CLAIMS

[Claim 1]

A method for inhibiting corrosion fatigue of an evaporation tube in a steam generator of a boiler (referred to as "boiler water" hereinafter), comprising:

controlling a dissolved oxygen concentration of water in the boiler to 1.0 mg/L or less; and

adding a scale dispersant to the water in the boiler,

wherein the scale dispersant is at least one poly(meth)acrylic acid compound selected from the group consisting of polyacrylic acid having a weight-average molecular weight of more than 50,000 to 120,000 or less and a salt thereof, and polymethacrylic acid having a weight-average molecular weight of more than 5,000 to 10,000 or less and a salt thereof, and

wherein a concentration of the scale dispersant in the water in the boiler is 1 to 1,000 mg/L.

[Claim 2]

The method for inhibiting corrosion fatigue of an evaporation tube in a boiler according to claim 1, comprising using ion-exchanged water for the water in the boiler.

[Claim 3]

The method for inhibiting corrosion fatigue of an evaporation tube in a boiler according to claim 1 or 2, wherein the boiler is a small-type once-through boiler.