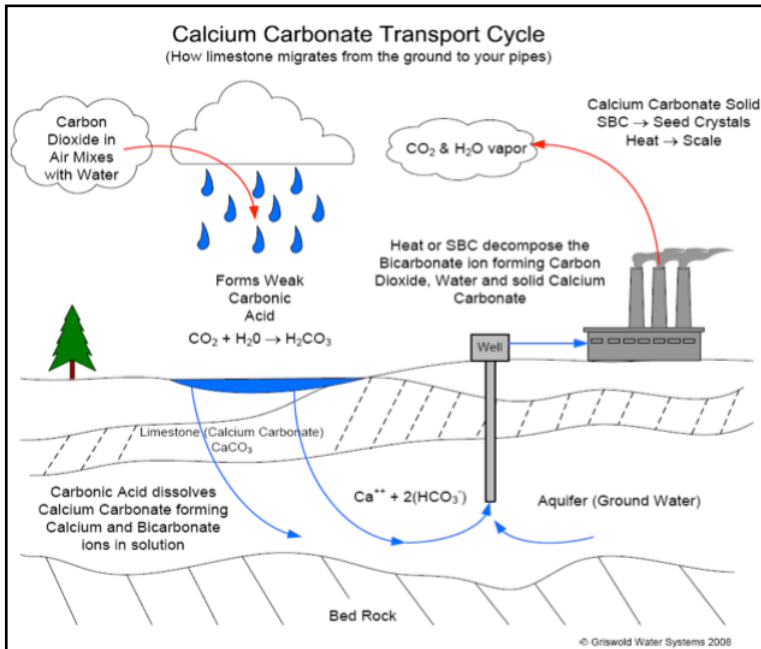




It's the reverse of what occurs in nature, utilizing technology, and we call that being GREEN...



This is a simple, yet powerful technology, that reduces scale (calcium carbonate), biological growth (biofilm), and corrosion. This three tier approach allows chemical free treatment of cooling tower water.


Scale prevention is accomplished by causing calcium carbonate to precipitate as very small seed crystals in the bulk water flow. These free floating crystals do not attach to surfaces, and serve at sites of new growth instead of depositing as surface scale. This in turn, forms a soft sludge that is swept from the system by water flow.

Scale removal is accomplished by utilizing available CO₂ in solution. CO₂ is produced when the bicarbonate ion is

disassociated forming carbonic acid (similar to soda water) to dissolve existing scale, just like the original limestone in nature. Micro-bubbles impact existing scale creating small areas of low pH.

Bacteria control is managed by the intense electrical field which creates holes in the organisms cell wall. These holes entrain oxygen and leads to cell death. These dead cells are then later filtered out of the system.

Corrosion is controlled by allowing the cooling tower to operate above the normal saturation point for calcium carbonate, utilizing calcium as a natural corrosion inhibitor.



LEED POINTS

Obtain (1) LEED Point for “utilizing no chemicals”

Obtain (1) LEED Point for utilizing blow down water as grey water for watering plants or toilets.