

**ATTACHMENT 12**  
**Time Validation – Performance of Division 3 DG to Division 2 Bus Cross-tie**

Time Validation of 4303.01P023 – Cross-Connecting Div 3 DG to Div 1(2) ECCS Electrical Busses for Div 2.

The following are simulated actions. Every attempt was made to simulate the physical time and performance for each individual activity.

54 minutes total time to implement the field portions. Does not include briefing time. Control room actions occur while the operators are moving between areas. After field portion is done, required timeframe is less than 30 minutes to close 3 breakers (Div 3 Res bkr, Div 2 Res Bkr, and Div 2 480V xfmr) and put control power fuses back in for RHR-B or C, at which time the Div 2 bus is ready for ECCS injection. As soon as the cross tie is complete and the 480V XFMR is energized, SLC and RHR-B/C WLP are immediately available for injection. After control power fuses are installed, RHR-B is available for injection with no field activities required.

09:42 – Start time from MCR.

09:46 – Go to ET4 disconnect and verified position of disconnect, required tool, and key.

09:49 – Obtain the tool from the ops cage.

09:55 – ET4 disconnect is open

10:05 – Obtained ladder from MWPH and arrived outside of service building at ET14 (checked entire SB basement for a ladder first)

10:08 – ET14 verified open.

10:11 – Arrived at div 2 switchgear room

10:18 – Removed control power fuses for RHR-B, RHR-C, and VP-B

10:23 – Test switches opened and lockout relay reset.

10:28 – Arrived at Aux electric equipment room

10:29 – ERAT lockout relays reset

10:30 – Arrive in HPCS / Div 3 switchgear room

10:32 – Test switches complete

10:35 – FU-11 fuses removed

10:36 – Lockout relays reset.