$$GHG_i = \sum_j \left[N_j \times EF_j \times t_j \right] \times MF_i \times \rho_i \times 0.001$$

Where:

GHG_i = Annual emissions of greenhouse gas i attributable to natural gas driven low or intermittent bleed pneumatic device venting, in metric tons;

j = Type of natural gas driven low or intermittent bleed pneumatic device;

N_j = Number of pneumatic devices of type j, determined in accordance with QC.33.4.2;

EF_j = Emission factor for pneumatic device of type j, determined in accordance with paragraph 2 of QC.33.4.2, in cubic metres per hour at standard conditions;

t_j = Annual operating time for pneumatic device of type j, in hours;

MF_i = Molar fraction of greenhouse gas i in natural gas, 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.