

## Operations and Maintenance Manuals Review

The Maintenance and Operations manuals (O&M's) were reviewed and accepted except as noted below;

1. The controls O&M's manuals need more information regarding the fiber-optic network between the fuel cells and the Johnson control panel, specifically cut sheet data on the fiber-optic interface devices that were used. Johnson Controls provided the required information.
2. The control drawings do not depict a true point to point wiring diagram. The drawings do identify wire termination points for the controllers. A point to point wiring diagram is required.
3. The control drawings do not depict the interface of the fuel cell run status via relays. This detail needs to be added to the control drawings.
4. The mechanical O&M's that were provided did not include the fuel cells, the cooling modules or the RO water system. The O&M's were verified at the site and are acceptable.
5. The electrical O&M's that were provided were missing the transformer and the switchgear. The O&M's were verified at the site and are acceptable.