$$GHG_{n-m,i} = \sum_{k=1}^{n} [FPP_k \times t_k] \times MF_i \times \rho_i \times 0.001$$

Where:

$GHG_{n-m,i}$ = Annual emissions of greenhouse gas *i* attributable to natural gas driven pneumatic pumps, in metric tons;

n = Total number of natural gas driven pneumatic pumps;

k = Natural gas driven pneumatic pump;

FPP_k= Natural gas flow for natural gas driven pneumatic pumps *k*, determined in accordance with paragraph 3 of QC.29.4.1 or using Table 29-6 in QC.29.6 or calculated using equation 29-4.1 or 29- 4.2, in cubic metres per hour at standard conditions;

t_k = Annual operating time for natural gas driven pneumatic pumps *k*, in hours;

MF_i = Molar fraction of greenhouse gas *i* in natural gas, determined in accordance with paragraph 3 of QC.29.4;

p_i = Density of greenhouse gas *i* that is 1.830 kg per cubic metre for CO_2 and 0.668 kg per cubic metre for CH_4 at standard conditions;

0.001 = Conversion factor, kilograms to metric tons;

i = CO_2 or CH_4.