

$$GHG_i = \sum_j (N \times V \times F_i) \times \rho_i \times 0.001$$

Where:

GHG_i = Annual emissions of greenhouse gas *i* attributable to EOR injection pump blowdown, in metric tons;

j = Injection pump;

N = Annual number of blowdowns for injection pump *j*, determined in accordance with QC.33.4.18;

V = Volume of gas per blowdown, determined in accordance with QC.33.4.18, in cubic metres at standard conditions;

F_i = Mass fraction of greenhouse gas *i* in the gas injected with injection pump *j*;

ρ_i = Density of critical phase greenhouse gas *i*, determined in accordance with QC.33.4.18, in kilograms per cubic metre at standard conditions;

0.001 = Conversion factor, kilograms to metric tons;

i = CO₂ or CH₄.