Figure: 30 TAC §217.164(e)(2)(A)

Equation F.11. Clarifier Area Based on Design Flow

$$A_c = \frac{Q_d}{OR_{T9}}$$

Where:

A_c = clarifier area (square feet (sf)) based on max 30 day flow

Q_d = design flow (gallons per day)

OR_{T9} = weir overflow rate for selected underflow rate and mixed liquor suspended solids (MLSS) (gallons per day per square foot (gpd/sf)) from Table F.9. in Figure 1: 30 TAC §217.164(e)(2)(I)

Equation F.12. Clarifier Area Based on Peak Flow

$$A_c = \frac{Q_p}{OR_{T10}}$$

Where:

$A_{c,}$ = clarifier area (sf), based on peak flow

Q_p = peak flow, million gallons per day

OR_{T10} = weir overflow rate for selected MLSS (gpd/sf) from Table F.10. in Figure 2: 30 TAC §217.164(e)(2)(I)