

Figure: 30 TAC §217.164(e)(1)

**Equation F.9. Clarifier Volume Based on SWD**

$$V_c = A_c (\text{minSWD})$$

Where:

$V_c$  = volume of the clarifier(s), cubic feet, based on minSWD

$A_c$  = Area of the clarifier(s), square feet

minSWD = 10 feet, except as allowed in §217.152(g) of this title (relating to Requirements for Clarifiers)

**Equation F.10. Clarifier Volume Based On Minimum Detention Time**

$$V_c = \frac{(Q_p / 24)(\text{minDT})}{(7.48)}$$

Where:

$V_c$  = volume of the clarifier(s), cubic feet, based on minDT

$Q_p$  = peak flow, gallons per day

minDT = minimum detention time (hours) from Table F.2. in Figure: 30 TAC §217.154(c)(1) of this title (relating to Aeration Basin and Clarifier Sizing--Traditional Design)