

The OILSORB Organoclay protects a RO unit, a case history.

Cost savings substantial.

The Oilsorb Organoclay Case History Problem

An aircraft component manufacturer installed a wastewater treatment system that consisted of a reverse osmosis (RO) system, preceded by an oil skimmer. The purpose of the RO unit was to remove salts from the water, allowing for recycling. Due to the oil that remained after the skimmer, the membranes fouled frequently, resulting in cleaning costs of \$36,000 per year plus process down time. The frequent cleaning cut the four year life span of the membranes to two years, resulting in an additional bi-yearly expense of \$44,000 for membrane replacement.

The Case History Solution by Biomin

To eliminate this costly problem, the client worked with Biomin company and installed a standard adsorber filled with 1,000 lb of organically modified clay called Oilsorb, manufactured by Biomin, ahead of the RO unit. This system cost \$5,000 to install. The Biomin installed adsorber reduced the oil to non-detect. Instead of cleaning the membranes every other day due to oil contamination, they are now cleaned every 30 days. The Oilsorb organoclay is the best available technology to remove trace oils from water. Cleaning costs have been reduced to \$2,400 per year, a \$33,000 yearly savings. Annual membrane replacement costs have been slashed in half, to \$4,250. The Oilsorb organoclay is replaced once a year at a cost, including replacement, of \$3,000. Instead of paying the yearly expense of membrane cleaning and membrane replacement cost of \$44,500 the operator now pays \$9,650 per year, a 78% savings.

Biomin Can Help You

Biomin technology has helped many clients. Removing oils has helped activated carbon users to extend their service life up to 10 times. George Alther, Biomin president, will provide a short course on "Organoclay Extends the Life of Activated Carbon" October 18, 2006 before the 18th International Activated Carbon Conference in Pittsburgh, PA on October 19-20, 2006.

Call BIOMIN, Inc. for further information.

George Alther, President

[Biomin, Inc.](#)

P. O. Box 20028

Ferndale, Michigan 48220

Phone: (810) 544-2552

Fax: (810) 544-3733

E-mail: Biomin@aol.com

Web Site: <http://biomininc.com>