

$$GHG_{n-m,i} = \sum_{j=1}^n [D_j \times t_j] \times MF_i \times \rho_i \times 0.001$$

Where:

$GHG_{n-m,i}$  = Annual emissions of greenhouse gas  $i$  attributable to high bleed pneumatic device venting, in metric tons;

$n$  = Total number of high bleed pneumatic devices;

$j$  = High bleed pneumatic device;

$D_j$  = Natural gas flow for pneumatic device  $j$ , determined in accordance with paragraph 2 of QC.29.4.1 or using Table 29-6 in QC.29.6, in cubic metres per hour at standard conditions;

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

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

$\rho_i$  = 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  $CH_4$ ;