Figure: 30 TAC §112.103(2)(C)(i)

$$SO_2 = Scc \times FFa \times \frac{Tsc}{Ta} \times \frac{Pa}{Psc} \times \frac{lb\ mole}{385.27\ scf} \times \frac{64.06\ lb\ SO_2}{lb\ mole}$$

Where:

SO_2 = flare sulfur dioxide emissions in pounds per hour;

Scc = inlet sulfur compound concentration in in units of cubic feet of flare gas inlet stream sulfur compounds per 1,000,000 cubic feet of flare gas;

FFa = inlet flare gas stream flow in actual cubic feet per hour;

Psc = regulatory standard condition pressure of 14.7 pounds per square inch (psia);

Pa = FFa measurement pressure in units of psia;

Tsc = regulatory standard condition temperature of 528 degrees Rankin; and

Ta = flare inlet actual stream temperature in degrees Rankin.