

Treatment Technology Summary Sheet

Company Name:

Veolia – Crown Solutions

Website: <http://www.crownsolutions.com/>

Technology Name:

Aquamove – Mobile Water Treatment Solutions

Description, processes, and product volume:

- Aquamove RO Trailer – Pretreatment and RO, 100 to 300 gpm
- Aquamove Mobile ACTIFLO Trailer – clarification and chemical softening, 300 to 1,500 gpm
- Aquamove Mobile Discfilter Trailer – woven media filter for wastewater applications, 200 to 6,000 gpm

Waste Disposal

The Actiflo Turbo clarifier produces a waste stream of <2% from a maximum flow rate of 1,500 gpm. That stream consists of a sludge solids slurry of 2-3% depending on the type of application. It is all based on the total suspended solids loading at the water source. City water, well water, surface water, recycled water, waste water, etc... will all have different residuals of TSS. The Actiflo Turbo can process up to 2,500 ppm of TSS. The Disc Filter can process about 250 ppm of TSS. The solids waste stream from the Disc Filter is similar to backwash streams typical with Multi-Media Filters.

Typical disposal would consist of a temporary sludge thickener tank followed by chemical dewatering. The final step would incorporate some kind of belt or filter press to concentrate the dried sludge cake into a hopper. It can be disposed to a land fill, incinerator, or re-sold to land applicators for farming, fertilizer, etc... depending on its non hazardous content.

Power Requirements:

Footprint:

Most of our trailers require a single phase 120/1/60 or three phase 460/480/3/60 @ 60-100 amps. There isn't a great power demand for the Actiflo Turbo Trailers and virtually none for the Disc Filter. The greatest demand would be for the Reverse Osmosis Trailer pump skid.

49" x 26" x 34", 330 lbs

Estimated Cost:

- Actiflo Turbo lease rate: \$37,000/monthly
- Disc Filter lease rate: \$30,000/monthly
- Reverse Osmosis lease rate: \$20,000 to \$40,000/monthly, depending on flow rate and pretreatment equipment.

- Mob/Demob One-Time Fee: \$35,000 (one time) includes set up and tear down
- Abbreviated Operations: \$1,200 per day/per man + expenses
- Extended Operations: negotiated rate
- Hydrex Chemistry: price per lb.

System Availability:

First come, first serve. Can prepare and transport a mobile trailer/platform to a field site in 48-72 hours.

Notes:

Specifications included in PFD. **These units are only available for lease.**

We do not sell any of our mobile assets. We require three (3) month minimum lease periods with discounts for leases extending greater than one (1) year. Our program consists of a one-time “mobilization/demobilization fee. Included in that fee are technical training, safety training, set-up, start-up, commissioning, and tracking. We also offer an optional “Operations” service which includes on-site, licensed operators, technicians, field service engineers in the event that the end user does not have the available manpower to manage and operate the mobile trailers.