$$GHG_i = \sum_{j=1}^{n} \left[EF \times t \right]_j \times MF_i \times \rho_i \times 0.001$$

Where:

GHG_i = Annual emissions of greenhouse gas *i* attributable to compressor scrubber dump valve leakage from condensate storage tanks connected to transmission storage tanks, in metric tons;
n = Number of equipments;
j = Device;
EF = Emission factor for leakage from device *j*, determined in accordance with paragraph 1 of QC.29.4.10, in cubic metres per hour at standard conditions;
t = Duration of leakage from device *j*, determined in accordance with paragraph 2 of QC.29.4.10, in hours;
MF_i = Molar fraction of greenhouse gas *i* in gas from reciprocating compressor vents, 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.