Figure: 30 TAC §112.243(j)

$$\sigma_i = \left[(S_{oil} \times D_{oil} \times F_{oil}) - (S_p \times P_p)\right] \times 2$$

Where:

σ_i = emissions of SO_2 generated by each production unit in units of pounds per hour;

i = the carbon black production unit;

S_{oil} = weight of sulfur in carbon black oil in units of pounds of sulfur per pound of carbon black oil;

D_{oil} = density of carbon black oil in pounds per gallon determined at a temperature consistent with the carbon black oil feed;

F_{oil} = feed rate of oil to carbon black production unit in gallons per hour;

S_p = sulfur content of carbon black product as determined in units of pound of sulfur per pound of product;

P_p = production rate of carbon black product in units of pounds per hour; and

2 = the molecular weight ratio of SO_2 to sulfur.