

# OWS Technology and Cost Comparisons

**Table 1. OWS operational comparison with competitive technologies**

Features	PetroLimiter	Flocculation	Centrifugal	Filtration
Handles pure oil	Yes	Yes	Yes	Yes
Destroys oil	Yes	No	No	No
Treats organic chemicals	Yes	No	No	No
Treats emulsions	Yes	Some	Some	Some
Minimal Hazmat	Yes	No	Yes	No
Adapts to various oils	Yes	No	No	No
No high speed equipment	Yes	Yes	No	Yes
Low recurring costs	Yes	No	No	No
Low maintenance	Yes	No	No	No
Seatrade award	Yes	No	No	No

**Table 2. Operational cost comparison**

	PetroLimiter	Competitor OWS	Competitor OWS
OWS System	PL 630M	Flocculation / Filtration	Centrifugal
Typical Flow (per day)	10 m <sup>3</sup>	10 m <sup>3</sup>	10 m <sup>3</sup>
Equipment & Supplies	\$16 / day	\$150 - \$270 / day	\$50 - \$110 / day
Waste Generated (per day)	0.11 m <sup>3</sup>	1.5 - 2 m <sup>3</sup>	0.4 – 0.6 m <sup>3</sup>
Disposal Costs (@ \$66/m <sup>3</sup> )	\$8 / day	\$99 - 132 / day	\$26 - 44 / day
Labor Hours / day (avg.)	0.5 hrs / day	2 - 4 hrs / day	1 - 1.5 hrs / day
Labor Cost/Day (@ \$50/hr)	\$25 / day	\$100 - \$200 / day	\$50 - \$75 / day
<b>Operational Cost (est.)</b>	<b>\$4.7 / m<sup>3</sup></b>	<b>\$30.0 to \$60.2 / m<sup>3</sup></b>	<b>\$12.6 to \$22.9 / m<sup>3</sup></b>

## Conclusions

- As shown above, the PetroLimiter OWS system has significant technical, environmental, and economical advantages over its competitors.
- The average operational cost of the PetroLimiter OWS ranges from **3 to 12 times less** than competitive OWS technologies.
- All of our competitors listed above (flocculation, centrifugal, filtration, membrane and adsorption) rely on replaceable filters to reach discharge limits.

