

# Download Potable Water Treatment Design Manual

Sedimentation is a physical water treatment process using gravity to remove suspended solids from water. Solid particles entrained by the turbulence of moving water may be removed naturally by sedimentation in the still water of lakes and oceans. COMPARISON OF SSF AND RSF. The comparison of Slow Sand water treatment Filter and Rapid Sand water treatment Filter with reference to design criteria, advantages and disadvantages is summarized in the below Table. The sludge which is found in the bottom of a sedimentation tank in water treatment plant is primarily composed of water. The solids in the sludge are mainly flocs, excess coagulant, such as alum. A real breakthrough in water treatment equipment, Lancaster's "Ironsoft" will not only soften hard water, but will remove up to 10 ppm of Ferrous (clear water) iron and/or Ferric (red water) iron.