CLAIMS

1 A reverse osmosis treatment method, comprising: adding an iron-based inorganic flocculant to water to be treated; performing solid-liquid separation of the water; and treating the water with a reverse osmosis unit,

wherein a chelate-based scale inhibitor and a scale dispersant are added to the water to be supplied to the reverse osmosis unit;

wherein the chelate-based scale inhibitor is ethylenediaminetetraacetic acid and/or nitrilotriacetic acid; and

wherein the scale dispersant is at least one selected from the group consisting of low molecular weight polymers, such as (meth)acrylic acid polymers and salts thereof and maleic acid polymers and salts thereof, phosphonic acids and phosphonates, such as ethylenediaminetetra(methylenephosphonic acid) and salts thereof, hydroxyethylidenediphosphonic acid and salts thereof, nitrilotrimethylenephosphonic acid and salts thereof, and phosphonobutanetricarboxylic acid and salts thereof, and inorganic polymeric phosphoric acids and inorganic polymeric phosphates, such as hexametaphosphoric acid and salts thereof and tripolyphosphoric acid and salts thereof.

~~2 The reverse osmosis treatment method according to Claim 1, wherein the chelate-based scale inhibitor is ethylenediaminetetraacetic acid and/or nitrilotriacetic acid.~~

~~3~~2 The reverse osmosis treatment method according to Claim 1 ~~or 2~~, wherein the scale dispersant is at least one selected from the group consisting of (meth)acrylic acid polymers and salts thereof and maleic acid polymers and salts thereof.

~~4~~3 The reverse osmosis treatment method according to any one of Claims 1 ~~to~~or ~~3~~2, wherein the Mn, Zn, and Ni content of the iron-based inorganic flocculant is 0.05% by weight or more in total.

~~5~~4 The reverse osmosis treatment method according to any one of Claims 1 ~~to~~or ~~4~~3, wherein 10 to 400 mg/L of the iron-based inorganic flocculant is added to the water to be treated.

~~6~~5 The reverse osmosis treatment method according to any one of Claims 1 ~~to~~or 4 ~~5~~, wherein the amount of chelate-based scale inhibitor added is at least 20 times the total equivalent of Mn, Zn, and Ni heavy metals in the supplied

water.

~~7~~6 The reverse osmosis treatment method according to any one of Claims 1 ~~to 6~~or 5, wherein 1 to 200 mg/L of the scale dispersant is added to the supplied water.

~~8~~7 The reverse osmosis treatment method according to any one of Claims 1 ~~to 7~~or 6, wherein the iron-based inorganic flocculant is added to the water to be treated, and the water is subjected to flocculation treatment at pH 4 to 8 and then solid-liquid separation.