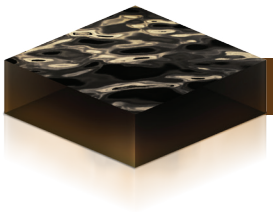


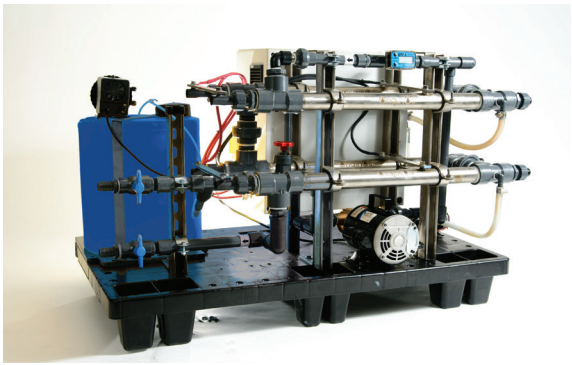
APPLICATION NOTE

Electro-Oxidation

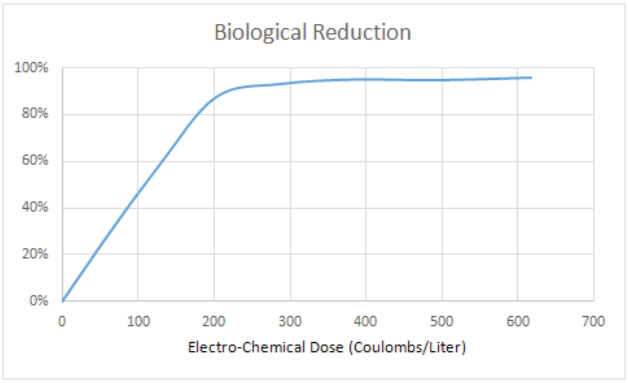
EWS's Electro-Oxidation Reduces Bacteria and Hydrogen Sulfide Without Chemicals

OriginClear's EWS Electro-Oxidation technology was evaluated as a stand-alone in-situ inline disinfection system. The objective of the testing was to evaluate using the produced water's native dissolved solids in coordination with the electro-oxidation process to reduce the biological activity in an Eagle Ford Formation produced water.

Typically disinfection processes require the shipping and handling of expensive chemicals to site, which necessitates operator input for chemical preparation and equipment operation. In applications where the treated water is intended for reuse in additional oil and gas production, it can be advantageous to harness the natural high salinity of most produced water for beneficial onsite reuse as disinfection agents.



This EWS electro-oxidation unit was tested on produced water in Texas' Eagle Ford Formation.



Toward this objective, the EWS electro-oxidation technology was evaluated as an in-situ disinfection process on an Eagle Ford produced water influent. Using this in-situ electro-oxidation process, the EWS EO unit was able to reduce biological activity was by 96%, without the addition of any external chemicals.

Appropriate disinfection of produced water is critical for well maintenance and the prevention of hydrogen sulfide formation.

Contact Us

OriginClear Technologies
+1 877-999-6645 Ext 4
sales@originclear.com
www.originclear.com/tech