

REVERSE OSMOSIS TREATMENT METHOD

ABSTRACT

There is provided a reverse osmosis treatment method that can prevent degradation of a RO membrane caused by heavy metals contained in an iron-based inorganic flocculant. The reverse osmosis treatment method includes adding an iron-based inorganic flocculant to water to be treated, performing solid-liquid separation of the water, for example, by floatation and dual media filtration, and treating the water with a reverse osmosis unit. A chelate-based scale inhibitor and a scale dispersant are added to the water to be supplied to the reverse osmosis unit. The chelate-based scale inhibitor is preferably ethylenediaminetetraacetic acid or nitrilotriacetic acid.

FIGURE 1