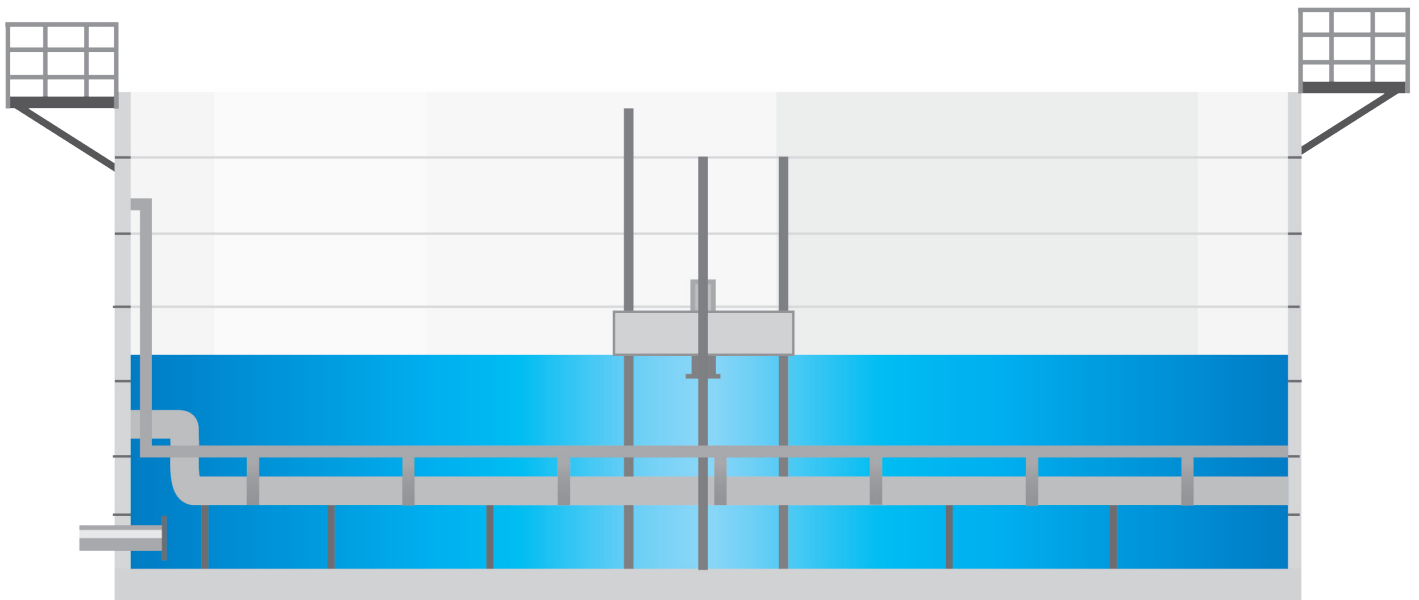


Product Spotlight: Equalization Tanks

Equalization tanks, or EQ tanks, play an important role in wastewater treatment plants. These tanks regulate and allow for an equal output rate of water into the wastewater treatment plants.

EQ tanks come in a variety of configurations, depending on the industry and application. Some EQ tanks will have a series of aeration pipes used in the equalization process, while others will have a floating mixer. Other tanks may not have anything inside at all, but will regulate the flow of the water or other liquid it contains. Some tanks will have a cover, while others have an open top. American Structures, Inc. is able to design, manufacture and assemble EQ tanks in a variety of configurations, plus some of the appurtenances as well, to best fit your project and needs.



The EQ tank pictured above is shown with a float in the center and a system of aeration pipes below. This is but one of many configurations for an EQ tank.

What's New

American Structures, Inc. recently completed the assembly of an equalization tank for Heartland Foods in Joplin, Missouri. The tank has a storage capacity of 80,000 gallons. In addition to the tank, American Structures, Inc. also manufactured the 1:12 pitch roof and appurtenances, including the manway, railings, ladder and more. The tank also features a stainless steel floor with fiberboard installed between the floor and the concrete foundation. The fiberboard helps protect the hardware that fasten the stainless steel floor to the concrete foundation from naturally occurring vibrations.



Cape Town Faces Water Crisis

In the past few months, the city of Cape Town, South Africa has been implementing emergency water restrictions. Currently, the nearly 4 million residents are asked to only use 50 liters (slightly over 13 gallons) of water per day.

What brought about these water restrictions? In the past three years, Cape Town has had below-average rainfall, resulting in the water levels of the nearby dams to drop. These dams are the major sources for the city's drinking water. If the water levels in the dams continue to fall to a certain point, then the city will reach what has been dubbed "Day Zero."

WHAT YOU CAN DO WITH 50 LITRES A DAY



DISHES & LAUNDRY
18 LITRES



90 SECOND SHOWER
15 LITRES



1 TOILET FLUSH
9 LITRES



DAILY HYGIENE
3 LITRES



COOKING
2 LITRES



DRINKING WATER
2 LITRES



1 DOG BOWL
1 LITRE

*The graphic above shows how Cape Town residents can use 50 liters of water for everyday applications.
(Courtesy of defeatdayzero.co.za)*

On Day Zero, the taps to the residential faucets will be shut off in order to prevent the dams from running completely dry, in the hopes that the upcoming rainy season will replenish the water supply. Once Day Zero hits, the residents of Cape Town would have new water rationing restrictions of just 25 liters (6.6 gallons) of water per day, which would be collected from one of 200 collection sites around the city. The government has been continuously monitoring the water supply to provide an estimate of when Day Zero could potentially occur, with previous projected dates of April 16 and May 11 of this year. At the moment, the date has been pushed back to July 9, 2018, due to the ongoing efforts to conserve water in Cape Town.

Sources

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