**Section 214.184 Special Formula**

a) If the maximum total emissions of sulfur dioxide into the atmosphere in any one hour period from all fuel combustion emission sources owned or operated by any person and located within a 1 mile (1.6 km) radius from the center point of any such fuel combustion emission sources exceed, during normal cyclical variations in firing rate and fuel, the emissions allowed under Section 214.183 but, as of April 1, 1978, were in compliance with either the formula detailed below or a Pollution Control Board (Board) order, then the owner or operator of the emission sources shall not cause or allow such emissions to exceed the emissions allowed under Section 214.183 or the formula detailed below, whichever the owner or operator of the emission sources determines shall apply.

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| --- | --- | --- | --- | --- | --- |
| b) E = 20,000 | ( | HS | ) | 2 | (in English units) |
| 300 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| E | = | 4.8824 x 20,000 | ( | HS | ) | 2 | (in Metric units) |
| 300 |  |

|  |  |  |
| --- | --- | --- |
| H | = | P1 H1 + P2 H2 + . . . Pn Hn |

(Note: P1 + P2 . . . Pn = 1)

c) As used in these equations, symbols mean the following:

|  |  |  |
| --- | --- | --- |
| E | = | total emission of sulfur dioxide in lbs/hr or kg/hr into the atmosphere in any one hour period from all fuel combustion emission sources owned or operated by such person and located within a 1 mile (1.6 km) radius from the center point of any such emission source; |
| Pi | = | (for i = 1, 2, . . . ,n) percentage of total emissions E emitted from source i expressed as decimal equivalents (e.g., 21% = 0.21); and |
| Hi | = | (for i = 1, 2, . . . ,n) physical height (in feet or meters) above grade of stack i. |

(Source: Amended at 30 Ill. Reg. 9671, effective May 15, 2006)