$$GHG_{n-m,i} = \sum_{k=1}^{m} \left[Q_{NG,k} \times V_k \right] \times MF_i \times \rho_i \times 0.001$$

Where:

$GHG_{n-m,i}$ = Annual emissions of greenhouse gas *i* attributable to natural gas driven pneumatic pump venting, in metric tons;
m = Total number of natural gas driven pneumatic pumps;
k = Natural gas driven pneumatic pump;
$Q_{NG,k}$ = Quantity of natural gas consumed by the natural gas driven pneumatic pump *k*, determined in accordance with paragraph 3 of QC.29.4.1, in cubic metres per litre of liquid pumped at standard conditions;
V_k = Annual volume of liquid pumped, in litres;
MF_i = Molar fraction of greenhouse gas *i* in natural gas, determined in accordance with paragraph 3 of QC.29.4;
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.