# CLAIMS

[Claim 1]

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

wherein cooling water used in the circulating cooling water system is prepared using an agent comprising a surfactant 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 operating a circulating cooling water system according to claim 1, wherein the surfactant is a nonionic surfactant.

[Claim 3]

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

[Claim 4]

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

[Claim 5]

The method for operating a circulating cooling 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 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

using an agent comprising a surfactant 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.