

Industrial Water Reuse Solutions

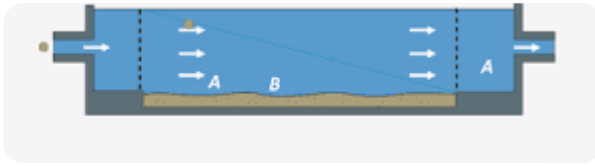
Custom Treatment, Reliable Results

BioLargo Engineering, Science and Technologies (BLEST) offers over 100 years of combined experience in all areas of environmental engineering. Serving federal, municipal and industrial customers all over the world, BLEST offers a vast variety of services its customers in the best way possible...The BLEST way ...with Innovations, Problem Solving and Full Service Solutions.



Our teams of scientists and engineers custom design every treatment system based on the incoming water chemistry to ensure the highest quality results. Our customized approach allows for the flexibility to tailor the reuse water to the application.

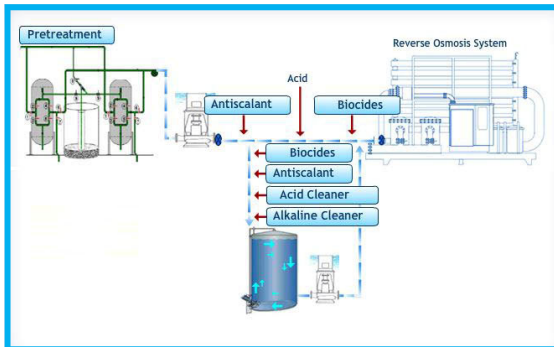
Step 1 Precipitation and Clarification



BLEST will use a variety of clarification technologies including Coagulation, Flocculation, Dissolved Air Flotation and others to remove metals, solids, fats, oils and greases from the reuse water.



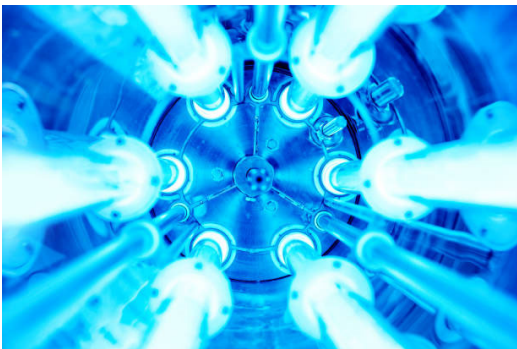
Step 2 Dissolved Solids Removal



Selecting from Adsorption, Ion Exchange, Ultrafiltration, Nanofiltration or Reverse Osmosis, BLEST engineers will select a series of technologies to remove any unwanted contaminants from the reuse stream.



Step 3 Polishing and Disinfection



The final step in the water reuse process is the polishing step that ensures the water quality is safe and dialed in to the requested quality. This step can include such technologies as: UV disinfection, Carbon Polishing, Advanced Oxidation, pH Adjustment and Calcium Filtration.

All Reuse systems are built to state and local reuse regulations. In those states that have no regulations, our systems are designed to the California reuse 12/10/10 standard. (12 Log Reduction Value of Viruses, 10 Log Reduction Value of *Cryptosporidium* and 10 Log Reduction Value of *Giardia*).