

Article 8 For the air pollutant that is listed in the emission standard table with the stack emission standards, the height of the stack should be calculated by the following equation for a new pollution source.

$$q = a_1 \cdot k \cdot h_e^{2.2}$$

Areas	<i>k</i> value	Applicable Districts
1	2.6×10^{-3}	Taipei City, New Taipei City, Keelung City, Ilan County
2	4.2×10^{-3}	Taoyuan City, Hsinchu County, Hsinchu City
3	1.8×10^{-3}	Miaoli County, Taichung City, Changhua County, Nantou County, Hualien County
4	2.2×10^{-3}	Yunlin County, Chiayi County, Chiayi City, Tainan City
5	1.6×10^{-3}	Kaohsiung City, Pingtung County, Taitung County, Penghu County

$$h_e=h+\Delta h$$

$$\Delta h=1.8 \left(1.5V_s \cdot ds+4\times 10^{-5}Q_h \right) \bigg/ \bar{u}$$

$$\rho \cdot C_p \cdot \pi \cdot ds^2 \cdot V_s \cdot (T_s-T) \cdot 1000$$

$$Q_h= \frac{\hspace{10cm}}{\hspace{10cm}}$$