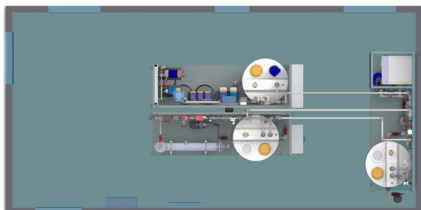
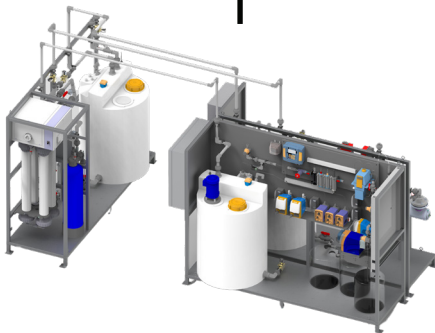
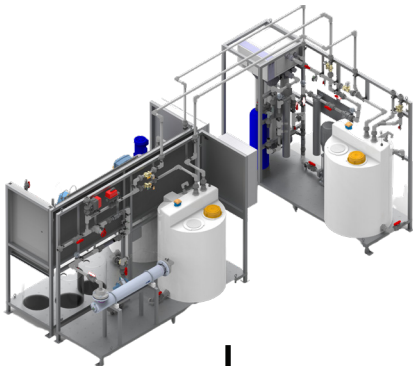


# CLEAN WATER INITIATIVE - WATER TREATMENT FACILITY



## HOW IS WATER TREATED?

01

Rain is gathered into Tank 1 by means of “first flush” system on roof gutters.

02

Stored water is then transferred via pump to Tank 2 on the UF system skid.

03

Water from Tank 2 either goes through UF unit or through cartridge filters to remove solids, tannins, etc.

04

Water then transfer to tank 3 on the UV system skid.

05

Water can then be pumped through the UV system to destroy all germs and bacteria and chlorine will be injected. At this point, cleaned water can go to point of use, tAo drain, or back to tank 2 to recirculate.

06

All water produced by UF system is transferred to Tank 4 on the Dosing System Skid where it can be dosed with caustic, acid, or disinfectant. At this point, PH is monitored and must meet required criteria prior to being released to drain.

07

At several points, PH, turbidity, chlorine, and cleanliness is monitored.