

$$GHG_i = \sum_j (GLR \times V \times MF_i)_j \times \rho_i \times 0.001$$

Where:

GHG_i = Emissions of greenhouse gas *i* attributable to atmospheric pressure fixed roof storage tanks receiving hydrocarbon produced liquids from onshore oil and natural gas exploration and production facilities and onshore natural gas processing facilities, in metric tons;

GLR = Gas oil ratio in storage tank *j*, determined in accordance with QC.33.4.9, in cubic metres of gas per cubic metre of liquid at standard conditions;

j = Atmospheric pressure fixed roof storage tank receiving hydrocarbon produced liquids from onshore oil and natural gas exploration and production facilities and onshore natural gas processing facilities;

V = Annual volume of liquid produced, determined in accordance with paragraph 6 of QC.33.4.9, in cubic metres;

MF_i = Molar fraction of greenhouse gas *i* in the gas, determined in accordance with paragraph 3 of QC.33.4;

ρ_i = Density of greenhouse gas *i* that is 1.830 kg per cubic metre for CO₂ and 0.668 kg per cubic metre for CH₄ at standard conditions;

0.001 = Conversion factor, kilograms to metric tons;

i = CO₂ or CH₄;