



IRON AND YOUR WATER

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The information below was taken from this website where more info can be found on this topic:

<https://www.pickcomfort.com/water-quality/iron-in-well-water/#:~:text=Iron%20being%20present%20at%20above%200.3%20mg%2FL%20is,understand%20exactly%20the%20contents%20of%20your%20well%20water>

THE FORMS OF IRON WITHIN WELL WATER

There are three common forms of iron which can be found in well water supplies. Other forms are sometimes found, but these are very rare.

BACTERIAL IRON

This can be identified by red, slimy build up on plumbing fixtures supplied by your well. Bacterial iron can lead to the right conditions for other organisms which can cause diseases, and though it will not make you ill itself, it lowers the quality of the water in terms of taste and smell. It can even leave stains in your home.

FERRIC IRON



This is iron that has come into contact with oxygen and has oxidized, creating a red rust coloring. If reddish particles drop to the bottom of a glass of water and settle, then ferric ions have been created. Ferric iron is insoluble.

FERROUS IRON

Ferrous Iron is clear to look at, it comes from water supplies with no oxygen in them such as deep wells and groundwater. Carbon dioxide turns this to ferrous bicarbonate, which is soluble, as opposed to ferric iron.

Now that we know the different forms of iron that can be found in our water, we will next discuss what we should do about it, if anything. Iron being present at above 0.3 mg/L is considered an issue, but for exact readings you will need lab tests. If your test results show that you fall under this amount you really have nothing to worry about. Iron within water is often visible, as are the problems it can cause over time. Reddish rusty spots, sludge within your toilet or reddish debris at the bottom of a glass of the well water is a clear sign of iron being present in the water. Also, if you run a faucet and the water coming out is any shade of red or brown then it can be a clear sign of iron being present.

REMOVING IRON FROM WELL WATER

Here are a few methods for Iron Removal that must be matched to your issue so that they can be cost effective:

Water Softeners – To remove iron and other minerals like manganese.

Whole House Iron Filters – Usually used for minimal concentrations.

Reverse Osmosis – Only used in extreme cases because of the cost of this method. Another problem with this method is that it also removes calcium from the water, which you want and is a good thing to have in your water.

As previously stated, there is a whole lot more information to be found on this topic, but I just wanted to touch on a few of them to get you started on the road to removing this harmless but sometimes very annoying substance found in your drinking water. Till next time here is wishing you and your families a very happy and healthy New Year. Go 2021. 💧💧💧

