

Sewage Treatment

Membrane Bioreactor System(MBR)

Separation of liquids and solids is realized by membrane units

Membrane Bioreactor System is one of the activated sludge systems. It is a technique to perform separation of liquids and solids with final sedimentation tanks by using membrane units submerged in the aerobic tank of the reaction tank.

Features

- Advanced treated water
 High efficiency elimination of SS, BOD and coliform group
- Space saving
 Sedimentation tanks and sand filtration equipment are not necessary for separation of liquids and solids with membrane
- Nitrification and denitrification operations
 Reaction tank MLSS concentration can be maintained at as high concentration as about 10,000mg/l and nitrification and denitrification are possible within the retention time equivalent to that of standard activated sludge system
- Repression of sludge generation volume
 High MLSS can be set and sludge autolysis is promoted, which represses the sludge generation volume

Application

