

# Living Water Environmental Wash Water Treatment System

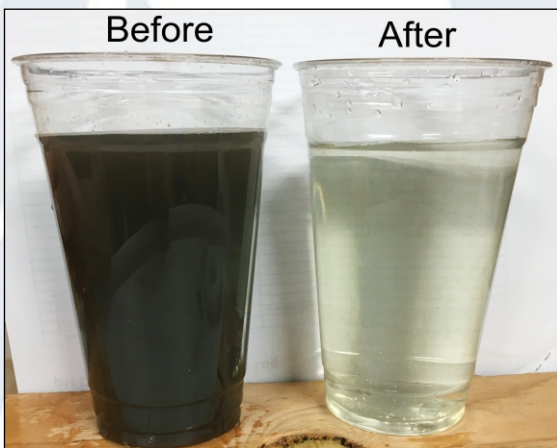
## The Challenge...

After being in the Wash Water Treatment industry for over 30 years, I have witnessed many unsuccessful water treatment system designs, so I challenged my engineering team to design and manufacture the most robust, efficient, cost effective and bullet-proof system on the market...

**I think we have achieved our goal.**

This system uses the most durable, corrosion resistant and reliable components on the market such as magnetic drive pumps. By choosing these components, it provides a very durable and trouble-free operation.

It's simple design requires little operator interface and a reliable platform of operation.



2-Step Acid Wash Water

Contaminant	Before	After	
Oil & Grease	115	5	mg/L
Arsenic	0.5	0.025	mg/L
Cadmium	0.75	0.015	mg/L
Chromium	0.88	0.007	mg/L
Copper	1.2	0.034	mg/L
Lead	0.76	0.025	mg/L
Molybdenum	0.1	0.074	mg/L
Nickel	0.92	0.115	mg/L
Selenium	0.09	0.025	mg/L
Zinc	12.57	0.67	mg/L
pH	2.3	7.52	pH Units

## The Process...

We have designed a system that simply breaks the emulsion of contaminants in water and a proprietary polymer thickens the coagulated contaminants. Contaminants such as dirt, oil & grease, insoluble organics and heavy metals are then removed through flotation. Micro-bubbles are generated in the water, causing the contaminants to float to the surface of the water. The sludge layer is then simply skimmed of using an automated sweep. We have eliminated all components and processes that can scale-up or fail prematurely in a wash water treatment system.

## Tyler Rental - Chehalis, WA

Tyler Rental is a large full-service equipment rental company that rents construction and lift equipment. The equipment is laden with dirt, organics, oil & grease. Pressure washers are used to clean the equipment prior to service and rental of the equipment. Degreasers are used to help with removal of dirt and oil & grease.

"Purchasing the Living Water wash water treatment system was the **best investment I have ever made in water treatment**. The treated water is consistently crystal clear and safe to either reuse or discharge to sanitary sewer. I highly recommend the LWE wash water treatment process to anyone who needs to treat their wash water. **IT JUST WORKS.**"

**Doug Amman**