



System

Pro Clean Water is a low-tech, passive, gravity-fed filtration system. It is designed to reduce, or remove, hydrocarbons, chemicals, small suspended solids and heavy metals from wastewater, and ensure that pH is balanced to permit discharge into surface water run off or returned to source.

The system is both modular and mobile, allowing the decontamination of wastewater in, or around, the site compound, rather than have it transported to a specialist facility.

Scientifically Proven to be Effective

Laboratory trials for hydrocarbon, chemical and heavy metal reduction, using our SaveSorb medium have been conducted by Southern Water Services, Socotec and several US recognised test houses:

- Hydrocarbon and chemical reduction was shown to be >99.95% with a leachate of <0.06%
- Heavy Metal reduction was shown to be between >83% & 99.99%. with a leachate of <0.06%
- Designs for a Pro Clean Water have been completed and a 40' container prototype built



Spent SaveSorb

- SaveSorb is hydrophobic so when spent remains dry
- Currently dry waste should be considered hazardous and disposed of accordingly
- SaveSorb is non-leaching and encourages bio-remediation of contaminants
- Application should be made to DEFRA for permission to class used medium as non-hazardous

Delivery of Pro Clean Water

- Modular 10, 20 or 40' container units would be delivered to the site compound
- The systems' performance and renewal of the filtration medium should be monitored and undertaken by designated personnel

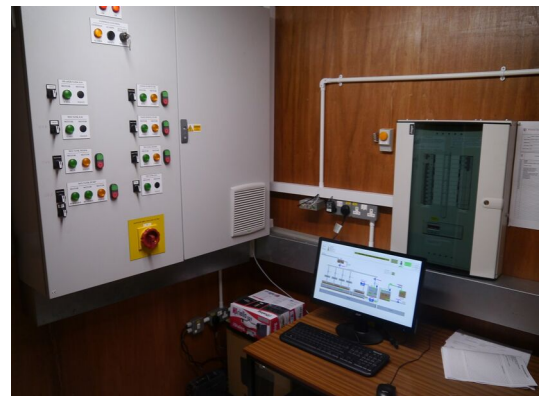
Commercial Benefits to Users

- Big money savings - tankering away and treatment of contaminated wastewater can cost in excess of £1,000 per 9,000 litres (small tanker)
- Environmentally friendly - low power requirements provided by solar wind or zero emissions generator
- Huge reduction of carbon footprint by treating waste on site
- Pro Clean Water can be rented for the duration of a project, no capex investment required



Additions

- it is possible to add selective auto-sampling, pH rebalancing, SCADA recording and reporting (4G) reporting facilities
- Solar wind or a zero emissions generator



Further information is available:

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