

Figure: 30 TAC §112.233(d)(3)(B)(iii)

$$SO_2 = H_2Sfc \times \frac{Fsc}{H_2Ssc} \times FFa \times \frac{Tsc}{Ta} \times \frac{Pa}{Psc} \times \frac{lb\ mole}{385.27\ scf} \times \frac{64.06\ lb\ SO_2}{lb\ mole}$$

Where:

SO₂ = affected combustion equipment SO₂ emissions in lb/hr;

H₂Sfc = fuel hydrogen sulfide (H₂S) concentration in units of actual cubic feet of H₂S per 1,000,000 actual cubic feet of fuel from the analysis in 112.233(d)(3)(B)(ii);

Fsc = total fuel sulfur compounds concentration in cubic feet per 1,000,000 cubic feet fuel gas from the analysis in 112.233(d)(3)(B)(ii) of this section;

H₂Ssc = sampled H₂S concentration in cubic feet per 1,000,000 cubic feet fuel gas;

FFa = fuel 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 = fuel temperature in degrees Rankin.