

Package plants and SBRs will be classified on the basis of each individual component.

**Reg.3.502 Classification of Municipal Wastewater Treatment Plants**

Class I: 1 - 25 point (OR individual, single-dwelling houses that treat domestic sewage only)

Class II: 26 - 49 points.

Class III: 50 - 74 points.

Class IV: 75 or more points.

**(B) Classification Factor Rating Points**

Eq. population served (1 pt./ 2000) =

(Flow in MGD x Influent BOD x 8.34)/(0.17 x 2000) [40 pts. max.]

MGD = **0.2** BOD = **200** → 0.98 → **1**

Population Served  → 0.00 → **0**

**Collection systems:**

Lift station, one or more	5	<input type="checkbox"/>
Vacuum collection system	10	<input type="checkbox"/>

**Preliminary Treatment:**

Screens / Bars	2	<input checked="" type="checkbox"/>
Comminutor	3	<input type="checkbox"/>
Grit removal	5	<input type="checkbox"/>

**Clarification:**

Primary settling and sludge removal	4	<input type="checkbox"/>
Secondary settling and sludge removal	6	<input checked="" type="checkbox"/>

**Lagoon/Pond/Natural Systems:**

Stabilization/Holding pond(s)	10	<input type="checkbox"/>
Aerated lagoon(s)/Natural systems	12	<input type="checkbox"/>
Fixed Film Systems (RBCs, trickling filters)	12	<input type="checkbox"/>

**Suspended Growth Systems:**

Activated sludge: Mechanical aeration / Diffused air	20	<input checked="" type="checkbox"/>
Pure oxygen	25	<input type="checkbox"/>
Neutralization	5	<input type="checkbox"/>

**Tertiary Treatment:**

Chemical treatment	20	<input checked="" type="checkbox"/>
Filtration	15	<input checked="" type="checkbox"/>
Nutrient removal	20	<input type="checkbox"/>

**Disinfection:**

Chlorine	5	<input checked="" type="checkbox"/>
Ozone	7	<input type="checkbox"/>
Ultraviolet Light (UVL)	5	<input type="checkbox"/>
De-chlorination	5	<input type="checkbox"/>

**Sludge Treatment:**

Thickening or dewatering	6	<input type="checkbox"/>
Aerobic digester	6	<input checked="" type="checkbox"/>
Anaerobic digester(s)	20	<input type="checkbox"/>
Drying bed	4	<input checked="" type="checkbox"/>
Chemical conditioning	10	<input type="checkbox"/>
Vacuum / coil filter(s) / centrifuge / composting	8	<input type="checkbox"/>
Sludge heating	5	<input type="checkbox"/>
DAF unit(s)	10	<input type="checkbox"/>
Sludge lagoon(s)	6	<input type="checkbox"/>

**Sludge disposal:**

Land application	4	<input checked="" type="checkbox"/>
Land application of effluent with no direct discharge	6	<input type="checkbox"/>