**Section 653.501 Operational Testing Equipment**

a) Smooth-nosed sampling taps shall be provided for collecting representative samples of treated and untreated water.

b) All community water supplies shall have DPD test equipment or other approved means as approved in "Standard Methods for the Examination of Water and Wastewater", 15th edition for measuring disinfectant used.

c) Testing equipment shall be available to plants with specific treatment processes which include, but are not limited to:

1) fluoride adjustment - test equipment for measuring levels of fluoride ion;

2) iron removal - test equipment for measuring iron levels;

3) ion exchange softening - equipment for measuring hardness;

4) coagulation and filtration - jar test equipment for determining chemical dosages and equipment for measuring pH, hardness, alkalinity and nitrate;

5) lime softening - equipment for measuring pH, hardness and alkalinity;

6) reverse osmosis - equipment for measuring total dissolved solids, chlorides and monitoring sulfates; and

7) polyphosphate addition - equipment for measuring both ortho- and total phosphates.