

Figure: 30 TAC §115.118(a)(3)

$$EI_{\text{Reportable}} = (E_{1\text{Seal}} - E_{2\text{Seals}}) \times \left(\frac{G_m - G_a}{G_a} \right) \times \left(\frac{G_{8thL}}{\pi D} \right) \times 90$$

Where:

$EI_{\text{Reportable}}$ = The calculated emissions inventory reportable emissions that must be reported in the annual emissions inventory submittal required by §101.10 of this title (relating to Emissions Inventory Requirements).

$E_{1\text{Seal}}$ = The AP-42 estimate of emissions from a floating roof tank with a primary seal only. The material is assumed to be stored at a temperature equal to the maximum of the local monthly average temperatures during the emission inventory reporting year as reported by the National Weather Service. Units are pounds per day.

$E_{2\text{Seals}}$ = The AP-42 estimate of emissions from a floating roof tank with primary and secondary seals. The material is assumed to be stored at a temperature equal to the maximum of the local monthly average temperatures during the emission inventory reporting year as reported by the National Weather Service. Units are pounds per day.

G_m = The area of measured seal gaps greater than 1/8 inch wide. Units are square inches.

G_a = The area of allowable seal gaps greater than 1/8 inch wide, equal to one square inch per foot of tank diameter. Units are square inches.

G_{8thL} = The length of measured seal gaps greater than 1/8 inch wide. Units are linear feet.

D = The diameter of the storage tank. Units are feet.

90 = Constant. Units are days.