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

Where:

GHG_i = Annual emissions of greenhouse gas *i* attributable to associated gas, in metric tons;
j = Well;
GLR = Associated gas to liquid ratio for well *j*, determined in accordance with QC.33.4.12, in cubic metres of associated gas per cubic metre of liquid at standard conditions;
V = Annual volume of liquid produced, in cubic metres;
MF_i = Molar fraction of greenhouse gas *i* in gas in well *j*, determined in accordance with paragraph 3 of QC.33.4;
ρ_i = Density of greenhouse gas *i* that is 1.893 kg per cubic metre for CO_2 and 0.690 kg per cubic metre for CH_4 at standard conditions;
0.001 = Conversion factor, kilograms to metric tons;
i = CO_2 or CH_4.