

ABSTRACT

Cooling water (circulating back water) which is raised its temperature by a refrigerator 12 is sprayed from a spraying device 2 of a cooling tower, and is collected in a pit 4. The cooling water in the pit 4 is circulated via a circulation pump (10), a circulation forward pipe (11) and a circulation return pipe through the refrigerator 12. Make-up water is supplied from a make-up water line 9 at a rate corresponding to an evaporation loss, windage loss W and a blowdown water amount B from a blowdown valve 8 of a blowdown line 7 of the cooling tower 1. A load of the cooling tower is calculated based on a temperature difference between the circulating forward water and the circulating back water, and a feeding rate of a treating agent from a feeding device 14 is controlled based on the load.