

Figure: 30 TAC §217.154(c)(1)

**Table F.2. - Maximum Clarifier Weir Overflow Rates
Based Upon Traditional Design Methods**

| Applicable Permit Effluent Sets <i>concentration milligrams per liter (mg/l)</i> | | | Aeration Basin Organic Loading <i>(five-day biochemical oxygen demand, from Table F.1.</i> | Process - Treatment Level | Maximum Surface Loading Rate at Two-Hour Peak Flow <i>(gallons/day/square foot)</i> | Minimum Detention Time at Two-Hour Peak Flow <i>(hours)</i> |
|---|-----|--------------------|---|---|--|--|
| BOD ₅ | TSS | NH ₃ -N | | | | |
| 20 | 20 | | 45 | Fixed film - secondary or enhanced secondary | 1,200 | 1.8 |
| 10 | 15 | | | | | |
| 20 | 20 | | 45, 35, 25 or 20 | Activated sludge - secondary, enhanced secondary, or secondary with nitrification | 1,200 | 1.8 |
| 10 | 15 | | | | | |
| 10 | 15 | 3 | | | | |
| 20 | 20 | | 15 | Extended air - secondary | 900 | 2.0 |
| 10 | 15 | 3 | 15 | Extended aeration - enhanced secondary | 800 | 2.2 |