

Permit Number ARCO21717

Points 67

Class III

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

- (1) Class I - Individual, single-dwelling houses that treat domestic sewage only.
- (2) Class I - 01 - 25 rating points.
- (3) Class II - 26 - 49 rating points.
- (4) Class III - 50 - 74 rating points.
- (5) Class IV - 75 or greater rating points.

**(B) Classification Factor Rating Points**

Equivalent population served (1 point per each 2000 population)

Equivalent Population shall be calculated as:  
 Flow in MGD X Influent Biochemical Oxygen Demand (BOD) X 8.34  
 divided by 0.17. (The maximum rating for this factor shall be 40.)

Pop. 1342

**Collection systems:**

- Lift station, one or more..... 5
- Vacuum collection system ..... 10

**Preliminary Treatment:**

- Screens / Bars..... 2
- 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: ..... 12

**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
- Anaerobic digester(s) ..... 20
- Drying bed ..... 4
- Chemical conditioning..... 10
- Vacuum / coil filter(s) / centrifuge / composting..... 8
- DAF unit(s) ..... 10
- Sludge lagoon(s) ..... 6

**Sludge disposal:**

- Landfill w/heavy equipment ..... 2
- Land application..... 4
- Incineration ..... 8
- Land application of effluent with no direct discharge ..... 6

		1
✓		2
✓		5
✓		6
✓	(EQUAN 2.)	10
✓		20
✓		15
✓		5
✓		4