

Classification of Wastewater Treatment Plants

Class of Plants	Types of Treatment Systems	Typical Processes Included in the System
W1	Lagoons	Aerated or non aerated lagoons, filtration, disinfection, and land or wetland treatment
W2	Physical/ Biological	Primary treatment, sand filter, land or wetland treatment, and disinfection
W3	Package Activated Sludge Plants	Screening, activated sludge, sedimentation, filtration, disinfection, chemical addition, sludge handling, pumping and land or wetland treatment
W4	Trickling Filters Rotating Biological Contactors (RBC)	Preliminary treatment, primary treatment, sedimentation, activated sludge, oxidation ditches, filtration, chemical addition, disinfection, sludge handling, and pumping
W5	Activated Sludge	Preliminary treatment, primary treatment, sedimentation, activated sludge, oxidation ditches, filtration, chemical addition, disinfection, sludge handling, and pumping
W6	Site Specific	Other alternative technology systems not covered under this classification, which may include groundwater discharge systems such as spray irrigation and drip dispersal
WS	Solids Handling	Required when the specific works is limited to solids handling
WA	Advanced Wastewater Treatment	Used in conjunction with other classes
C2	Collection Systems	Wastewater collections systems with gravity and pumped or vacuum flow. A wastewater collections system is not classified as a separate entity if it is under the operation and supervision of certified wastewater treatment plant personnel