

# Bioremediation Products



## Reduction of TPH in Drilling Mud

A drilling company generated large volumes of diesel-based drilling mud contaminated with crude oils. High disposal costs and requirements to reduce total petroleum hydrocarbon (TPH) values below one percent mandated evaluation of various treatment technologies.

A field trial was initiated using a slurry reactor. Twenty cubic meters of drilling mud were mixed with water and M1000H\* microbes to create a slurry of 38% solids. The slurry was pumped through a mud tank containing a series of baffles and weirs. The first trial ran for 30 days; clean-up objectives were met in 25 days. After mechanical modifications to the reactor, a second trial was conducted. The second trial met the requirements in 20 days. Total estimated cost for this treatment process was \$35.00 per cubic yard.

