F.
- 6.6.4.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB35-7 and OTB35-8). Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.4.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB35-9 and OTB35-10). Record on MDRF, EXHIBIT F.
- 6.6.4.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB35-11 and OTB35-12). Record on MDRF, EXHIBIT F.
- 6.6.4.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB34-7 and OTB34-8). Record on MDRF, EXHIBIT F.
- 6.6.4.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB34-1 and OTB34-3). Record on MDRF, EXHIBIT F.
- 6.6.4.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB35-3 and OTB35-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.4.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.4.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.
- 6.6.4.3 Trip Test Number (2) - K Relay Remote Simulate
 - 6.6.4.3.1 Remove jumper between OTB31-9 and OTB31-10 (refer to step 6.6.4.1.4). Record on MDRF, EXHIBIT F.
 - 6.6.4.3.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.4.3.3 Reinstall jumper between OTB31-9 and OTB31-10. Record on MDRF, EXHIBIT F.
 - 6.6.4.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.4.4 Trip Test Number (3) - Remote MT Pushbutton Simulate

Rev. 1

Rev. 1

- 6.6.4.4.1 Momentarily jumper OTB32-3 and OTB32-4. Record on MDRF, EXHIBIT F.
- 6.6.4.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.4.3 Remove jumper completely from OTB32-3 and OTB32-4. Record on MDRF, EXHIBIT F.
- 6.6.4.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.4.5 Trip Test Number (4) - Remote K Relay Contact Simulate
 - 6.6.4.5.1 Momentarily jumper OTB31-3 and OTB31-4. Record on MDRF, EXHIBIT F.
 - 6.6.4.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.4.5.3 Remove jumper completely from OTB31-3 and OTB31-4. Record on MDRF, EXHIBIT F.
 - 6.6.4.5.4 Close breaker by operating "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.4.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.4.6.1 Operate the "EMERGENCY TRIP" Pushbutton.
 - 6.6.4.6.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
 - 6.6.4.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
 - 6.6.4.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.4.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.4.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
- 6.6.4.7.6 Operate Test Trip Switch.
- 6.6.4.7.7 Verify breaker is "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.4.7.8 Open 2D4P101 (also de-energizes TCB-8 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.
- 6.6.4.7.9 Remove test jumper between OTB31-9 and OTB31-10. Record on MDRF, EXHIBIT F.
- 6.6.4.7.10 Reinstall green wire, removed in Step 6.6.4.1.5, to OTB31-4. Record on MDRF, EXHIBIT F.
- 6.6.4.7.11 Remove "TEMPORARY" test switch between OTB31-1 and OTB31-2. Record on MDRF, EXHIBIT F.
- 6.6.4.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
- 6.6.4.7.13 Reinsert breaker into "OPERATE" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
- 6.6.5 Trip Latch Check - TCB-5 (EXHIBIT D)
 - 6.6.5.1 Preparation
 - 6.6.5.1.1 Verify 2B1509 and 2B1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.
 - 6.6.5.1.2 Verify TCB-5 is in "OPERATE" Position and in "TRIPPED" mode. Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.5.1.3 Open 2D1P103. Verify Green Off/Red Off. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.5.1.4 Install test jumper between OTB3-9 and OTB3-10. Record on MDRF, EXHIBIT F.
- 6.6.5.1.5 Remove green wire from OTB3-4. Record on MDRF, EXHIBIT F.
- 6.6.5.1.6 Install "TEMPORARY" test switch (N.O. Momentary Contact Pushbutton) between OTB3-1 and OTB3-2. Record on MDRF, EXHIBIT F.
- 6.6.5.1.7 Close 2D1P103 and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.5.1.8 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.5.1.9 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.5.1.10 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB4-5 and OTB4-6). Record on MDRF, EXHIBIT F.
- 6.6.5.1.11 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB8-1 and OTB8-2). Record on MDRF, EXHIBIT F.
- 6.6.5.1.12 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB8-7 and OTB8-8). Record on MDRF, EXHIBIT F.
- 6.6.5.1.13 Verify Auxiliary Switch contacts 7-7c "CLOSED" - (OTB8-9 and OTB8-10). Record on MDRF, EXHIBIT F.
- 6.6.5.1.14 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB8-11 and OTB8-12). Record on MDRF, EXHIBIT F.
- 6.6.5.1.15 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB4-9 and OTB4-10). Record on MDRF, EXHIBIT F.
- 6.6.5.1.16 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB4-4 and OTB4-6). Record on MDRF, EXHIBIT F.
- 6.6.5.1.17 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB8-1 and OTB8-2). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

6.6.5.2 Trip test number (1) - Manual Trip Button on breaker.

- 6.6.5.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.5.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB4-5 and OTB4-6). Record on MDRF, EXHIBIT F.
- 6.6.5.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB8-1 and OTB8-2). Record on MDRF, EXHIBIT F.
- 6.6.5.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB8-7 and OTB8-8). Record on MDRF, EXHIBIT F.
- 6.6.5.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB8-9 and OTB8-10). Record on MDRF, EXHIBIT F.
- 6.6.5.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB8-11 and OTB8-12). Record on MDRF, EXHIBIT F.
- 6.6.5.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB4-9 and OTB4-10). Record on MDRF, EXHIBIT F.
- 6.6.5.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB4-4 and OTB4-6). Record on MDRF, EXHIBIT F.
- 6.6.5.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB8-1 and OTB8-2). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.5.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.5.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.

Rev. 1

6.6.5.3 Trip Test Number (2) - K Relay Remote Simulate

- 6.6.5.3.1 Remove jumper between OTB3-9 and OTB3-10 (refer to step 6.6.5.1.4). Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.5.3.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.5.3.3 Reinstall jumper between OTB3-9 and OTB3-10. Record on MDRF, EXHIBIT F.
- 6.6.5.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.5.4 Trip Test Number (3) - Remote MT Pushbutton Simulate
 - 6.6.5.4.1 Momentarily jumper OTB2-9 and OTB2-10. Record on MDRF, EXHIBIT F.
 - 6.6.5.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.5.4.3 Remove jumper completely from OTB2-9 and OTB2-10. Record on MDRF, EXHIBIT F.
 - 6.6.5.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.5.5 Trip Test Number (4) - Remote K Relay Contact Simulate
 - 6.6.5.5.1 Momentarily jumper OTB3-3 and OTB3-4. Record on MDRF, EXHIBIT F.
 - 6.6.5.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.5.5.3 Remove jumper completely from OTB3-3 and OTB3-4. Record on MDRF, EXHIBIT F.
 - 6.6.5.5.4 Close breaker by operating "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.5.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.5.6.1 Operate the "EMERGENCY TRIP" Pushbutton.

Rev. 1

- 6.6.5.6.2 Verify breaker "OPENS". Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.5.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
 - 6.6.5.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
 - 6.6.5.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.6 Operate Test Trip Switch.
 - 6.6.5.7.7 Verify breaker is "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.8 Open 2D1P103 (also de-energizes TCB-1 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.9 Remove test jumper between OTB3-9 and OTB3-10. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.10 Reinstall green wire, removed in Step 6.6.5.1.5, to OTB3-4. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.11 Remove "TEMPORARY" test switch between OTB3-1 and OTB3-2. Record on MDRF, EXHIBIT F.
 - 6.6.5.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
 - 6.6.5.7.13 Reinsert breaker into "OPERATE" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.

Rev. 1

6.6.6 Trip Latch Check - TCB-6.

6.6.6.1 Preparation

- 6.6.6.1.1 Verify ZB1509 and ZB1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.
- 6.6.6.1.2 Verify TCB-6 is in "OPERATE" Position and in "TRIPPED" mode. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.6.1.3 Open ZD2P103. Verify Green Off/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.6.1.4 Install test jumper between OTB12-9 and OTB12-10. Record on MDRF, EXHIBIT F.
- 6.6.6.1.5 Remove green wire from OTB12-4. Record on MDRF, EXHIBIT F.
- 6.6.6.1.6 Install "TEMPORARY" test switch (N.O. Momentary Contact Pushbutton) between OTB12-1 and OTB12-2. Record on MDRF, EXHIBIT F.
- 6.6.6.1.7 Close ZD2P103, and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.6.1.8 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.6.1.9 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.6.1.10 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB13-5 and OTB13-6). Record on MDRF, EXHIBIT F.
- 6.6.6.1.11 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB17-1 and OTB17-2). Record on MDRF, EXHIBIT F.
- 6.6.6.1.12 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB17-7 and OTB17-8). Record on MDRF, EXHIBIT F.
- 6.6.6.1.13 Verify Auxiliary Switch contacts 7-7c "CLOSED" - (OTB17-9 and OTB17-10). Record on MDRF, EXHIBIT F.
- 6.6.6.1.14 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB17-11 and OTB17-12). Record on MDRF, EXHIBIT F.

Rev. 1

MPES008

Page 30 of 103

Rev. 1

SONGS 243

- 6.6.6.1.15 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB13-9 and OTB13-10). Record on MDRF, EXHIBIT F.
- 6.6.6.1.16 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB13-4 and OTB13-6). Record on MDRF, EXHIBIT F.
- 6.6.6.1.17 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB17-3 and OTB17-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.6.2 Trip test number (1) - Manual Trip Button on breaker.
- 6.6.6.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.6.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB13-5 and OTB13-6). Record on MDRF, EXHIBIT F.
- 6.6.6.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB17-1 and OTB17-2). Record on MDRF, EXHIBIT F.
- 6.6.6.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB17-7 and OTB17-8). Record on MDRF, EXHIBIT F.
- 6.6.6.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB17-9 and OTB17-10). Record on MDRF, EXHIBIT F.
- 6.6.6.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB17-11 and OTB17-12). Record on MDRF, EXHIBIT F.
- 6.6.6.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB13-9 and OTB13-10). Record on MDRF, EXHIBIT F.
- 6.6.6.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB13-4 and OTB13-6). Record on MDRF, EXHIBIT F.
- 6.6.6.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB17-3 and OTB17-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.6.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.6.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.
- 6.6.6.3 Trip Test Number (2) - K Relay Remote Simulate
 - 6.6.6.3.1 Remove jumper between OTB12-9 and OTB12-10 (refer to step 6.6.6.1.4). Record on MDRF, EXHIBIT F.
 - 6.6.6.3.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.6.3.3 Reinstall jumper between OTB12-9 and OTB12-10. Record on MDRF, EXHIBIT F.
 - 6.6.6.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.6.4 Trip Test Number (3) - Remote MT Pushbutton Simulate
 - 6.6.6.4.1 Momentarily jumper OTB11-9 and OTB11-10. Record on MDRF, EXHIBIT F.
 - 6.6.6.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.6.4.3 Remove jumper completely from OTB11-9 and OTB11-10. Record on MDRF, EXHIBIT F.
 - 6.6.6.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.6.5 Trip Test Number (4) - Remote-K Relay Contact Simulate
 - 6.6.6.5.1 Momentarily jumper OTB12-3 and OTB12-4. Record on MDRF, EXHIBIT F.
 - 6.6.6.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.6.5.3 Remove jumper completely from OTB12-3 and OTB12-4. Record on MDRF, EXHIBIT F.
 - 6.6.6.5.4 Close breaker by operating "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.6.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.6.6.1 Operate the "EMERGENCY TRIP" Pushbutton.
 - 6.6.6.6.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.6.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
 - 6.6.6.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
 - 6.6.6.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.6.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.6.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.6.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
 - 6.6.6.7.6 Operate Test Trip Switch.
 - 6.6.6.7.7 Verify breaker is "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.6.7.8 Open 2D2P103 (also de-energizes TCB-2 and TCB-9 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.
- 6.6.6.7.9 Remove test jumper between OTB12-9 and OTB12-10. Record on MDRF, EXHIBIT F.
- 6.6.6.7.10 Reinstall green wire removed in Step 6.6.6.1.5, to OTB12-4. Record on MDRF, EXHIBIT F.
- 6.6.6.7.11 Remove "TEMPORARY" test switch between OTB12-1 and OTB12-2. Record on MDRF, EXHIBIT F.
- 6.6.6.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
- 6.6.6.7.13 Reinsert breaker into "OPERATE" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
- 6.6.7 Trip Latch Check - TCB-7
 - 6.6.7.1 Preparation
 - 6.6.7.1.1 Verify 2B1509 and 2B1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.
 - 6.6.7.1.2 Verify TCB-7 is in "OPERATE" Position and in "TRIPPED" mode. Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.7.1.3 Open 2D3P101. Verify Green Off/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.7.1.4 Install test jumper between OTB24-9 and OTB24-10. Record on MDRF, EXHIBIT F.
 - 6.6.7.1.5 Remove green wire from OTB24-4. Record on MDRF, EXHIBIT F.
 - 6.6.7.1.6 Install "TEMPORARY" test switch (N.O. Momentary Contact Pushbutton) between OTB24-1 and OTB24-2. Record on MDRF, EXHIBIT F.
 - 6.6.7.1.7 Close 2D3P101, and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.7.1.8 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.7.1.9 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.7.1.10 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB24-5 and OTB24-6). Record on MDRF, EXHIBIT F.
- 6.6.7.1.11 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB29-1 and OTB29-2). Record on MDRF, EXHIBIT F.
- 6.6.7.1.12 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB29-7 and OTB29-8). Record on MDRF, EXHIBIT F.
- 6.6.7.1.13 Verify Auxiliary Switch contacts 7-7c "CLOSED" - OTB29-9 and OTB29-10). Record on MDRF, EXHIBIT F.
- 6.6.7.1.14 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB29-11 and OTB29-12). Record on MDRF, EXHIBIT F.
- 6.6.7.1.15 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB25-9 and OTB25-10). Record on MDRF, EXHIBIT F.
- 6.6.7.1.16 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB25-4 and OTB25-6). Record on MDRF, EXHIBIT F.
- 6.6.7.1.17 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB29-3 and OTB29-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.7.2 Trip test number (1) - Manual Trip Button on breaker.
 - 6.6.7.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.7.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB24-5 and OTB24-6). Record on MDRF, EXHIBIT F.
 - 6.6.7.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB29-1 and OTB29-2). Record on MDRF, EXHIBIT F.
 - 6.6.7.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB29-7 and OTB29-8). Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.7.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB29-9 and OTB29-10). Record on MDRF, EXHIBIT F.
- 6.6.7.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB29-11 and OTB29-12). Record on MDRF, EXHIBIT F.
- 6.6.7.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB25-9 and OTB25-10). Record on MDRF, EXHIBIT F.
- 6.6.7.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB25-4 and OTB25-6). Record on MDRF, EXHIBIT F.
- 6.6.7.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB29-3 and OTB29-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.7.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.7.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.

Rev. 1

6.6.7.3 Trip Test Number (2) - K Relay Remote Simulate

- 6.6.7.3.1 Remove jumper between OTB24-9 and OTB24-10 (refer to step 6.6.7.1.4). Record on MDRF, EXHIBIT F.
- 6.6.7.3.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.7.3.3 Reinstall jumper between OTB24-9 and OTB24-10. Record on MDRF, EXHIBIT F.
- 6.6.7.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.

Rev. 1

6.6.7.4 Trip Test Number (3) - Remote MT Pushbutton Simulate

- 6.6.7.4.1 Momentarily jumper OTB23-9 and OTB23-10. Record on MDRF, EXHIBIT F.
- 6.6.7.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.7.4.3 Remove jumper completely from OTB23-9 and OTB23-10. Record on MDRF, EXHIBIT F.
- 6.6.7.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.7.5 Trip Test Number (4) - Remote K Relay Contact Simulate
 - 6.6.7.5.1 Momentarily jumper OTB24-3 and OTB24-4. Record on MDRF, EXHIBIT F.
 - 6.6.7.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.7.5.3 Remove jumper completely from OTB24-3 and OTB24-4. Record on MDRF, EXHIBIT F.
 - 6.6.7.5.4 Close breaker by operating "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.7.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.7.6.1 Operate the "EMERGENCY TRIP" Pushbutton.
 - 6.6.7.6.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.7.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
 - 6.6.7.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
 - 6.6.7.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
 - 6.6.7.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.

- 6.6.7.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.7.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
- 6.6.7.7.6 Operate Test Trip Switch. Record on MDRF, EXHIBIT F.
- 6.6.7.7.7 Verify breaker is "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.7.7.8 Open 2D3P101 (also de-energizes TCB-3 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.
- 6.6.7.7.9 Remove test jumper between OTB24-9 and OTB24-10. Record on MDRF, EXHIBIT F.
- 6.6.7.7.10 Reinstall green wire, removed in Step 6.6.7.1.5, to OTB24-4. Record on MDRF, EXHIBIT F.
- 6.6.7.7.11 Remove "TEMPORARY" test switch between OTB24-1 and OTB24-2. Record on MDRF, EXHIBIT F.
- 6.6.7.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
- 6.6.7.7.13 Reinsert breaker into "OPERATE" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
- 6.6.8 Trip Latch Check - TCB-8
 - 6.6.8.1 Preparation
 - 6.6.8.1.1 Verify 2B1509 and 2B1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.
 - 6.6.8.1.2 Verify TCB-8 is in "OPERATE" Position and in "TRIPPED" mode. Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.8.1.3 Open 2D4P101. Verify Green Off/Red Off. Record on MDRF, EXHIBIT F.

Rev. 1

Rev. 1

- 6.6.8.1.4 Install test jumper between OTB33-9 and OTB33-10. Record on MDRF, EXHIBIT F.
- 6.6.8.1.5 Remove green wire from OTB33-4. Record on MDRF, EXHIBIT F.
- 6.6.8.1.6 Install "TEMPORARY" test switch (N.O. Momentary Contact Pushbutton) between OTB33-1 and OTB33-2. Record on MDRF, EXHIBIT F.
- 6.6.8.1.7 Close 2D4P101, and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.8.1.8 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.8.1.9 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.8.1.10 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB34-5 and OTB34-6). Record on MDRF, EXHIBIT F.
- 6.6.8.1.11 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB38-1 and OTB38-2). Record on MDRF, EXHIBIT F.
- 6.6.8.1.12 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB38-7 and OTB38-8). Record on MDRF, EXHIBIT F.
- 6.6.8.1.13 Verify Auxiliary Switch contacts 7-7c "CLOSED" - (OTB38-9 and OTB38-10). Record on MDRF, EXHIBIT F.
- 6.6.8.1.14 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB38-11 and OTB38-12). Record on MDRF, EXHIBIT F.
- 6.6.8.1.15 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB34-9 and OTB34-10). Record on MDRF, EXHIBIT F.
- 6.6.8.1.16 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB34-4 and OTB34-6). Record on MDRF, EXHIBIT F.
- 6.6.8.1.17 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB38-3 and OTB38-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

6.6.8.2 Trip test number (1) - Manual Trip Button on breaker.

- 6.6.8.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.8.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB34-5 and OTB34-6). Record on MDRF, EXHIBIT F.
- 6.6.8.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB38-1 and OTB38-2). Record on MDRF, EXHIBIT F.
- 6.6.8.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB38-7 and OTB38-8). Record on MDRF, EXHIBIT F.
- 6.6.8.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB38-9 and OTB38-10). Record on MDRF, EXHIBIT F.
- 6.6.8.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB38-11 and OTB38-12). Record on MDRF, EXHIBIT F.
- 6.6.8.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB34-9 and OTB34-10). Record on MDRF, EXHIBIT F.
- 6.6.8.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB34-4 and OTB34-6). Record on MDRF, EXHIBIT F.
- 6.6.8.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB38-3 and OTB38-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.8.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.8.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.

Rev. 1

6.6.8.3 Trip Test Number (2) - R Relay Remote Simulate

- 6.6.8.3.1 Remove jumper between OTB33-9 and OTB33-10 (refer to step 6.6.8.1.4). Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.8.3.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.8.3.3 Reinstall jumper between OTB33-9 and OTB33-10. Record on MDRF, EXHIBIT F.
- 6.6.8.3.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.8.4 Trip Test Number (3) - Remote MT Pushbutton Simulate
 - 6.6.8.4.1 Momentarily jumper OTB32-9 and OTB32-10. Record on MDRF, EXHIBIT F.
 - 6.6.8.4.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.8.4.3 Remove jumper completely from OTB32-9 and OTB32-10. Record on MDRF, EXHIBIT F.
 - 6.6.8.4.4 Close breaker by depressing "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.8.5 Trip Test Number (4) - Remote K Relay Contact Simulate
 - 6.6.8.5.1 Momentarily jumper OTB33-3 and OTB33-4. Record on MDRF, EXHIBIT F.
 - 6.6.8.5.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.8.5.3 Remove jumper completely from OTB33-3 and OTB33-4. Record on MDRF, EXHIBIT F.
 - 6.6.8.5.4 Close breaker by operating "TEMPORARY" test switch and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.8.6 Trip Test Number (5) - Emergency Trip Pushbutton
 - 6.6.8.6.1 Operate the "EMERGENCY TRIP" Pushbutton.

Rev. 1

- 6.6.8.6.2 Verify breaker "OPENS." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.8.7 Trip Test Number (6) - Local Test Trip and Close Pushbutton
- 6.6.8.7.1 Place breaker in "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
- 6.6.8.7.2 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.8.7.3 Operate Test Trip Switch, and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.8.7.4 Operate Close Test Switch, and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.8.7.5 Verify that breaker cannot be racked in. Record on MDRF, EXHIBIT F.
- 6.6.8.7.6 Operate Test Trip Switch.
- 6.6.8.7.7 Verify breaker is "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.8.7.8 Open 2D4P101 (also de-energizes TCB-4 Control Voltage). Verify Green Off. Record on MDRF, EXHIBIT F.
- 6.6.8.7.9 Remove test jumper between OTB33-9 and OTB33-10. Record on MDRF, EXHIBIT F.
- 6.6.8.7.10 Reinstall green wire, removed in Step 6.6.8.1.5, to OTB33-4. Record on MDRF, EXHIBIT F.
- 6.6.8.7.11 Remove "TEMPORARY" test switch between OTB33-1 and OTB33-2. Record on MDRF, EXHIBIT F.
- 6.6.8.7.12 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
- 6.6.8.7.13 Reinsert breaker into "OPERATE" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.

Rev. 1

Rev. 1

6.6.9 Trip Latch Check - TCB-9

Rev. 1

6.6.9.1 Preparation

- 6.6.9.1.1 Verify 2B1509 and 2B1606 "OPEN" (EXHIBIT E). Record on MDRF, EXHIBIT F.
- 6.6.9.1.2 Verify TCB-9 is in "OPERATE" position and in "TRIPPED" mode. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.1.3 Close breaker by close button and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.9.1.4 Verify breaker is closed. Record on MDRF, EXHIBIT F.
- 6.6.9.1.5 Verify Auxiliary Switch contacts 3-3c "CLOSED" - (OTB20-2 and OTB20-3). Record on MDRF, EXHIBIT F.
- 6.6.9.1.6 Verify Auxiliary Switch contacts 10-10c "OPEN" - (OTB21-1 and OTB21-2). Record on MDRF, EXHIBIT F.
- 6.6.9.1.7 Verify Auxiliary Switch contacts 6-6c "OPEN" - (OTB21-7 and OTB21-8). Record on MDRF, EXHIBIT F.
- 6.6.9.1.8 Verify Auxiliary Switch contacts 7-7c "CLOSED" - (OTB21-9 and OTB21-10). Record on MDRF, EXHIBIT F.
- 6.6.9.1.9 Verify Auxiliary Switch contacts 8-8c "OPEN" - (OTB21-11 and OTB21-12). Record on MDRF, EXHIBIT F.
- 6.6.9.1.10 Verify Auxiliary Switch contacts 5-5c "CLOSED" - (OTB20-7 and OTB20-8). Record on MDRF, EXHIBIT F.
- 6.6.9.1.11 Verify Auxiliary Switch contacts 4-4c "OPEN" - (OTB20-1 and OTB20-3). Record on MDRF, EXHIBIT F.
- 6.6.9.1.12 Verify Auxiliary Switch contacts 9-9c "CLOSED" - (OTB21-3 and OTB21-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.9.2 Trip test number (1) - Manual Trip Button on breaker.
- 6.6.9.2.1 Depress trip button on breaker front and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
 - 6.6.9.2.2 Verify Auxiliary Switch contacts 3-3c "OPEN" - (OTB20-2 and OTB20-3). Record on MDRF, EXHIBIT F.
 - 6.6.9.2.3 Verify Auxiliary Switch contacts 10-10c "CLOSED" - (OTB21-1 and OTB21-2). Record on MDRF, EXHIBIT F.
 - 6.6.9.2.4 Verify Auxiliary Switch contacts 6-6c "CLOSED" - (OTB21-7 and OTB21-8). Record on MDRF, EXHIBIT F.
 - 6.6.9.2.5 Verify Auxiliary Switch contacts 7-7c "OPEN" - (OTB21-9 and OTB21-10). Record on MDRF, EXHIBIT F.
 - 6.6.9.2.6 Verify Auxiliary Switch contacts 8-8c "CLOSED" - (OTB21-11 and OTB21-12). Record on MDRF, EXHIBIT F.
 - 6.6.9.2.7 Verify Auxiliary Switch contacts 5-5c "OPEN" - (OTB20-7 and OTB20-8). Record on MDRF, EXHIBIT F.
 - 6.6.9.2.8 Verify Auxiliary Switch contacts 4-4c "CLOSED" - (OTB20-1 and OTB20-3). Record on MDRF, EXHIBIT F.
 - 6.6.9.2.9 Verify Auxiliary Switch contacts 9-9c "OPEN" - (OTB21-3 and OTB21-4). Record on MDRF, EXHIBIT F.

Rev. 1

CAUTION

DO NOT TEST AUX SWITCH CONTACTS 1-1c OR 2-2c (ENERGIZED).

- 6.6.9.2.10 Close breaker using the maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.9.2.11 Verify that breaker cannot be racked out. Record on MDRF, EXHIBIT F.

Rev. 1

6.6.9.3 Trip Test Number (2) - Trip Coil Simulate.

- 6.6.9.3.1 Open 2D2P103 and verify. Green Off/Red Off, TCB-2, TCB-6, and TCB-9. Record on MDRF, EXHIBIT F.
- 6.6.9.3.2 Install a jumper between BC1 and BC2 in Section 03, EXHIBIT D. Record on MDRF, EXHIBIT F.

Rev. 1

- 6.6.9.3.3 Close 2D2P103 and verify. Green On/Red Off, TCB-2, TCB-6, and TCB-9. Record on MDRF, EXHIBIT F.
- 6.6.9.3.4 Close breaker using Close Button on door of compartment B, Section 03 and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.9.3.5 Trip breaker using Trip Button on door of compartment B, Section 03 and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.3.6 Open 2D2P103 and verify. Green Off/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.3.7 Remove jumper between BC1 and BC2. Record on MDRF, EXHIBIT F.
- 6.6.9.4 Trip Test Number (3) - Under-voltage Device Trip Simulate.
- 6.6.9.4.1 Remove two (2) wires on BC4 and connect them together. Record on MDRF, EXHIBIT F.
- 6.6.9.4.2 Close 2D2P103 and verify. Green On/Red Off, TCB-2, TCB-6, and TCB-9. Record on MDRF, EXHIBIT F.
- 6.6.9.4.3 Close breaker using Close Button on door of compartment B, Section 03 and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.9.4.4 Depress Trip Button on door and verify "OPEN". Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.4.5 Open 2D2P103 and Verify. Green Off/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.4.6 Reconnect the two (2) wires on BC4 (refer to step 6.6.9.4.1). Record on MDRF, EXHIBIT F.
- 6.6.9.4.7 Close 2D2P103 and verify. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.5 Trip Test Number (4) - Test Trip and Close Pushbutton.
- 6.6.9.5.1 Place breaker into "TEST" Position (refer to Exhibit A). Record on MDRF, EXHIBIT F.

Rev. 1

Rev. 1

Rev. 1

- 6.6.9.5.2 Close breaker using maintenance operating device and verify. Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.9.5.3 Operate Test Trip Button and verify "OPEN." Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.5.4 Operate Test Close Button and verify "CLOSED." Green Off/Red On. Record on MDRF, EXHIBIT F.
- 6.6.9.5.5 Verify that breaker cannot be racked into the "OPERATE" Position. Record on MDRF, EXHIBIT F.
- 6.6.9.5.6 Operate Test Trip Switch
- 6.6.9.5.7 Verify breaker is open. Green On/Red Off. Record on MDRF, EXHIBIT F.
- 6.6.9.5.8 Open 2D2P103 (also de-energizes TCB-2 and TCB-6 Control Voltage). Verify Green off. Record on MDRF, EXHIBIT F.
- 6.6.9.5.9 Should a Trip Test fail to operate the breaker, proceed to Step 6.6.10.
- 6.6.9.5.10 Reinsert breaker into "Operate" position, EXHIBIT A. Record on MDRF, EXHIBIT F.
- 6.6.10 Trip Latch Adjustment (All Breakers)
 - 6.6.10.1 Verify Control Power Off; both indicator lights, RED and GREEN OFF. Record on MDRF, EXHIBIT F.
 - 6.6.10.2 Trip breaker by depressing manual Trip Button on front of breaker. Record on MDRF, EXHIBIT F.
 - 6.6.10.3 Withdraw breaker to "TEST" Position (EXHIBIT A). Record on MDRF, EXHIBIT F.
 - 6.6.10.4 Verify that the Buffer Paddle (stops against end of latch adjustment screw) is tightly fastened to trip shaft by holding trip shaft and checking for relative motion of Buffer Paddle. Any motion is removed by tightening the fasteners holding Buffer Paddle to trip shaft. Record on MDRF, EXHIBIT F.

Rev 1

- 6.6.10.5 Turn latch adjusting screw, located on outer side of right-hand mechanism side frame, into the locknut, one complete turn.
- 6.6.10.6 Using the maintenance operating device, close breaker (EXHIBIT A). Record on MDRF, EXHIBIT F.
- 6.6.10.7 Trip breaker using manual Trip Button. Record on MDRF, EXHIBIT F.
- 6.6.10.8 Repeat steps 6.6.10.5 through 6.6.10.7 until breaker cannot be closed. Record on MDRF, EXHIBIT F.
- 6.6.10.9 Withdraw the adjusting screw from locknut 1/4 turn.
- 6.6.10.10 Attempt to close breaker using maintenance operating device. Record on MDRF, EXHIBIT F.
- 6.6.10.11 Trip breaker using manual Trip Button. Record on MDRF, EXHIBIT F.
- 6.6.10.12 Repeat steps 6.6.10.9 through 6.6.10.11 until contacts move toward "CLOSE" before tripping occurs. Record on MDRF, EXHIBIT F.
- 6.6.10.13 Note position of slot in head of adjusting screw. Turn screw counter-clockwise 3-1/2 turns from this position. Record on MDRF, EXHIBIT F.
- 6.6.10.14 Repeat Trip Latch Check (Section 6.6) for affected breaker. Should failure reoccur, replace entire trip mechanism. Record on MDRF, EXHIBIT F.
- 6.6.11 Rack all breakers into the "OPERATE" Position.
- 6.6.12 Secure and lock all of the 2L033 cabinet doors.

6.7 RESTORATION

- 6.7.1 Release the clearance in accordance with the approved plant clearance procedures.
- 6.7.2 Inform the Control Operator and the cognizant System Engineer (Startup) that the system is ready for retest or verification of operability checks.

Rev. 1

Rev. 1

Rev. 1

7.0 RECORDS

The Maintenance Data Record Forms will be forwarded to EDMC in accordance with TI-24.

Rev. 1

8.0 EXHIBITS

Exhibit A - Withdrawing, Inserting and Closing of the AK-25 Breaker

Exhibit B - Tools, Test Equipment and Consumables

Exhibit C - GEI-502998 Power Circuit Breakers Type AK-2-15 and AK-2/3-25

Exhibit D - TCB Orientation

Exhibit E - Power Isolation Table

Exhibit F - Maintenance Data Record Form

Rev. 1

WITHDRAWING, INSERTING AND CLOSING OF THE AK-25 BREAKER

I. Withdrawing of AK-25 Type Breaker

- A. Trip the breaker OPEN using manual Trip Button.
- B. Open Breaker cabinet (front) door.
- C. Pull the racking handle up and forward as far as it will travel, disengaging the primary disconnects.
- D. "Test" Position
 - 1) Slide the breaker out until the position stop engages in the front slot in bottom of breaker carriage.
- E. "Safety Position Stop"
 - 1) Lift the position stop handle and slide the breaker forward until position stop engages the rear slot in the bottom of the breaker carriage.

II. Reinserting of AK-25 Type Breaker

- A. Push the breaker into the compartment until the stop position "STOP" engages.
- B. Release the Test Position Stop by depressing its lever and push the breaker back into the compartment until racking pins butt against racking cam.
- C. With pawl engaged in first notch on cam, push handle down to normal position. Operate engage handle five (5) times (5th cycle is partial). Lift handle and allow to drop to normal position.
- D. Close breaker cabinet (front) door.

III. Manual Closing of Electrical Breakers

- A. Place the two (2) small hooks of the handle into the two slots located in the lower portion of the front escutcheon.
- B. Rotation of the long portion of handle downwards closes the breaker contacts.

EXHIBIT B

TOOLS, TEST EQUIPMENT AND CONSUMABLES

- | | |
|--|--------|
| 1) Multimeter (Simpson Model #260-6P or equivalent) | |
| 2) Variable Power Supply (0-130VDC 10 Amps Cap.) | |
| 3) Wrench, Open End, 5/16 Inch | Rev. 1 |
| 4) Spring Scale, 2 lb. range, 1/2 oz. increments (or equivalent) | Rev. 1 |
| 5) Test Light and Leads | |
| 6) Lubricant (Mechanical Parts - G. E. Spec. No. D50H15 or equivalent) | |
| 7) Lubricant (Electrical Parts - G.E. Spec. No. D50H047 or equivalent) | Rev. 1 |
| 8) Feeler Gauge | |
| 9) Solvent (AEC Alcohol - Marsh Romack or equivalent) | Rev. 1 |
| 10) Test Switch (Shop Stock Momentary Switch and Test Leads) | |
| 11) Maintenance Operating Dvice | Rev. 1 |

GEI-50299B Power Circuit Breakers Types AK-2-15 and AK-2/3-25

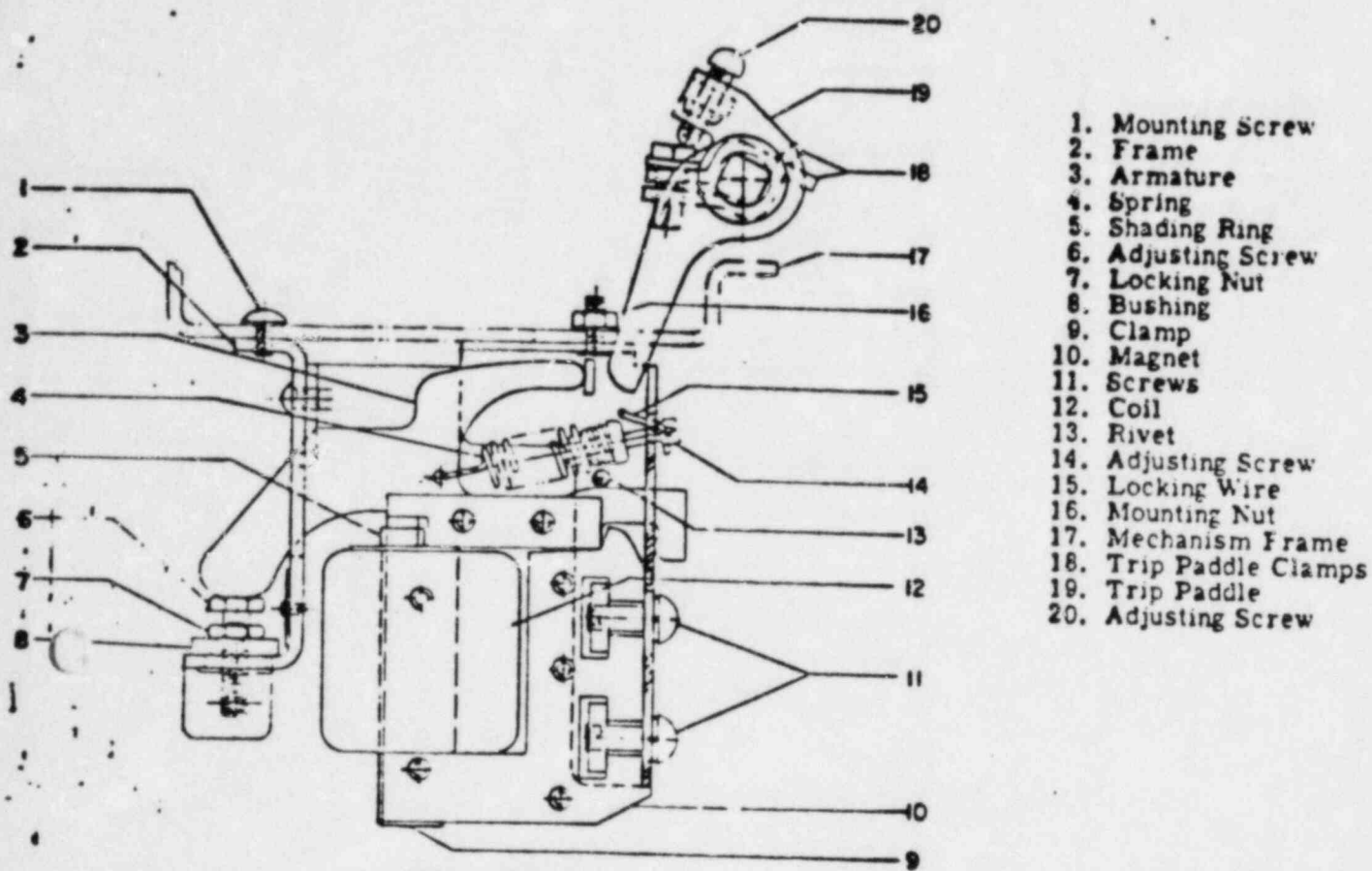
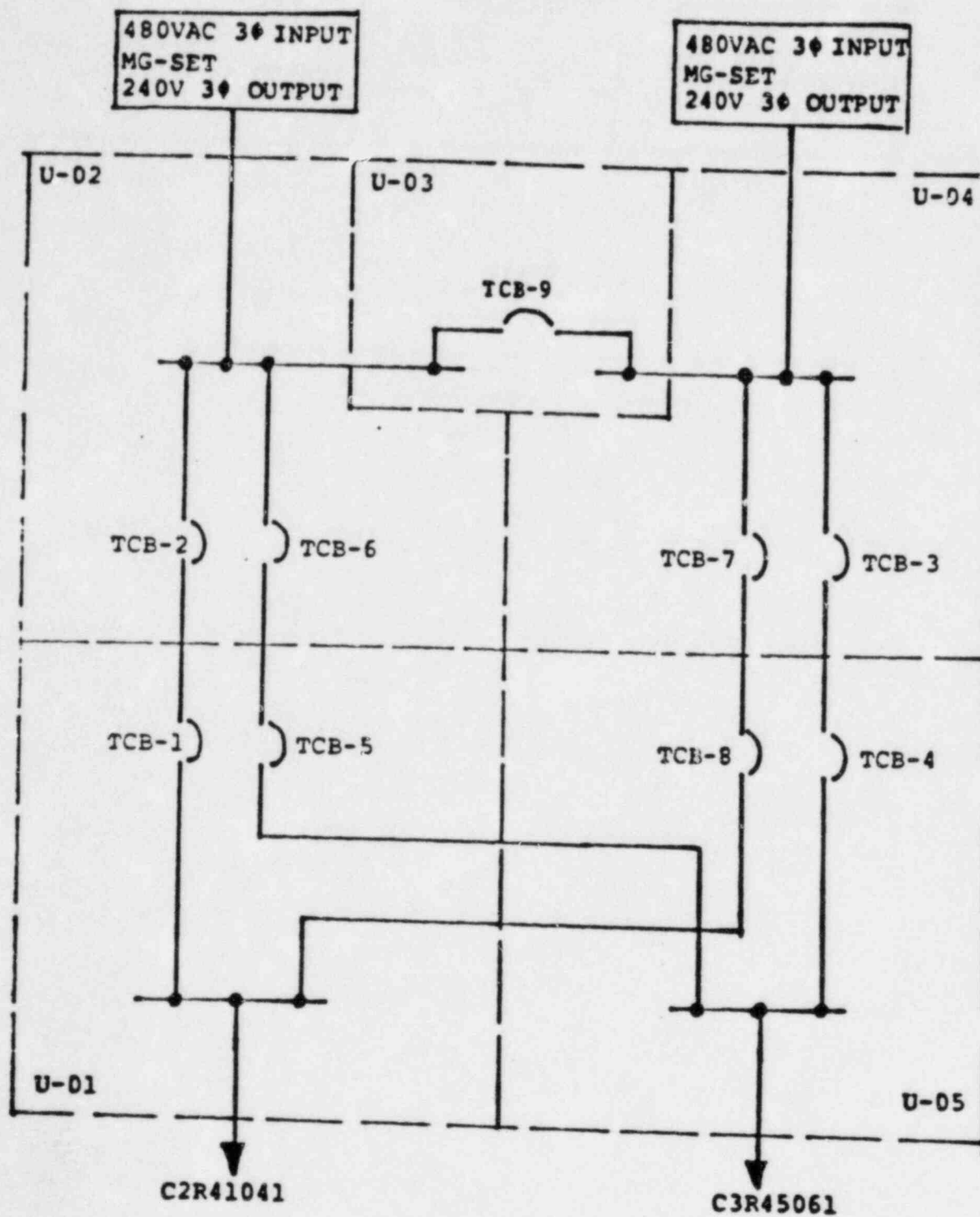


Figure 28 (0152C9206) Undervoltage Tripping Device

TCB ORIENTATION

POWER ISOLATION TABLE

POWER SOURCE	DC DIST. SW. NO.	TERM. BD. NO.	CABINET (LOAD)	BREAKER NO.
125VDC Source #1	2D1P103	OTB03-11(P) OTB03-12(N)	U01 2L033	TCB-1 TCB-5
125VDC Source #2	2D2P103	OTB12-11(P) OTB12-12(N)	U02 2L033	TCB-2 TCB-6 TCB-9
125VDC Source #3	2D3P101	OTB24-11(P) OTB24-12(N)	U04 2L033	TCB-3 RCB-7
125VDC Source #4	2D4P101	OTB33-11(P) OTB33-12(N)	U05 2L033	TCB-4 TCB-8
480VAC Source to MG 2B1509	-	-	2L045	MG-
480VAC Source to MG 2B1606	-	-	2L046	MG-

Note: This table is for a guide only. Check the latest wiring diagram before using.

MAINTENANCE DATA RECORD FORM

EQUIPMENT AND PROCEDURE IDENTIFICATION				
Equipment Description:		S/U System Designator:		
		Equip. Tag No:		
Procedure Title: Under-Voltage Tripping Device of the GE AK-2-25 Circuit Break- ers in the Reactor Trip Switchgear Procedure No: MPES008 Rev.		Quality Class:		
		SWP No:		
		Clearance No:		
		Unit No:		
Control Number:				
TEST EQUIPMENT/SPECIAL TOOLS				
DESCRIPTION	COMPONENT ID	RECALL DATE	RANGE	SETPOINT
3.0 Prerequisites Verified			INITIAL	DATE
(Log exceptions in Remarks)				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE	MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Initial Trip Test						
6.1.1	Breaker in Operate Closed	Green _____ Red _____				
6.1.2	D.C. Control Power On:					
	2D1P103 Closed	2D1P103 _____				
	2D2P103 Closed	2D2P103 _____				
	2D3P101 Closed	2D3P101 _____				
	2D4P101 Closed	2D4P101 _____				
6.1.3	2B1509 Open	2B1509 _____				
6.1.4	2B1606 Open	2B1606 _____				
6.1.5	Open 2D1P103 TCB - 1	2D1P103 _____ Green _____ Red _____				
	TCB - 5	Green _____ Red _____				
6.1.6	Close 2D1P103 TCB - 1	2D1P103 _____ Green _____ Red _____				
	TCB - 5	Green _____ Red _____				
6.1.7	Open 2D2P103 TCB - 2	2D2P103 _____ Green _____ Red _____				
	TCB - 6	Green _____ Red _____				
	TCB - 9	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE	MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Initial Trip Test						
6.1.8	Close 2D2P103	2D2P103 _____				
	TOB - 2	Green _____				
		Red _____				
	TOB - 6	Green _____				
		Red _____				
	TOB - 9	Green _____				
		Red _____				
6.1.9	Open 2D3P101	2D3P101 _____				
	TOB - 3	Green _____				
		Red _____				
	TOB - 7	Green _____				
		Red _____				
6.1.10	Close 2D3P101	2D3P101 _____				
	TOB - 3	Green _____				
		Red _____				
	TOB - 7	Green _____				
		Red _____				
6.1.11	Open 2D4P101	2D4P101 _____				
	TOB - 4	Green _____				
		Red _____				
	TOB - 8	Green _____				
		Red _____				
6.1.12	Close 2D4P101	2D4P101 _____				
	TOB - 4	Green _____				
		Red _____				
	TOB - 8	Green _____				
		Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Armature Clearance Test					
TCB - 1					
6.2.1 Trip TCB - 1	TCB - 1 _____				
6.2.2 TCB - 1 to Test	TCB - 1 _____				
6.2.3 Open 2D1P103	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				
TCB - 2					
6.2.1 Trip TCB - 2	TCB - 2 _____				
6.2.2 TCB - 2 to Test	TCB - 2 _____				
6.2.3 Open 2D2P103	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				
TCB - 3					
6.2.1 Trip TCB - 3	TCB - 3 _____				
6.2.2 TCB - 3 to Test	TCB - 3 _____				
6.2.3 Open 2D3P101	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____ Red _____				
TCB - 4					
6.2.1 Trip TCB - 4	TCB - 4 _____				
6.2.2 TCB - 4 to Test	TCB - 4 _____				
6.2.3 Open 2D4P101	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				
TCB - 5					
6.2.1 Trip TCB - 5	TCB - 5 _____				
6.2.2 TCB - 5 to Test	TCB - 5 _____				
6.2.3 Open 2D1P103	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Armature Clearance Test					
TOB - 6					
6.2.1 Trip TOB - 6	TOB - 6 _____				
6.2.2 TOB - 6 to Test	TOB - 6 _____				
6.2.3 Open 2D2P103	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				
TOB - 7					
6.2.1 Trip TOB - 7	TOB - 7 _____				
6.2.2 TOB - 7 to Test	TOB - 7 _____				
6.2.3 Open 2D3P101	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				
TOB - 8					
6.2.1 Trip TOB - 8	TOB - 8 _____				
6.2.2 TOB - 8 to Test	TOB - 8 _____				
6.2.3 Open 2D4P101	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				
TOB - 9					
6.2.1 Trip TOB - 9	TOB - 9 _____				
6.2.2 TOB - 9 to Test	TOB - 9 _____				
6.2.3 Open 2D2P103	Green _____ Red _____				
6.2.5 Armature Clearance	Sat _____ #Unsat _____				
Instantaneous U.V. Pickup Setting					
TOB - 1					
6.3.1 Trip TOB - 1	TOB - 1 _____				
6.3.2 TOB - 1 to Test	TOB - 1 _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Instantaneous U.V. Pickup Setting					
6.3.3 Open 2D1P103	Green _____ Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TCB - 1 To Operate	TCB - 1 _____				
6.3.11 Close 2D1P103	Green _____ Red _____				
TCB - 2					
6.3.1 Trip TCB - 2	TCB - 2 _____				
6.3.2 TCB - 2 To Test	TCB - 2 _____				
6.3.3 Open 2D2P103	Green _____ Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TCB - 2 To Operate	TCB - 2 _____				
6.3.11 Close 2D2P103	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Instantaneous U.V. Pickup Setting					
TOB - 3					
6.3.1 Trip TOB - 3	TOB - 3 _____				
6.3.2 TOB - 3 To Test	TOB - 3 _____				
6.3.3 Open 2D3P101	Green _____				
	Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TOB - 3 To Operate	TOB - 3 _____				
6.3.11 Close 2D3P101	Green _____				
	Red _____				
TOB - 4					
6.3.1 Trip TOB - 4	TOB - 4 _____				
6.3.2 TOB - 4 To Test	TOB - 4 _____				
6.3.3 Open 2D4P101	Green _____				
	Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TOB - 4 To Operate	TOB - 4 _____				
6.3.11 Close 2D4P101	Green _____				
	Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Instantaneous U.V. Pickup Setting					
TOB - 5					
6.3.1 Trip TOB - 5	TOB - 5 _____				
6.3.2 TOB - 5 To Test	TOB - 5 _____				
6.3.3 Open 2D1P103	Green _____ Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TOB - 5 To Operate	TOB - 5 _____				
6.3.11 Close 2D1P103	Green _____ Red _____				
TOB - 6					
6.3.1 Trip TOB - 6	TOB - 6 _____				
6.3.2 TOB - 6 To Test	TOB - 6 _____				
6.3.3 Open 2D2P103	Green _____ Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TOB - 6 To Operate	TOB - 6 _____				
6.3.11 Close 2D2P103	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Instantaneous U.V. Pickup Setting					
TOB - 7					
6.3.1 Trip TOB - 7	TOB - 7 _____				
6.3.2 TOB - 7 To Test	TOB - 7 _____				
6.3.3 Open 2D3P101	Green _____ Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TOB - 7 To Operate	TOB - 7 _____				
6.3.11 Close 2D3P101	Green _____ Red _____				
TOB - 8					
6.3.1 Trip TOB - 8	TOB - 8 _____				
6.3.2 TOB - 8 To Test	TOB - 8 _____				
6.3.3 Open 2D4P101	Green _____ Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No. _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TOB - 8 To Operate	TOB - 8 _____				
6.3.11 Close 2D4P101	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Instantaneous U.V. Pickup Setting					
TCB - 9					
6.3.1 Trip TCB - 9	TCB - 9 _____				
6.3.2 TCB - 9 To Test	TCB - 9 _____				
6.3.3 Open 2D2P103	Green _____ Red _____				
6.3.4 Power Supply Connected	Yes _____ No _____				
6.3.5 Locking Wire Removed	Yes _____ No _____				
6.3.6 Power Supply Set	_____ DCV				
6.3.7 Pickup Set	_____ DCV				
6.3.8 Locking Wire Re- installed	Yes _____ No _____				
6.3.9 Power Supply Removed	Yes _____ No _____				
6.3.10 TCB - 9 To Operate	TCB - 9 _____				
6.3.11 Close 2D2P103	Green _____ Red _____				
Positive Trip Check					
TCB - 1					
6.4.1 TCB - 1 to Safety Stop	TCB - 1 _____				
6.4.2 Open 2D1P103	Green _____ Red _____				
6.4.3 Close TCB - 1	TCB - 1 _____				
6.4.5 TCB - 1 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				
TCB - 2					
6.4.1 TCB - 2 to Safety Stop	TCB - 2 _____				
6.4.2 Open 2D2P103	Green _____ Red _____				
6.4.3 Close TCB - 2	TCB - 2 _____				
6.4.5 TCB - 2 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				

MPES008
Exhibit F
Page 63 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Positive Trip Check					
TCB - 3					
6.4.1 TCB - 3 to Safety Stop	TCB - 3 _____				
6.4.2 Open 2D3P101	Green _____				
	Red _____				
6.4.3 Close TCB - 3	TCB - 3 _____				
6.4.5 TCB - 3 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				
TCB - 4					
6.4.1 TCB - 4 to Safety Stop	TCB - 4 _____				
6.4.2 Open 2D4P101	Green _____				
	Red _____				
6.4.3 Close TCB - 4	TCB - 4 _____				
6.4.5 TCB - 4 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				
TCB - 5					
6.4.1 TCB - 5 to Safety Stop	TCB - 5 _____				
6.4.2 Open 2D1P103	Green _____				
	Red _____				
6.4.3 Close TCB - 5	TCB - 5 _____				
6.4.5 TCB - 5 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				
TCB - 6					
6.4.1 TCB - 6 to Safety Stop	TCB - 6 _____				
6.4.2 Open 2D2P103	Green _____				
	Red _____				
6.4.3 Close TCB - 6	TCB - 6 _____				
6.4.5 TCB - 6 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				

NPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Positive Trip Check					
TCB - 7					
6.4.1 TCB - 7 to Safety Stop	TCB - 7 _____				
6.4.2 Open 2D3P101	Green _____				
	Red _____				
6.4.3 Close TCB - 7	TCB - 7 _____				
6.4.5 TCB - 7 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				
TCB - 8					
6.4.1 TCB - 8 to Safety Stop	TCB - 8 _____				
6.4.2 Open 2D4P101	Green _____				
	Red _____				
6.4.3 Close TCB - 8	TCB - 8 _____				
6.4.5 TCB - 8 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				
TCB - 9					
6.4.1 TCB - 9 to Safety Stop	TCB - 9 _____				
6.4.2 Open 2D2P103	Green _____				
	Red _____				
6.4.3 Close TCB - 9	TCB - 9 _____				
6.4.5 TCB - 9 Trip	_____ Inches				
6.4.6 Adjusted Trip	_____ Inches				
Trip Torque Verification & Cleaning					
TCB - 1					
6.5.1.1 Trip TCB - 1	TCB - 1 _____				
6.5.1.2 TCB - 1 To Test	TCB - 1 _____				
6.5.1.3 Open 2D1P103	Green _____				
	Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Torque Verification & Cleaning					
6.5.1.5 Close TOB - 1	TOB - 1 _____				
6.5.1.6 Breaker Trip (Maximum 1.5 in-lbs)	_____ in-lbs Sat _____ #Unsat _____				
6.5.2.1 TOB - 1 to Safety Stop	TOB - 1 _____				
6.5.2.2 Trip-Shaft Bearing	Sat _____ #Unsat _____				
TOB - 2					
6.5.1.1 Trip TOB - 2	TOB - 2 _____				
6.5.1.2 TOB - 2 To Test	TOB - 2 _____				
6.5.1.3 Open 2D2P103	Green _____ Red _____				
6.5.1.5 Close TOB - 2	TOB - 2 _____				
6.5.1.6 Breaker Trip (Maximum 1.5 in-lbs)	_____ in-lbs Sat _____ #Unsat _____				
6.5.2.1 TOB - 2 to Safety Stop	TOB - 2 _____				
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____				
TOB - 3					
6.5.1.1 Trip TOB - 3	TOB - 3 _____				
6.5.1.2 TOB - 3 To Test	TOB - 3 _____				
6.5.1.3 Open 2D3P101	Green _____ Red _____				
6.5.1.5 Close TOB - 3	TOB - 3 _____				
6.5.1.6 Breaker Trip (Maximum 1.5 in-lbs)	_____ in-lbs Sat _____ #Unsat _____				
6.5.2.1 TOB - 3 to Safety Stop	TOB - 3 _____				
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Torque Verification & Cleaning					
TCB - 4					
6.5.1.1 Trip TCB - 4	TCB - 4 _____				
6.5.1.2 TCB - 4 To Test	TCB - 4 _____				
6.5.1.3 Open 2D4P101	Green _____				
	Red _____				
6.5.1.5 Close TCB - 4	TCB - 4 _____				
6.5.1.6 Breaker Trip	_____ in-lbs				
(Maximum 1.5 in-lbs)	Sat _____ #Unsat _____				
6.5.2.1 TCB - 4 to Safety Stop	TCB - 4 _____				
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____				
TCB - 5					
6.5.1.1 Trip TCB - 5	TCB - 5 _____				
6.5.1.2 TCB - 5 To Test	TCB - 5 _____				
6.5.1.3 Open 2D1P103	Green _____				
	Red _____				
6.5.1.5 Close TCB - 5	TCB - 5 _____				
6.5.1.6 Breaker Trip	_____ in-lbs				
(Maximum 1.5 in-lbs)	Sat _____ #Unsat _____				
6.5.2.1 TCB - 5 to Safety Stop	TCB - 5 _____				
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____				
TCB - 6					
6.5.1.1 Trip TCB - 6	TCB - 6 _____				
6.5.1.2 TCB - 6 To Test	TCB - 6 _____				
6.5.1.3 Open 2D2P103	Green _____				
	Red _____				
6.5.1.5 Close TCB - 6	TCB - 6 _____				
6.5.1.6 Breaker Trip	_____ in-lbs				
(Maximum 1.5 in-lbs)	Sat _____ #Unsat _____				
6.5.2.1 TCB - 6 to Safety Stop	TCB - 6 _____				
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE		
Trip Torque Verification & Cleaning							
TCB - 7							
6.5.1.1 Trip TCB - 7	TCB - 7 _____						
6.5.1.2 TCB - 7 To Test	TCB - 7 _____						
6.5.1.3 Open 2D3P101	Green _____						
	Red _____						
6.5.1.5 Close TCB - 7	TCB - 7 _____						
6.5.1.6 Breaker Trip (Maximum 1.5 in-lbs)	_____ in-lbs Sat _____ #Unsat _____						
6.5.2.1 TCB - 7 to Safety Stop	TCB - 7 _____						
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____						
TCB - 8							
6.5.1.1 Trip TCB - 8	TCB - 8 _____						
6.5.1.2 TCB - 8 To Test	TCB - 8 _____						
6.5.1.3 Open 2D4P101	Green _____						
	Red _____						
6.5.1.5 Close TCB - 8	TCB - 8 _____						
6.5.1.6 Breaker Trip (Maximum 1.5 in-lbs)	_____ in-lbs Sat _____ #Unsat _____						
6.5.2.1 TCB - 8 to Safety Stop	TCB - 8 _____						
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____						
TCB - 9							
6.5.1.1 Trip TCB - 9	TCB - 9 _____						
6.5.1.2 TCB - 9 To Test	TCB - 9 _____						
6.5.1.3 Open 2D2P103	Green _____						
	Red _____						
6.5.1.5 Close TCB - 9	TCB - 9 _____						
6.5.1.6 Breaker Trip (Maximum 1.5 in-lbs)	_____ in-lbs Sat _____ #Unsat _____						
6.5.2.1 TCB - 9 to Safety Stop	TCB - 9 _____						
6.5.2.3 Trip-Shaft Bearing	Sat _____ #Unsat _____						

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
TCB - 1 Preparation							
6.6.1.1.1 Open 2B1509 and 2B1606		2B1509 _____ 2B1606 _____					
6.6.1.1.2 TCB -1 in Operate Position and in Tripped Mode		Green _____ Red _____					
6.6.1.1.3 Open 2D1P103		Green _____ Red _____					
6.6.1.1.4 Test Jumper Installed Between OTB1-9 & OTB1-10		Yes _____ No _____					
6.6.1.1.5 Remove Green Wire From OTB1-4		Yes _____ No _____					
6.6.1.1.6 Test Switch Installed Between OTB1-1 & OTB1-2		Yes _____ No _____					
6.6.1.1.7 Close 2D1P103		Green _____ Red _____					
6.6.1.1.8 Close TCB - 1		Green _____ Red _____					
6.6.1.1.9 TCB - 1 Closed		Yes _____ No _____					
6.6.1.1.10 Auxiliary Switch Contacts 3-3c		OTB4-2 _____ OTB4-3 _____					
6.6.1.1.11 Auxiliary Switch Contacts 10-10c		OTB5-1 _____ OTB5-2 _____					
6.6.1.1.12 Auxiliary Switch Contacts 6-6c		OTB5-7 _____ OTB5-8 _____					
6.6.1.1.13 Auxiliary Switch Contacts 7-7c		OTB5-9 _____ OTB5-10 _____					
6.6.1.1.14 Auxiliary Switch Contacts 8-8c		OTB5-11 _____ OTB5-12 _____					
6.6.1.1.15 Auxiliary Switch Contacts 5-5c		OTB4-7 _____ OTB4-8 _____					

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

5.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE		
Trip Latch Check and Adjustment							
6.6.1.1.16 Auxiliary Switch	OTB4-1						
Contacts 4-4c	OTB4-3						
6.6.1.1.17 Auxiliary Switch	OTB5-3						
Contacts 9-9c	OTB5-4						
TCB - 1 Trip Test #1							
6.6.1.2.1 Trip TCB - 1	Green _____ Red _____						
6.6.1.2.2 Auxiliary Switch	OTB4-2						
Contacts 3-3c	OTB4-3						
6.6.1.2.3 Auxiliary Switch	OTB5-1						
Contacts 10-10c	OTB5-2						
6.6.1.2.4 Auxiliary Switch	OTB5-7						
Contacts 6-6c	OTB5-8						
6.6.1.2.5 Auxiliary Switch	OTB5-9						
Contacts 7-7c	OTB5-10						
6.6.1.2.6 Auxiliary Switch	OTB5-11						
Contacts 8-8c	OTB5-12						
6.6.1.2.7 Auxiliary Switch	OTB4-7						
Contacts 5-5c	OTB4-8						
6.6.1.2.8 Auxiliary Switch	OTB4-1						
Contacts 4-4c	OTB4-3						
6.6.1.2.9 Auxiliary Switch	OTB5-3						
Contacts 9-9c	OTB5-4						
6.6.1.2.10 Close TCB - 1	Green _____ Red _____						
6.6.1.2.11 TCB - 1 Will Not Rackout	Yes _____ No _____						
TCB - 1 Trip Test #2							
6.6.1.3.1 Jumper Between OTB1-9 & OTB1-10 Removed	Yes _____ No _____						
6.6.1.3.2 TCB - 1 Open	Green _____ Red _____						

MPES008
Exhibit F
Page 70 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.1.3.3 Jumper Between OTB1-9 & OTB1-10 Connected	Yes _____ No _____				
6.6.1.3.4 Close TCB - 1	Green _____ Red _____				
TCB - 1 Trip Test #3					
6.6.1.4.1 Jumper Between OTB2-3 & OTB2-4	Yes _____ No _____				
6.6.1.4.2 TCB - 1 Open	Green _____ Red _____				
6.6.1.4.3 Jumper Between OTB2-3 & OTB2-4 Removed	Yes _____ No _____				
6.6.1.4.4 Close TCB - 1	Green _____ Red _____				
TCB - 1 Trip Test #4					
6.6.1.5.1 Jumper Between OTB1-3 & OTB1-4	Yes _____ No _____				
6.6.1.5.2 TCB - 1 Open	Green _____ Red _____				
6.6.1.5.3 Jumper Between OTB1-3 & OTB1-4 Removed	Yes _____ No _____				
6.6.1.5.4 Close TCB - 1	Green _____ Red _____				
TCB - 1 Trip Test #5					
6.6.1.6.2 TCB - 1 Open	Green _____ Red _____				
TCB - 1 Trip Test #6					
6.6.1.7.1 TCB - 1 in Test	TCB - 1 _____				
6.6.1.7.2 Close TCB - 1	Green _____ Red _____				
6.6.1.7.3 Trip TCB - 1	Green _____ Red _____				

MPES008
Exhibit F
Page 71 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/OC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.1.7.4 Close TCB - 1	Green _____ Red _____				
6.6.1.7.5 TCB - 1 Will Not Rack In	Yes _____ No _____				
6.6.1.7.7 Trip TCB - 1	Green _____ Red _____				
6.6.1.7.8 Open 2D1P103	Green _____				
6.6.1.7.9 Jumper Between OTB1-9 & OTB1-10 Removed	Yes _____ No _____				
6.6.1.7.10 Connected Green Wire to OTB1-4	Yes _____ No _____				
6.6.1.7.11 Switch Between OTB1-1 & OTB1-2 Removed	Yes _____ No _____				
6.6.1.7.13 TCB-1 to Operate	TCB - 1 _____				
TCB - 2 Preparation					
6.6.2.1.1 Open 2B1509 and 2B1606	2B1509 _____ 2B1606 _____				
6.6.2.1.2 TCB - 2 in Operate Position and in Tripped Mode	Green _____ Red _____				
6.6.2.1.3 Open 2D2P103	Green _____ Red _____				
6.6.2.1.4 Test Jumper Installed Between OTB10-9 & OTB10-10	Yes _____ No _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

5.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.2.1.5 Green Wire Removed from OTB10-4	Yes _____ No _____				
6.6.2.1.6 Test Switch Installed Between OTB10-1 & OTB10-2	Yes _____ No _____				
6.6.2.1.7 Close 2D2P103	Green _____ Red _____				
6.6.2.1.8 Close TCB - 2	Green _____ Red _____				
6.6.2.1.9 TCB - 2 Closed	Yes _____ No _____				
6.6.2.1.10 Auxiliary Switch Contacts 3-3c	OTB13-2 _____ OTB13-3 _____				
6.6.2.1.11 Auxiliary Switch Contacts 10-10c	OTB14-1 _____ OTB14-2 _____				
6.6.2.1.12 Auxiliary Switch Contacts 6-6c	OTB14-7 _____ OTB14-8 _____				
6.6.2.1.13 Auxiliary Switch Contacts 7-7c	OTB14-9 _____ OTB14-10 _____				
6.6.2.1.14 Auxiliary Switch Contacts 8-8c	OTB14-11 _____ OTB14-12 _____				
6.6.2.1.15 Auxiliary Switch Contacts 5-5c	OTB13-7 _____ OTB13-8 _____				
6.6.2.1.16 Auxiliary Switch Contacts 4-4c	OTB13-1 _____ OTB13-3 _____				
6.6.2.1.17 Auxiliary Switch Contacts 9-9c	OTB14-3 _____ OTB14-4 _____				
TCB - 2 Trip Test #1					
6.6.2.2.1 Trip TCB - 2	Green _____ Red _____				
6.6.2.2.2 Auxiliary Switch Contacts 3-3c	OTB13-2 _____ OTB13-3 _____				
6.6.2.2.3 Auxiliary Switch Contacts 10-10c	OTB14-1 _____ OTB14-2 _____				
6.6.2.2.4 Auxiliary Switch Contacts 6-6c	OTB14-7 _____ OTB14-8 _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE	MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment						
6.6.2.2.5	Auxiliary Switch	OTB14-9 _____				
	Contacts 7-7c	OTB14-10 _____				
6.6.2.2.6	Auxiliary Switch	OTB14-11 _____				
	Contacts 8-8c	OTB14-12 _____				
6.6.2.2.7	Auxiliary Switch	OTB13-7 _____				
	Contacts 5-5c	OTB13-8 _____				
6.6.2.2.8	Auxiliary Switch	OTB13-1 _____				
	Contacts 4-4c	OTB13-3 _____				
6.6.2.2.9	Auxiliary Switch	OTB14-3 _____				
	Contacts 9-9c	OTB14-4 _____				
6.6.2.2.10	Close TCB - 2	Green _____				
		Red _____				
6.6.2.2.11	TCB - 2 Will Not Rackout	Yes _____ No _____				
TCB - 2 Trip Test #2						
6.6.2.3.1	Jumper Between OTB10-9 & OTB10-10 Removed	Yes _____ No _____				
6.6.2.3.2	TCB - 2 Open	Green _____				
		Red _____				
6.6.2.3.3	Jumper Between OTB10-9 & OTB10-10 Connected	Yes _____ No _____				
6.6.2.3.4	Close TCB - 2	Green _____				
		Red _____				
TCB - 2 Trip Test #3						
6.6.2.4.1	Jumper Between OTB11-3 & OTB11-4	Yes _____ No _____				
6.6.2.4.2	TCB - 2 Open	Green _____				
		Red _____				
6.6.2.4.3	Jumper Between OTB11-3 & OTB11-4 Removed	Yes _____ No _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
6.6.2.4.4 Close TCB - 2		Green _____ Red _____					
TCB - 2 Trip Test #4							
6.6.2.5.1 Jumper Between OTB10-3 & OTB10-4		Yes _____ No _____					
6.6.2.5.2 TCB - 2 Open		Green _____ Red _____					
6.6.2.5.3 Jumper Between OTB10-3 & OTB10-4 Removed		Yes _____ No _____					
6.6.2.5.4 Close TCB - 2		Green _____ Red _____					
TCB - 2 Trip Test #5							
6.6.2.6.2 TCB - 2 Open		Green _____ Red _____					
TCB - 2 Trip Test #6							
6.6.2.7.1 TCB - 2 In Test		TCB - 2 _____					
6.6.2.7.2 Close TCB - 2		Green _____ Red _____					
6.6.2.7.3 Trip TCB - 2		Green _____ Red _____					
6.6.2.7.4 Close TCB - 2		Green _____ Red _____					
6.6.2.7.5 TCB - 2 Will Not Rack In		Yes _____ No _____					
6.6.2.7.7 Trip TCB - 2		Green _____ Red _____					
6.6.2.7.8 Open 2D2P103		Green _____					
6.6.2.7.9 Jumper Between OTB10-9 & OTB10-10 Removed		Yes _____ No _____					
6.6.2.7.10 Green Wire Re-installed on OTB10-4		Yes _____ No _____					

MPES008
Exhibit F
Page 75 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.2.7.11 Switch Between OTB10-1 & OTB10-2 Removed	Yes _____ No _____				
6.6.2.7.13 TCB - 2 To Operate					
TCB - 3 Preparation					
6.6.3.1.1 Open 2B1509 and 2B1606	2B1509 _____ 2B1606 _____				
6.6.3.1.2 TCB - 3 In Operate Position and in Tripped Mode	Green _____ Red _____				
6.6.3.1.3 Open 2D3P101	Green _____ Red _____				
6.6.3.1.4 Test Jumper Installed Between OTB22-9 & OTB22-10	Yes _____ No _____				
6.6.3.1.5 Green Wire Removed from OTB22-4	Yes _____ No _____				
6.6.3.1.6 Test Switch Installed Between OTB22-1 & OTB22-2	Yes _____ No _____				
6.6.3.1.7 Close 2D3P101	Green _____ Red _____				
6.6.3.1.8 Close TCB - 3	Green _____ Red _____				
6.6.3.1.9 TCB - 3 Closed	Yes _____ No _____				
6.6.3.1.10 Auxiliary Switch Contacts 3-3c	OTB25-2 _____ OTB25-3 _____				
6.6.3.1.11 Auxiliary Switch Contacts 10-10c	OTB26-1 _____ OTB26-2 _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.3.1.12 Auxiliary Switch	OTB26-7 _____				
Contacts 6-6c	OTB26-8 _____				
6.6.3.1.13 Auxiliary Switch	OTB26-9 _____				
Contacts 7-7c	OTB26-10 _____				
6.6.3.1.14 Auxiliary Switch	OTB26-11 _____				
Contacts 8-8c	OTB26-12 _____				
6.6.3.1.15 Auxiliary Switch	OTB25-7 _____				
Contacts 5-5c	OTB25-8 _____				
6.6.3.1.16 Auxiliary Switch	OTB25-1 _____				
Contacts 4-4c	OTB25-3 _____				
6.6.3.1.17 Auxiliary Switch	OTB26-3 _____				
Contacts 9-9c	OTB26-4 _____				
TCB - 3 Trip Test #1					
6.6.3.2.1 Trip TCB - 3	Green _____				
	Red _____				
6.6.3.2.2 Auxiliary Switch	OTB25-2 _____				
Contacts 3-3c	OTB25-3 _____				
6.6.3.2.3 Auxiliary Switch	OTB26-1 _____				
Contacts 10-10c	OTB26-2 _____				
6.6.3.2.4 Auxiliary Switch	OTB26-7 _____				
Contacts 6-6c	OTB26-8 _____				
6.6.3.2.5 Auxiliary Switch	OTB26-9 _____				
Contacts 7-7c	OTB26-10 _____				
6.6.3.2.6 Auxiliary Switch	OTB26-11 _____				
Contacts 8-8c	OTB26-12 _____				
6.6.3.2.7 Auxiliary Switch	OTB25-7 _____				
Contacts 5-5c	OTB25-8 _____				
6.6.3.2.8 Auxiliary Switch	OTB25-1 _____				
Contacts 4-4c	OTB25-3 _____				
6.6.3.2.9 Auxiliary Switch	OTB26-3 _____				
Contacts 9-9c	OTB26-4 _____				
6.6.3.2.10 Close TCB - 3	Green _____				
	Red _____				
6.6.3.2.11 TCB - 3 Will Not Rackout	Yes _____ No _____				

MPES008
Exhibit F
Page 77 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
TOB-3 Trip Test #2					
6.6.3.3.1 Jumper Between OTB22-9 & OTB22-10 Removed	Yes _____ No _____				
6.6.3.3.2 TOB - 3 Open	Green _____ Red _____				
6.6.3.3.3 Jumper Between OTB22-9 & OTB22-10 Connected	Yes _____ No _____				
6.6.3.3.4 Close TOB - 3	Green _____ Red _____				
TOB - 3 Trip Test #3					
6.6.3.4.1 Jumper Between OTB23-3 & OTB23-4	Yes _____ No _____				
6.6.3.4.2 TOB - 3 Open	Green _____ Red _____				
6.6.3.4.3 Jumper Between OTB23-3 & OTB23-4 Removed	Yes _____ No _____				
6.6.3.4.4 Close TOB - 3	Green _____ Red _____				
TOB - 3 Trip Test #4					
6.6.3.5.1 Jumper Between OTB22-3 & OTB22-4	Yes _____ No _____				
6.6.3.5.2 TOB - 3 Open	Green _____ Red _____				
6.6.3.5.3 Jumper Between OTB22-3 & OTB22-4 Removed	Yes _____ No _____				
6.6.3.5.4 Close TOB - 3	Green _____ Red _____				

MPES008
Exhibit F
Page 78 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE	MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment						
TCB-3 Trip Test #5						
6.6.3.6.2 TCB - 3 Open		Green _____ Red _____				
TCB - 3 Trip Test #6						
6.6.3.7.1 TCB - 3 In Test		TCB - 3 _____				
6.6.3.7.2 Close TCB - 3		Green _____ Red _____				
6.6.3.7.3 Trip TCB - 3		Green _____ Red _____				
6.6.3.7.4 Close TCB - 3		Green _____ Red _____				
6.6.3.7.5 TCB - 3 Will Not Rack In		Yes _____ No _____				
6.6.3.7.7 Trip TCB - 3		Green _____ Red _____				
6.6.3.7.8 Open 2D3P101		Green _____				
6.6.3.7.9 Jumper Between OTB22-9 & OTB22-10 Removed		Yes _____ No _____				
6.6.3.7.10 Green Wire Re-installed on OTB22-4		Yes _____ No _____				
6.6.3.7.11 Switch Between OTB22-1 & OTB22-2 Removed		Yes _____ No _____				
6.6.3.7.13 TCB-3 to Operate		TCB - 3 _____				
TCB - 4 Preparation						
6.6.4.1.1 Open 2B1509 and 2B1606		2B1509 _____ 2B1606 _____				
6.6.4.1.2 TCB -4 In Operate Position & in Tripped Mode		Green _____ Red _____				
6.6.4.1.3 Open 2D4P101		Green _____ Red _____				

MPES008
Exhibit F
Page 79 of 103
Rev. 1
SONGS 2 & 3

MPES00P, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
6.6.4.1.4	Test Jumper Installed Between OTB31-9 & OTB31-10	Yes _____	No _____				
6.6.4.1.5	Green Wire Removed from OTB31-4	Yes _____	No _____				
6.6.4.1.6	Test Switch Installed Between OTB31-1 & OTB31-2	Yes _____	No _____				
6.6.4.1.7	Close 2D4P101	Green _____					
		Red _____					
6.6.4.1.8	Close TOB - 4	Green _____					
		Red _____					
6.6.4.1.9	TOB - 4 Closed	Yes _____	No _____				
6.6.4.1.10	Auxiliary Switch Contacts 3-3c	OTB34-2 _____					
		OTB34-3 _____					
6.6.4.1.11	Auxiliary Switch Contacts 10-10c	OTB35-1 _____					
		OTB35-2 _____					
6.6.4.1.12	Auxiliary Switch Contacts 6-6c	OTB35-7 _____					
		OTB35-8 _____					
6.6.4.1.13	Auxiliary Switch Contacts 7-7c	OTB35-9 _____					
		OTB35-10 _____					
6.6.4.1.14	Auxiliary Switch Contacts 8-8c	OTB35-11 _____					
		OTB35-12 _____					
6.6.4.1.15	Auxiliary Switch Contacts 5-5c	OTB34-7 _____					
		OTB34-8 _____					
6.6.4.1.16	Auxiliary Switch Contacts 4-4c	OTB34-1 _____					
		OTB34-3 _____					
6.6.4.1.17	Auxiliary Switch Contacts 9-9c	OTB35-3 _____					
		OTB35-4 _____					

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
TCB-4 TRIP TEST #1					
6.6.4.2.1 Trip TCB-4	Green _____ Red _____				
6.6.4.2.2 Auxiliary Switch	OTB34-2 _____				
Contacts 3-3c	OTB34-3 _____				
6.6.4.2.3 Auxiliary Switch	OTB35-1 _____				
Contacts 10-10c	OTB35-2 _____				
6.6.4.2.4 Auxiliary Switch	OTB35-7 _____				
Contacts 6-6c	OTB35-8 _____				
6.6.4.2.5 Auxiliary Switch	OTB35-9 _____				
Contacts 7-7c	OTB35-10 _____				
6.6.4.2.6 Auxiliary Switch	OTB35-11 _____				
Contacts 8-8c	OTB35-12 _____				
6.6.4.2.7 Auxiliary Switch	OTB34-7 _____				
Contacts 5-5c	OTB34-8 _____				
6.6.4.2.8 Auxiliary Switch	OTB34-1 _____				
Contacts 4-4c	OTB34-3 _____				
6.6.4.2.9 Auxiliary Switch	OTB35-3 _____				
Contacts 9-9c	OTB35-4 _____				
6.6.4.2.10 Close TCB-4	Green _____ Red _____				
6.6.4.2.11 TCB-4 Will Not Rackout	Yes _____ No _____				
TCB-4 TEST #2					
6.6.4.3.1 Jumper Between OTB31-9 & OTB31-10 Removed	Yes _____ No _____				
6.6.4.3.2 TCB-4 Open	Green _____ Red _____				
6.6.4.3.3 Jumper Between OTB31-9 & OTB31-10 Connected	Yes _____ No _____				
6.6.4.3.4 Close TCB-4	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
TCB-4 TRIP TEST #3							
6.6.4.4.1	Jumper Between OTB32-3 & OTB32-4	Yes _____	No _____				
6.6.4.4.2	TCB-4 Open	Green _____	Red _____				
6.6.4.4.3	Jumper Between OTB32-3 & OTB32-4	Yes _____	No _____				
6.6.4.4.4	Removed Close TCB-4	Green _____	Red _____				
TCB-4 TRIP TEST #4							
6.6.4.5.1	Jumper Between OTB31-3 & OTB31-4	Yes _____	No _____				
6.6.4.5.2	TCB-4 Open	Green _____	Red _____				
6.6.4.5.3	Jumper Between OTB31-3 & OTB31-4	Yes _____	No _____				
6.6.4.5.4	Removed Close TCB-4	Green _____	Red _____				
TCB-4 TRIP TEST #5							
6.6.4.6.2	TCB-4 Open	Green _____	Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE	MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment						
TCB-4 TRIP TEST #6						
6.6.4.7.1	TCB-4 In-Test	TCB-4 _____				
6.6.4.7.2	Close TCB-4	Green _____				
		Red _____				
6.6.4.7.3	Trip TCB-4	Green _____				
		Red _____				
6.6.4.7.4	Close TCB-4	Green _____				
		Red _____				
6.6.4.7.5	TCB-4 Will Not Rack In	Yes _____ No _____				
6.6.4.7.7	Trip TCB-4	Green _____				
		Red _____				
6.6.4.7.8	Open 2D4P101	Green _____				
6.6.4.7.9	Jumper Between OTB31-9 & OTB31-10 Removed	Yes _____ No _____				
6.6.4.7.10	Green Wire Re-installed on OTB31-4	Yes _____ No _____				
6.6.4.7.11	Switch Between OTB31-1 & OTB31-2 Removed	Yes _____ No _____				
6.6.4.7.13	TCB-4 To Operate	TCB-4 _____				
TCB - 5 PREPARATION						
6.6.5.1.1	Open 2B1509 and 2B1606	2B1509 _____ 2B1606 _____				
6.6.5.1.2	TCB -5 In Operate Position & In Tripped Mode	Green _____ Red _____				
6.6.5.1.3	Open 2D1P103	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
6.6.5.1.4	Test Jumper Installed Between OTB3-9 & OTB3-10	Yes _____	No _____				
6.6.5.1.5	Green Wire Removed from OTB3-4	Yes _____	No _____				
6.6.5.1.6	Test Switch Installed Between OTB3-1 & OTB3-2	Yes _____	No _____				
6.6.5.1.7	Close 2D1P103	Green _____					
		Red _____					
6.6.5.1.8	Close TCB-5	Green _____					
		Red _____					
6.6.5.1.9	TCB-5 Closed	Yes _____	No _____				
6.6.5.1.10	Auxiliary Switch Contacts 3-3c	OTB4-5 _____					
		OTB4-6 _____					
6.6.5.1.11	Auxiliary Switch Contacts 10-10c	OTB8-1 _____					
		OTB8-2 _____					
6.6.5.1.12	Auxiliary Switch Contacts 6-6c	OTB8-7 _____					
		OTB8-8 _____					
6.6.5.1.13	Auxiliary Switch Contacts 7-7c	OTB8-9 _____					
		OTB8-10 _____					
6.6.5.1.14	Auxiliary Switch Contacts 8-8c	OTB8-11 _____					
		OTB8-12 _____					
6.6.5.1.15	Auxiliary Switch Contacts 5-5c	OTB4-9 _____					
		OTB4-10 _____					
6.6.5.1.16	Auxiliary Switch Contacts 4-4c	OTB4-4 _____					
		OTB4-6 _____					
6.6.5.1.17	Auxiliary Switch Contacts 9-9c	OTB8-3 _____					
		OTB8-4 _____					

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
TCB - 5 Trip Test #1					
6.6.5.2.1	Trip TCB - 5	Green _____			
		Red _____			
6.6.5.2.2	Auxiliary Switch	OTB4-5 _____			
	Contacts 3-3c	OTB4-6 _____			
6.6.5.2.3	Auxiliary Switch	OTB8-1 _____			
	Contacts 10-10c	OTB8-2 _____			
6.6.5.2.4	Auxiliary Switch	OTB8-7 _____			
	Contacts 6-6c	OTB8-8 _____			
6.6.5.2.5	Auxiliary Switch	OTB8-9 _____			
	Contacts 7-7c	OTB8-10 _____			
6.6.5.2.6	Auxiliary Switch	OTB8-11 _____			
	Contacts 8-8c	OTB8-12 _____			
6.6.5.2.7	Auxiliary Switch	OTB4-9 _____			
	Contacts 5-5c	OTB4-10 _____			
6.6.5.2.8	Auxiliary Switch	OTB4-4 _____			
	Contacts 4-4c	OTB4-6 _____			
6.6.5.2.9	Auxiliary Switch	OTB8-3 _____			
	Contacts 9-9c	OTB8-4 _____			
6.6.5.2.10	Close TCB - 5	Green _____			
		Red _____			
6.6.5.2.11	TCB - 5 Will Not Rackout	Yes _____ No _____			
TCB - 5 Trip Test #2					
6.6.5.3.1	Jumper Between OTB3-9 & OTB3-10 Removed	Yes _____ No _____			
6.6.5.3.2	TCB - 5 Open	Green _____			
		Red _____			
6.6.5.3.3	Jumper Between OTB3-9 & OTB3-10 Connected	Yes _____ No _____			
6.6.5.3.4	Close TCB - 5	Green _____			
		Red _____			

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
TCB - 5 Trip Test #3					
6.6.5.4.1 Jumper Between OTB2-9 & OTB2-10	Yes _____ No _____				
6.6.5.4.2 TCB - 5 Open	Green _____ Red _____				
6.6.5.4.3 Jumper Between OTB2-9 & OTB2-10 Removed	Yes _____ No _____				
6.6.5.4.4 Close TCB - 5	Green _____ Red _____				
TCB - 5 Trip Test #4					
6.6.5.5.1 Jumper Between OTB3-3 & OTB3-4	Yes _____ No _____				
6.6.5.5.2 TCB - 5 Open	Green _____ Red _____				
6.6.5.5.3 Jumper Between OTB3-3 & OTB3-4 Removed	Yes _____ No _____				
6.6.5.5.4 Close TCB - 5	Green _____ Red _____				
TCB - 5 Trip Test #5					
6.6.5.6.2 TCB - 5 Open	Green _____ Red _____				
TCB - 5 Trip Test #6					
6.6.5.7.1 TCB - 5 In Test	TCB - 5 _____				
6.6.5.7.2 Close TCB - 5	Green _____ Red _____				
6.6.5.7.3 Trip TCB - 5	Green _____ Red _____				
6.6.5.7.4 Close TCB - 5	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
6.6.5.7.5	TCB - 5 Will Not Rack In	Yes _____	No _____				
6.6.5.7.7	Trip TCB - 5	Green _____					
		Red _____					
6.6.5.7.8	Open 2D1P103	Green _____					
6.6.5.7.9	Jumper Between OTB3-9 & OTB3-10	Yes _____	No _____				
	Removed						
6.6.5.7.10	Green Wire Re-installed on OTB3-4	Yes _____	No _____				
6.6.5.7.11	Switch Between OTB3-1 & OTB3-2	Yes _____	No _____				
	Removed						
6.6.5.7.13	TCB-5 to Operate	TCB - 5 _____					
TCB - 6 Preparation							
6.6.6.1.1	Open 2B1509 and 2B1606	2B1509 _____					
		2B1606 _____					
6.6.6.1.2	TCB - 6 In Operate Position & in Tripped Mode	Green _____					
		Red _____					
6.6.6.1.3	Open 2D2P103	Green _____					
		Red _____					
6.6.6.1.4	Test Jumper Installed Between OTB12-9 & OTB12-10	Yes _____	No _____				
6.6.6.1.5	Green Wire Removed from OTB12-4	Yes _____	No _____				
6.6.6.1.6	Test Switch Installed Between OTB12-1 & OTB12-2	Yes _____	No _____				

MPES008
 Exhibit F
 Page 87 of 103
 Rev. 1
 SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.6.1.7 Close 2D2P103	Green _____ Red _____				
6.6.6.1.8 Close TCB - 6	Green _____ Red _____				
6.6.6.1.9 TCB - 6 Closed	Yes _____ No _____				
6.6.6.1.10 Auxiliary Switch	OTB13-5 _____				
Contacts 3-3c	OTB13-6 _____				
6.6.6.1.11 Auxiliary Switch	OTB17-1 _____				
Contacts 10-10c	OTB17-2 _____				
6.6.6.1.12 Auxiliary Switch	OTB17-7 _____				
Contacts 6-6c	OTB17-8 _____				
6.6.6.1.13 Auxiliary Switch	OTB17-9 _____				
Contacts 7-7c	OTB17-10 _____				
6.6.6.1.14 Auxiliary Switch	OTB17-11 _____				
Contacts 8-8c	OTB17-12 _____				
6.6.6.1.15 Auxiliary Switch	OTB13-9 _____				
Contacts 5-5c	OTB13-10 _____				
6.6.6.1.16 Auxiliary Switch	OTB13-4 _____				
Contacts 4-4c	OTB13-6 _____				
6.6.6.1.17 Auxiliary Switch	OTB17-3 _____				
Contacts 9-9c	OTB17-4 _____				
TCB - 6 Trip Test #1					
6.6.6.2.1 Trip TCB - 6	Green _____ Red _____				
6.6.6.2.2 Auxiliary Switch	OTB13-5 _____				
Contacts 3-3c	OTB13-6 _____				
6.6.6.2.3 Auxiliary Switch	OTB17-1 _____				
Contacts 10-10c	OTB17-2 _____				
6.6.6.2.4 Auxiliary Switch	OTB17-7 _____				
Contacts 6-6c	OTB17-8 _____				
6.6.6.2.5 Auxiliary Switch	OTB17-9 _____				
Contacts 7-7c	OTB17-10 _____				
6.6.6.2.6 Auxiliary Switch	OTB17-11 _____				
Contacts 8-8c	OTB17-12 _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
6.6.6.2.7	Auxiliary Switch	OTB13-9	_____				
	Contacts 5-5c	OTB13-10	_____				
6.6.6.2.8	Auxiliary Switch	OTB13-4	_____				
	Contacts 4-4c	OTB13-6	_____				
6.6.6.2.9	Auxiliary Switch	OTB17-3	_____				
	Contacts 9-9c	OTB17-4	_____				
6.6.6.2.10	Close TCB - 6	Green	_____				
		Red	_____				
6.6.6.2.11	TCB - 6 Will Not Rackout	Yes	_____ No _____				
TCB - 6 Trip Test #2							
6.6.6.3.1	Jumper Between OTB12-9 & OTB12-10 Removed	Yes	_____ No _____				
6.6.6.3.2	TCB - 6 Open	Green	_____				
		Red	_____				
6.6.6.3.3	Jumper Between OTB12-9 & OTB12-10 Connected	Yes	_____ No _____				
6.6.6.3.4	Close TCB - 6	Green	_____				
		Red	_____				
TCB - 6 Trip Test #3							
6.6.6.4.1	Jumper Between OTB11-9 & OTB11-10	Yes	_____ No _____				
6.6.6.4.2	TCB - 6 Open	Green	_____				
		Red	_____				
6.6.6.4.3	Jumper Between OTB11-9 & OTB11-10 Removed	Yes	_____ No _____				
6.6.6.4.4	Close TCB - 6	Green	_____				
		Red	_____				

MPES008
 Exhibit F
 Page 89 of 103
 Rev. 1
 SQNGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
TCB - 6 Trip Test #4					
6.6.6.5.1 Jumper Between OTB12-3 & OTB12-4	Yes _____ No _____				
6.6.6.5.2 TCB - 6 Open	Green _____ Red _____				
6.6.6.5.3 Jumper Between OTB12-3 & OTB12-4 Removed	Yes _____ No _____				
6.6.6.5.4 Close TCB - 6	Green _____ Red _____				
TCB - 6 Trip Test #5					
6.6.6.6.2 TCB - 6 Open	Green _____ Red _____				
TCB - 6 Trip Test #6					
6.6.6.7.1 TCB - 6 In Test	TCB - 6 _____				
6.6.6.7.2 Close TCB - 6	Green _____ Red _____				
6.6.6.7.3 Trip TCB - 6	Green _____ Red _____				
6.6.6.7.4 Close TCB - 6	Green _____ Red _____				
6.6.6.7.5 TCB - 6 Will Not Rack In	Yes _____ No _____				
6.6.6.7.7 Trip TCB - 6	Green _____ Red _____				
6.6.6.7.8 Open 2D2P103	Green _____				
6.6.6.7.9 Jumper Between OTB12-9 & OTB12-10 Removed	Yes _____ No _____				
6.6.6.7.10 Green Wire Re-installed on OTB12-4	Yes _____ No _____				

MPES008
Exhibit F
Page 90 of 103
Rev 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.6.7.11 Switch Between OTB12-1 & OTB12-2 Removed	Yes _____ No _____				
6.6.6.7.13 TCB-6 to Operate	TCB - 6 _____				
TCB - 7 Preparation					
6.6.7.1.1 Open 2B1509 and 2B1606	2B1509 _____ 2B1606 _____				
6.6.7.1.2 TCB - 7 in Operate Position & In Tripped Mode	Green _____ Red _____				
6.6.7.1.3 Open 2D3P101	Green _____ Red _____				
6.6.7.1.4 Test Jumper Installed Between OTB24-9 and OTB24-10	Yes _____ No _____				
6.6.7.1.5 Green Wire Removed from OTB24-4	Yes _____ No _____				
6.6.7.1.6 Test Switch Installed Between OTB24-1 and OTB24-2	Yes _____ No _____				
6.6.7.1.7 Close 2D3P101	Green _____ Red _____				
6.6.7.1.8 Close TCB - 7	Green _____ Red _____				
6.6.7.1.9 TCB - 7 Closed	Yes _____ No _____				
6.6.7.1.10 Auxiliary Switch Contacts 3-3c	OTB24-5 _____ OTB25-6 _____				
6.6.7.1.11 Auxiliary Switch Contacts 10-10c	OTB29-1 _____ OTB29-2 _____				

MPES008
Exhibit F
Page 91 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.7.1.12 Auxiliary Switch	OTB29-7 _____				
Contacts 6-6c	OTB29-8 _____				
6.6.7.1.13 Auxiliary Switch	OTB29-9 _____				
Contacts 7-7c	OTB29-10 _____				
6.6.7.1.14 Auxiliary Switch	OTB29-11 _____				
Contacts 8-8c	OTB29-12 _____				
6.6.7.1.15 Auxiliary Switch	OTB25-9 _____				
Contacts 5-5c	OTB25-10 _____				
6.6.7.1.16 Auxiliary Switch	OTB25-4 _____				
Contacts 4-4c	OTB25-6 _____				
6.6.7.1.17 Auxiliary Switch	OTB29-3 _____				
Contacts 9-9c	OTB29-4 _____				
TCB - 7 Trip Test #1					
6.6.7.2.1 Trip TCB - 7	Green _____ Red _____				
6.6.7.2.2 Auxiliary Switch	OTB24-5 _____				
Contacts 3-3c	OTB24-6 _____				
6.6.7.2.3 Auxiliary Switch	OTB29-1 _____				
Contacts 10-10c	OTB29-2 _____				
6.6.7.2.4 Auxiliary Switch	OTB29-7 _____				
Contacts 6-6c	OTB29-8 _____				
6.6.7.2.5 Auxiliary Switch	OTB29-9 _____				
Contacts 7-7c	OTB29-10 _____				
6.6.7.2.6 Auxiliary Switch	OTB29-11 _____				
Contacts 8-8c	OTB29-12 _____				
6.6.7.2.7 Auxiliary Switch	OTB25-9 _____				
Contacts 5-5c	OTB25-10 _____				
6.6.7.2.8 Auxiliary Switch	OTB25-4 _____				
Contacts 4-4c	OTB25-6 _____				
6.6.7.2.9 Auxiliary Switch	OTB29-3 _____				
Contacts 9-9c	OTB29-4 _____				
6.6.7.2.10 Close TCB-7	Green _____ Red _____				
6.6.7.2.11 TCB-7 Will Not Rackout	Yes _____ No _____				

MPES008
Exhibit F
Page 92 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
TCB - 7 Trip Test #2					
6.6.7.3.1 Jumper Between OIB24-9 & OIB24-10 Removed	Yes _____ No _____				
6.6.7.3.2 TCB - 7 Open	Green _____ Red _____				
6.6.7.3.3 Jumper Between OIB24-9 & OIB24-10	Yes _____ No _____				
6.6.7.3.4 Close TCB - 7	Green _____ Red _____				
TCB - 7 Trip Test #3					
6.6.7.4.1 Jumper Between OIB23-9 & OIB23-10	Yes _____ No _____				
6.6.7.4.2 TCB - 7 Open	Green _____ Red _____				
6.6.7.4.3 Jumper Between OIB23-9 & OIB23-10 Removed	Yes _____ No _____				
6.6.7.4.4 Close TCB - 7	Green _____ Red _____				
TCB - 7 Trip Test #4					
6.6.7.5.1 Jumper Between OIB24-3 & OIB24-4	Yes _____ No _____				
6.6.7.5.2 TCB - 7 Open	Green _____ Red _____				
6.6.7.5.3 Jumper Between OIB24-3 and OIB24-4 Removed	Yes _____ No _____				

MPES008
Exhibit F
Page 93 of 103
Rev. 1
SONGS 2 & 3

MPES008, KCV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.7.5.4 Close TCB - 7	Green _____ Red _____				
TCB - 7 Trip Test #5					
6.6.7.6.2 TCB - 7 Open	Green _____ Red _____				
TCB - 7 Trip Test #6					
6.6.7.7.1 TCB - 7 In Test	TCB - 7 _____				
6.6.7.7.2 Close TCB - 7	Green _____ Red _____				
6.6.7.7.3 Trip TCB - 7	Green _____ Red _____				
6.6.7.7.4 Close TCB - 7	Green _____ Red _____				
6.6.7.7.5 TCB - 7 Will Not Rack In	Yes _____ No _____				
6.6.7.7.7 Trip TCB - 7	Green _____ Red _____				
6.6.7.7.8 Open 2D3P101	Green _____				
6.6.7.7.9 Jumper Between OTB24-9 & OTB24-10 Removed	Yes _____ No _____				
6.6.7.7.10 Green Wire Re-Installed on OTB24-4	Yes _____ No _____				
6.6.7.7.11 Switch Between OTB24-1 & OTB24-2 Removed	Yes _____ No _____				
6.6.7.7.13 TCB-7 to Operate	TCB - 7 _____				
TCB - 8 Preparation					
6.6.8.1.1 Open 2B1509 and 2B1606	2B1509 _____ 2B1606 _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
6.6.8.1.2	TCB - 8 In Operate Position & in Tripped Mode	Green _____					
		Red _____					
6.6.8.1.3	Open 2D4P101	Green _____					
		Red _____					
6.6.8.1.4	Test Jumper Installed Between OTB33-9 & OTB33-10	Yes _____					
6.6.8.1.5	Green Wire Removed from OTB33-4	Yes _____	No _____				
6.6.8.1.6	Test Switch Installed Between OTB33-1 & OTB33-2	Yes _____	No _____				
6.6.8.1.7	Close 2D4P101	Green _____					
		Red _____					
6.6.8.1.8	Close TCB - 8	Green _____					
		Red _____					
6.6.8.1.9	TCB - 8 Closed	Yes _____	No _____				
6.6.8.1.10	Auxiliary Switch Contacts 3-3c	OTB34-5 _____					
		OTB34-6 _____					
6.6.8.1.11	Auxiliary Switch Contacts 10-10c	OTB38-1 _____					
		OTB38-2 _____					
6.6.8.1.12	Auxiliary Switch Contacts 6-6c	OTB38-7 _____					
		OTB38-8 _____					
6.6.8.1.13	Auxiliary Switch Contacts 7-7c	OTB38-9 _____					
		OTB38-10 _____					
6.6.8.1.14	Auxiliary Switch Contacts 8-8c	OTB38-11 _____					
		OTB38-12 _____					
6.6.8.1.15	Auxiliary Switch Contacts 5-5c	OTB34-9 _____					
		OTB34-10 _____					
6.6.8.1.16	Auxiliary Switch Contacts 4-4c	OTB34-4 _____					
		OTB34-6 _____					
6.6.8.1.17	Auxiliary Switch Contacts 9-9c	OTB38-3 _____					
		OTB38-4 _____					

MPES008
 Exhibit F
 Page 95 of 103
 Rev. 1
 SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/OC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
TCB - 8 Trip Test #1							
6.6.8.2.1	Trip TCB - 8	Green _____ Red _____					
6.6.8.2.2	Auxiliary Switch	OTB34-5 _____					
	Contacts 3-3c	OTB34-6 _____					
6.6.8.2.3	Auxiliary Switch	OTB38-1 _____					
	Contacts 10-10c	OTB38-2 _____					
6.6.8.2.4	Auxiliary Switch	OTB38-7 _____					
	Contacts 6-6c	OTB38-8 _____					
6.6.8.2.5	Auxiliary Switch	OTB38-9 _____					
	Contacts 7-7c	OTB38-10 _____					
6.6.8.2.6	Auxiliary Switch	OTB38-11 _____					
	Contacts 8-8c	OTB38-12 _____					
6.6.8.2.7	Auxiliary Switch	OTB34-9 _____					
	Contacts 5-5c	OTB34-10 _____					
6.6.8.2.8	Auxiliary Switch	OTB34-4 _____					
	Contacts 4-4c	OTB34-6 _____					
6.6.8.2.9	Auxiliary Switch	OTB38-3 _____					
	Contacts 9-9c	OTB38-4 _____					
6.6.8.2.10	Close TCB - 8	Green _____ Red _____					
6.6.8.2.11	TCB - 8 Will Not Rackout	Yes _____ No _____					
TCB - 8 Trip Test #2							
6.6.8.3.1	Jumper Between OTB33-9 & OTB33-10 Removed	Yes _____ No _____					
6.6.8.3.2	TCB - 8 Open	Green _____ Red _____					
6.6.8.3.3	Jumper Between OTB33-9 & OTB33-10 Connected	Yes _____ No _____					
6.6.8.3.4	Close TCB - 8	Green _____ Red _____					

MPES008
Exhibit F
Page 96 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment TCB - 8 Trip Test #3					
6.6.8.4.1 Jumper Between OTB32-9 & OTB32-10	Yes _____ No _____				
6.6.8.4.2 TCB - 8 Open	Green _____ Red _____				
6.6.8.4.3 Jumper Between OTB32-9 & OTB32-10 Removed	Yes _____ No _____				
6.6.8.4.4 Close TCB - 8	Green _____ Red _____				
TCB - 8 Trip Test #4					
6.6.8.5.1 Jumper Between OTB33-3 & OTB33-4	Yes _____ No _____				
6.6.8.5.2 TCB - 8 Open	Green _____ Red _____				
6.6.8.5.3 Jumper Between OTB33-3 & OTB33-4 Removed	Yes _____ No _____				
6.6.8.5.4 Close TCB - 8	Green _____ Red _____				
TCB - 8 Trip Test #5					
6.6.8.6.2 TCB - 8 Open	Green _____ Red _____				
TCB - 8 Trip Test #6					
6.6.8.7.1 TCB - 8 In Test	TCB - 8 _____				
6.6.8.7.2 Close TCB - 8	Green _____ Red _____				
6.6.8.7.3 Trip TCB - 8	Green _____ Red _____				
6.6.8.7.4 Close TCB - 8	Green _____ Red _____				

MPFS008
Exhibit F
Page 97 of 103
Rev. 1
SONGS 2 & 3

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.8.7.5 TCB - 8 Will Not Rack In	Yes _____ No _____				
6.6.8.7.7 Trip TCB - 8	Green _____ Red _____				
6.6.8.7.8 Open 2D4P101	Green _____				
6.6.8.7.9 Jumper Between OTB33-9 and OTB33-10 Removed	Yes _____ No _____				
6.6.8.7.10 Green Wire Re-Installed on OTB33-4	Yes _____ No _____				
6.6.8.7.11 Switch Between OTB33-1 & OTB33-2 Removed	Yes _____ No _____				
6.6.8.7.13 TCB-8 To Operate	TCB - 8 _____				
TCB - 9 Preparation					
6.6.9.1.1 Open 2B1509 and 2B1606	2B1509 _____ 2B1606 _____				
6.6.9.1.2 TCB - 9 In Operate Position & In Tripped Mode	Green _____ Red _____				
6.6.9.1.3 Close TCB - 9	Green _____ Red _____				
6.6.9.1.4 TCB - 9 Closed	Yes _____ No _____				
6.6.9.1.5 Auxiliary Switch Contacts 3-3c	OTB20-2 _____ OTB20-3 _____				
6.6.9.1.6 Auxiliary Switch Contacts 10-10c	OTB21-1 _____ OTB21-2 _____				
6.6.9.1.7 Auxiliary Switch Contacts 6-6c	OTB21-7 _____ OTB21-8 _____				
6.6.9.1.8 Auxiliary Switch Contacts 7-7c	OTB21-9 _____ OTB21-10 _____				
6.6.9.1.9 Auxiliary Switch Contacts 8-8c	OTB21-11 _____ OTB21-12 _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0	PROCEDURE	MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.9.1.10 Auxiliary Switch	OTB20-7 _____				
Contacts 5-5c	OTB20-8 _____				
6.6.9.1.11 Auxiliary Switch	OTB20-1 _____				
Contacts 4-4c	OTB20-3 _____				
6.6.9.1.12 Auxiliary Switch	OTB21-3 _____				
Contacts 9-9c	OTB21-4 _____				
TCB - 9 Trip Test #1					
6.6.9.2.1 Trip TCB - 9	Green _____ Red _____				
6.6.9.2.2 Auxiliary Switch	OTB20-2 _____				
Contacts 3-3c	OTB20-3 _____				
6.6.9.2.3 Auxiliary Switch	OTB21-1 _____				
Contacts 10-10c	OTB21-2 _____				
6.6.9.2.4 Auxiliary Switch	OTB21-7 _____				
Contacts 6-6c	OTB21-8 _____				
6.6.9.2.5 Auxiliary Switch	OTB21-9 _____				
Contacts 7-7c	OTB21-10 _____				
6.6.9.2.6 Auxiliary Switch	OTB21-11 _____				
Contacts 8-8c	OTB21-12 _____				
6.6.9.2.7 Auxiliary Switch	OTB20-7 _____				
Contacts 5-5c	OTB20-8 _____				
6.6.9.2.8 Auxiliary Switch	OTB20-1 _____				
Contacts 4-4c	OTB20-3 _____				
6.6.9.2.8 Auxiliary Switch	OTB21-3 _____				
Contacts 9-9c	OTB21-4 _____				
6.6.9.2.10 Close TCB - 9	Green _____ Red _____				
6.6.9.2.11 TCB - 9 Will Not Rackout	Yes _____ No _____				
TCB - 9 Trip Test #2					
6.6.9.3.1 Open 2D2P103					
TCB - 2	Green _____ Red _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment							
	TOB - 6	Green	_____				
		Red	_____				
	TOB - 9	Green	_____				
		Red	_____				
6.6.9.3.2	Jumper Between BC1 & BC2 Installed	Yes	_____ No _____				
6.6.9.3.3	Close 2D2P103 TOB - 2	Green	_____				
		Red	_____				
	TOB - 6	Green	_____				
		Red	_____				
	TOB - 9	Green	_____				
		Red	_____				
6.6.9.3.4	Close TOB - 9	Green	_____				
		Red	_____				
6.6.9.3.5	Trip TOB - 9	Green	_____				
		Red	_____				
6.6.9.3.6	Open 2D2P103	Green	_____				
		Red	_____				
6.6.9.3.7	Jumper Between BC1 & BC2 Removed	Yes	_____ No _____				
TOB - 9 Trip Test #3							
6.6.9.4.1	Two Wires on BC4 Connected Together	Yes	_____ No _____				
6.6.9.4.2	Close 2D2P103 TOB - 2	Green	_____				
		Red	_____				
	TOB - 6	Green	_____				
		Red	_____				
	TOB - 9	Green	_____				
		Red	_____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0 PROCEDURE		MAINTENANCE		QA/QC	
SECTION	DATA/VERIFIED COMPLETE	INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment					
6.6.9.4.3 Close TCB - 9	Green _____ Red _____				
6.6.9.4.4 Trip TCB - 9	Green _____ Red _____				
6.6.9.4.5 Open 2D2P103	Green _____ Red _____				
6.6.9.4.6 Two Wires on BC4 Connected	Yes _____ No _____				
6.6.9.4.7 Close 2D2P103	Green _____ Red _____				
TCB - 9 Trip Test #4					
6.6.9.5.1 TCB - 9 To Test	TCB - 9 _____				
6.6.9.5.2 Close TCB - 9	Green _____ Red _____				
6.6.9.5.3 Trip TCB - 9	Green _____ Red _____				
6.6.9.5.4 Close TCB - 9	Green _____ Red _____				
6.6.9.5.5 TCB - 9 Will Not Rack In	Yes _____ No _____				
6.6.9.5.7 Trip TCB - 9	Green _____ Red _____				
6.6.9.5.8 Open 2D2P103	Green _____ Red _____				
6.6.9.5.10 TCB-9 To Operate	TCB - 9 _____				
Trip Latch Adjustment All Breakers					
6.6.10.1 Control Power Off	Green _____ Red _____				
6.6.10.2 Trip Breaker	TCB - _____				
6.6.10.3 Breaker To Test	TCB - _____				
6.6.10.4 Buffer Paddle Fastened	Yes _____ No _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
Trip Latch Check and Adjustment Trip Latch Adjustment All Breakers							
6.6.10.6	Close Breaker	TCB -	_____				
6.6.10.7	Trip Breaker	TCB -	_____				
6.6.10.8	Breaker Will Not Close	Yes _____	No _____				
6.6.10.10	Breaker Will Close	Yes _____	No _____				
6.6.10.11	Trip Breaker	TCB -	_____				
6.6.10.12	Contacts Move Toward Close Before Trip	Yes _____	No _____				
6.6.10.13	Position of Slot Noted	Yes _____	No _____				
6.6.10.14	Latch Trip Check	Sat _____	#Unsat _____				

MPES008, REV. _____

MAINTENANCE DATA RECORD FORM

EQUIPMENT NO. _____

6.0		PROCEDURE		MAINTENANCE		QA/QC	
SECTION		DATA/VERIFIED COMPLETE		INITIAL	DATE	INITIAL	DATE
RESTORED PER. PROCEDURE SECTION 6.7							
#DEFINE DISCREPANCIES UNDER REMARKS							
REMARKS:							
PERFORMED BY:				DATE:			
REVIEWED BY:				DATE:			
APPROVED (BPC)				DATE:			
APPROVED (SCE)				DATE:			
REVIEWED QA				DATE:			