possibilities. Most of the controls have minimized this potential by employing pin-type connectors or dissimilar spade terminal sizes.

2. Part of the analysis must include both the interchanging of wire leads and the disconnecting of leads.

3. Simple two wire switches in the gas control circuit must be included in the evaluation.

2. The project holder should consider verifying a portion of the FMEA on a test model by physically misconnecting wires and verifying the result.

3. The project holder must file the FMEA in the data file for the project along with the other test data.

4. When evaluating a request from the manufacturer to add an alternate or additional component in the gas control system, the project holder should consider the impact on the Safety Circuit Analysis test. If necessary, the manufacturer should be requested to provide a FMEA for the new components being added to the file.

2.26 CAPACITIES OF STORAGE VESSELS

Procedures:

1. Weigh the heater without any water in it. Be sure that it is completely drained.

2. Add water being sure that the tank is completely full.

3. Weigh the heater plus water. From the weight of the water determine the volume of water in gallons using the density of the water. Be sure that the density of the water used is consistent with the temperature of the water used for the test.

4. The measured volume must be within $\pm$5% of rated volume.