

Constructed Wetlands

A Natural Approach to Industrial Wastewater Treatment

Constructed wetlands (aka engineered wetlands) provide natural treatment of industrial wastewater and landfill leachate. These are lined systems, protective of the environment, and mimic the steps found in more traditional wastewater treatment processes. The main difference is the trade-off of energy (labor, electricity, chemicals) in a traditional system for space and retention time of a wetland.

Types of constructed wetlands include vertical or horizontal subsurface flow, free water surface flow, and floating systems. Our wetlands are engineered for site-specific conditions and could include a combination of treatment stages depending on the contaminants.

Contrary to common belief, constructed wetland systems can be effective in cold-weather climates as demonstrated by numerous systems operating as designed in areas such as Minnesota and Canada.

Whether you need to meet strict NPDES discharge limits or local POTW requirements, wetlands may prove to be a fast, sustainable, and cost-effective solution for your facility.



"Pollution is just a resource out of place."



Constructed wetlands have proven to be effective treatment options across numerous industries, with benefits such as:

- Easy to maintain
- Cost savings from lower O&M
- Lower environmental impact
- Reduced carbon footprint
- Ability to produce high quality effluent
- Less energy and fuel needed
- Create habitat
- Improve aesthetics of your facility
- Excellent public relations opportunities
- Reduce corporate environmental liability

LOW to NO-COST Installation Options Available. Low Cost Per Gallon.

Clear Creek Environmental Solutions is a consulting and engineering firm dedicated to finding the most effective and innovative solutions for industrial wastewater management and site remediation. We specialize in Natural Systems including Phyto-Utilization™, Phyto-Cell™, WAIV™, and constructed wetlands. Visit our website and contact us today to see how we can improve your facility operations.