

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 = **0.750** BOD = **220** → 4.05 → **4**

Population Served → 0.00 → **0**

Collection systems:

Lift station, one or more 5

Vacuum collection system 10

Preliminary Treatment:

Screens / Bars 2

Comminutor 3

Grit removal 5

Clarification:

Primary settling and sludge removal 4

Secondary settling and sludge removal 6

Lagoon/Pond/Natural Systems:

Stabilization/Holding pond(s) 10

Aerated lagoon(s)/Natural systems 12

Fixed Film Systems (RBCs, trickling filters) 12

Suspended Growth Systems:

Activated sludge: Mechanical aeration / Diffused air 20

Pure oxygen 25

Neutralization 5

Tertiary Treatment:

Chemical treatment 20

Filtration 15

Nutrient removal 20

Disinfection:

Chlorine 5

Ozone 7

Ultraviolet Light (UVL) 5

De-chlorination 5

Sludge Treatment:

Thickening or dewatering 6

Aerobic digester 6

Anaerobic digester(s) 20

Drying bed 4

Chemical conditioning 10

Vacuum / coil filter(s) / centrifuge / composting 8

Sludge heating 5

DAF unit(s) 10

Sludge lagoon(s) 6

Sludge disposal:

Land application 4

Other:

Land application of effluent with no direct discharge 6