Gravity Grease Interceptor 25% Rule Calculation

Sludge Monitoring Device

48"

FOG

FOG that floats to the top of the column (6")

42"

Water Layer

Dirty, gray water (42")

12"

Solids

Solids that fall to the bottom of the column (12")

0"
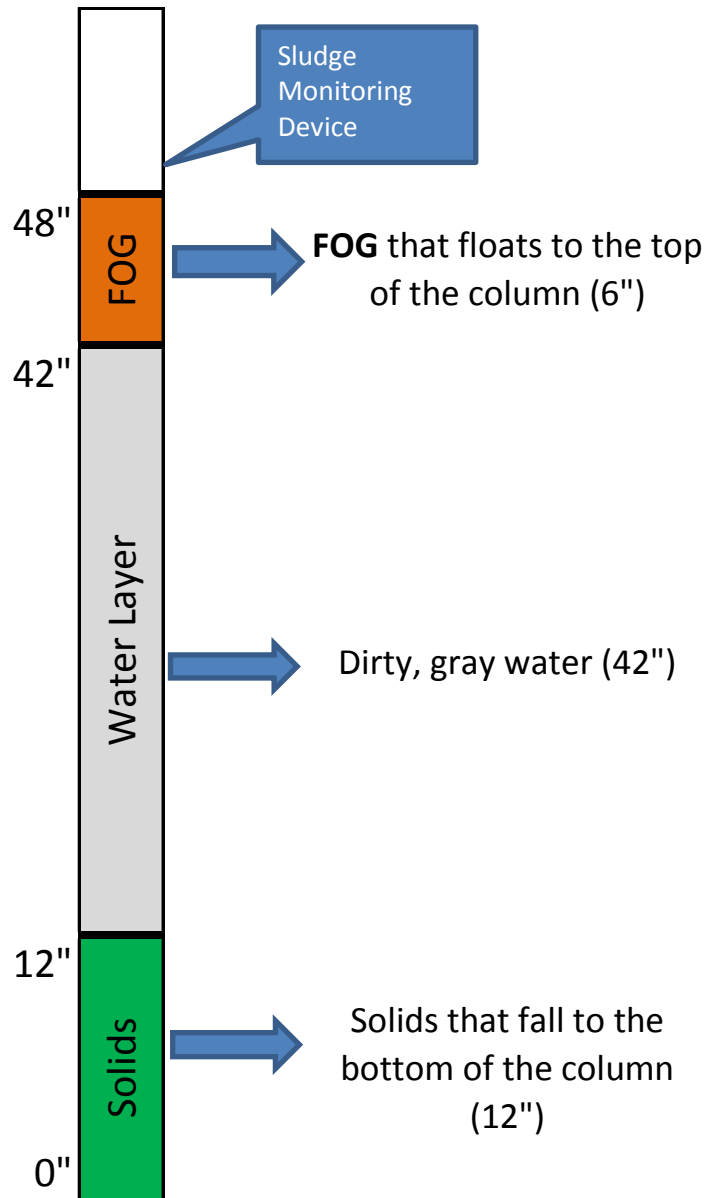
Does this example meet the 25% rule?

→ Total FOG at top of column = 6"
→ Total solids at bottom of column = 12"
→ Total depth of entire column = 48"

*Percentage of FOG + Solids

$$\frac{(FOG + solids)}{Depth\ of\ entire\ column} \times 100 =$$

$$\frac{(6" + 12")}{48"} \times 100 = 37.50\%$$

→ **Answer: No, the 25% rule is not met and the FSE needs to increase pumping frequency.**

* Sampling for the 25% rule should be conducted on the inlet side of the interceptor. Average the values from three evenly spaced samples.