

# Water Treatment Cost Summary

$$NF = \text{Roundup} \left[ \left( \frac{\text{required daily volume (gpd)}}{Q_{FE} \text{ (gpm)}} \right) \left( \frac{\text{day}}{1,440 \text{ min}} \right) \times SF \right]$$

$$\text{Cost}_F = NF \left\{ \frac{\$45,000}{\text{filter}} + \left( \frac{\$9.50}{\text{ft}^3} \right) \left( \frac{\text{thickness (in)}}{12 \text{ inches}} \text{ ft} \right) (1,000 \text{ ft}^2) \left( \frac{1}{\# \text{ of years}} \right) \right. \\ \left. + \left( \frac{\$5.90}{\text{ft}^3} \right) \left( \frac{\text{thickness (in)}}{12 \text{ inches}} \text{ ft} \right) (1,000 \text{ ft}^2) \left( \frac{1}{\# \text{ of years}} \right) \right\}$$