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PRESS INFORMATION

Breakthrough in Biological Treatment of Waste Water

First simple and automatic solution available for oil storage farms

Until the development of BPC's technology, there were no viable solutions for oily waste water in oil terminals. Biological treatments available were irrelevant, costly, cumbersome and difficult to operate.

BPC's (Bio-Petro-Clean) breakthrough biological process of waste water treatment is exceptionally flexible and accessible. BPC's solution is so automatic that operations are effort and trouble-free, and comply with environmental standards for reclaimed water ready to be returned to nature.

BPC's biological solution handles both fresh and salty water under all conditions. Furthermore, with its ease of use, it fits into any current process infrastructure.

The scientific concept behind the technology is to isolate the appropriate bacterial cocktail for a given type of polluted water. By using the principal of a chemostat, the process is kept in a steady state of bacterial growth and organic compound degradation.

Thanks to the low concentration of bacterial cells, no aggregates are formed, and each bacterium acts as a single cell which increases the surface available for the process and enables bio-degradation at a much higher efficiency.

The patented bio-process supports continuous flow without using activated sludge. The bio-reactor can thus be applied on site, with no need for shipping drainage water, and no leftover sludge – all this, while increasing operation efficiency.

BPC's solution can handle throughput at low and high capacities:

from 1-50 cubic meters per hour in an off the shelf solution with fast implementation to 100-5000 cubic meters per hour for heavy industries with tailor made implementation. ROI is measurably rapid, while satisfying increasingly strict environmental regulations.

BPC's technology was developed by the leading researchers in the field: Prof. Eugene Rosenberg, who now serves as Chief Scientist of the company and Prof. Eliora Ron who is the head of the European Microbiology Association.

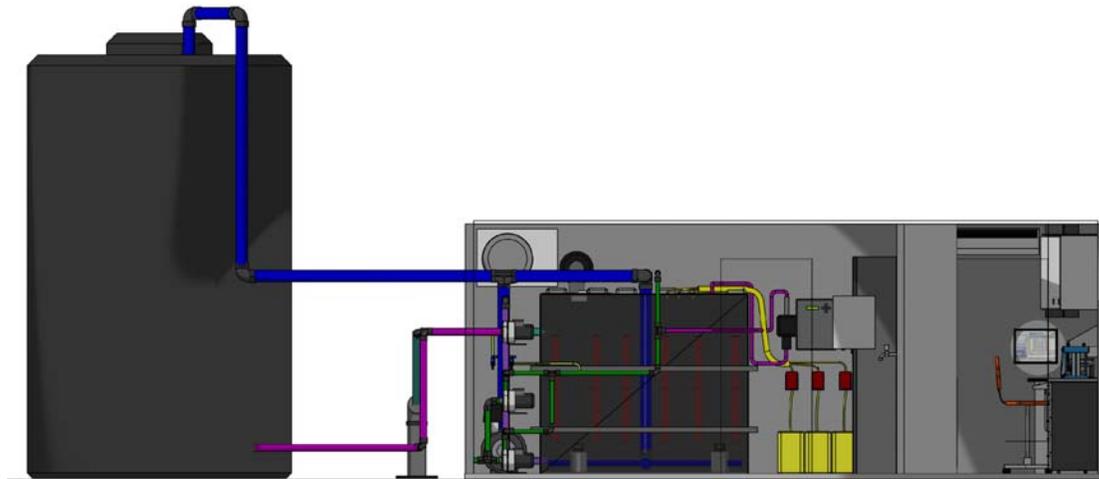


Figure 1: BPC Off the shelf system with extra tank – drainage water treatment system, packed in 20 foot container with all the control and automation attached to a standard tank to act as a modified bioreactor.

Advantages - Nature in the aid of Nature

Simplicity can be said to encapsulate BPC's process benefits. No chemicals are added and a natural solution is applied. The bio-reactor is flexible, handling various

contamination levels. Nitrogen is consumed. Finally, no sludge production saving up to 50 percent in operational costs.

An Inside Look

The fully automated system is comprised of a variety of automated on-line sensors which feed a control unit incorporating relevant parameters, such as TPH, nitrogen, pH, dissolved oxygen, TOC and temperature, depending on the site. The controller ensures that the process runs at the optimum speed. The system generates statistics and management reports. No special skills are required to operate the system; it can be set up as a standard project, **with** quick hassle-free implementation.

BPC's process is tailored to the site's specific physical characteristic and environmental challenges. After-sales support ensures the maintenance of steady state performance.

Status

BPC's project is already available in full scale at various sites, BPC's technology assures potential users that its solution is appropriate for storage farm waste water. BPC offers a product trial period to interested parties.

About BPC Ltd.

BPC directly addresses the challenges facing various industries and installations today: waste water treatment. Led by a world-respected scientist in biological treatments, BPC has developed a breakthrough balanced bio-process (ACT) that, for the first time, results in a virtually pure output that can be directly returned to nature. With several of its key technologies and elements patented, the BPC process transforms water treatment into a significantly more efficient, economical and ecologically friendly process. It can be



applied across a wide range of sites: from oil refineries and oil storage farms to drilling sites, marine ports, side streams water, reservoirs and similar locations.

For further information please visit our website at www.biopetroclean.com

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