CLAIMS

1. A combustion equipment, comprising:

a combustion device for burning fuel containing chlorine element;

a supply device for supplying sulfur-containing additives to the combustion device;

an adjustment device for adjusting a supply amount of the sulfur-containing additives with the supply device; and

a detection device for detecting an amount of chlorine element in a combustion gas generated by combustion of the fuel in the combustion device,

wherein the adjustment device adjusts the supply amount such that the value of F_S/F_{Cl} falls within a predetermined range, where F_{Cl} is a detection value for the detection device and F_S is a supply amount of sulfur supplied to the combustion device for supplying the sulfur-containing additives to the combustion device with the supply device,

wherein the range is determined based on a result from chemical thermodynamic calculation, and wherein the chemical thermodynamics calculation inputs each element content of supplies introduced into the combustion device, performs calculation such that Gibbs free energy of an entire system in the combustion device is minimized, and outputs an amount and a composition of each compound and each solution phase to perform calculation of parametrically varying sulfur and chlorine supplied to the combustion device.

2. The combustion equipment according to claim 1,

wherein the range is $F_S/F_{Cl}>0.3$.

3. The combustion equipment according to claim 1 or 2,

wherein the range is $0.6<F_S/F_{Cl}<1.0$.