CLAIMS

[Claim 1]

A method for operating a circulating cooling water system for improving cooling performance of a cooling tower in ~~a~~the circulating cooling water system having the cooling tower,~~–~~

~~_____~~wherein

~~———~~_cooling water used in the circulating cooling water system is ~~cooling water to which~~prepared using an agent comprising a surfactant ~~is added, and~~

~~———~~so that the cooling water satisfies (a) a dynamic contact angle of 55° or less and (b) a bubble bulkiness of 250 mL or less.

[Claim 2]

The method for ~~improving~~operating a circulating cooling ~~performance~~water system according to claim 1, wherein the surfactant is a nonionic surfactant.

[Claim 3]

The method for ~~improving~~operating a circulating cooling ~~performance~~water system according to claim 1 or 2, wherein the surfactant is a nonionic ether-based surfactant.

[Claim 4]

The method for ~~improving~~operating a circulating cooling ~~performance~~water system according to any one of claims 1 to 3, wherein the surfactant is ~~a~~ polyoxyalkylene alkyl ether.

[Claim 5]

The method for ~~improving~~operating a circulating cooling ~~performance~~water system according to any one of claims 1 to 4, wherein the cooling water has a dynamic contact angle of 52° or less and a bubble bulkiness of 230 mL or less.

[Claim 6]

A method for ~~preparing cooling water used in~~operating a circulating cooling water system for preparing cooling water used for improving cooling performance in the circulating cooling water system having a cooling tower, comprising

~~adding~~using an agent comprising a surfactant ~~to~~for cooling water in the circulating cooling water system to prepare cooling water having (a) a dynamic contact angle of 55° or less and (b) a bubble bulkiness of 250 mL or less.

~~[Claim 7]~~

~~A method for operating a circulating cooling water system having a cooling tower, comprising~~

~~adding an agent comprising a surfactant so that cooling water used in the circulating cooling water system satisfies (a) a dynamic contact angle of 55° or less and (b) a bubble bulkiness of 250 mL or less.~~