

*The*  
**MITBE PROBLEM**  
*has finally come to this.*  
**A PROVEN SOLUTION.**

**What About MTBE?**

Growing concerns and litigation involving MTBE-contaminated soil and groundwater call for a fast, effective remediation solution. Results of aerobic bioremediation with Petrox 1, a product of CL Solutions, shows that rapid, cost effective cleanup is possible.

### The MTBE Problem Is Sinking In .

MTBE (methyl tertiary-butyl ether), an additive in oxygenated gasoline, continues to be widely relied upon for its role in cleaner-burning gasoline and reduced carbon monoxide air pollution. TBA (tert-butyl alcohol) is a byproduct from the degradation of MTBE. Both compounds are particularly difficult contaminants for groundwater because they are selectively extracted from the gasoline into water. In addition, the oxygenated compounds travel more rapidly in soil than the hydrocarbon components of gasoline, thus contaminating a wider, deeper area.

### CL Solutions Introduces Petrox 1

CL Solutions, the world's leading specialist in aerobic bioremediation technology application, has developed Petrox 1, an aerobic bioinoculant proven effective against MTBE, TBA and gasoline.



### Petrox 1: Life on the MTBE Job.

Petrox 1 consists of multiple, live strains of Pseudomonas bacteria and contains a guaranteed minimum of  $6 \times 10^8$  colony-forming units (CFU) per mL of water. The patented bacterial strains in Petrox 1 are selectively bred to exhibit extremely versatile pathways for the degradation of MTBE and many other petroleum hydrocarbon contaminants.

### Florida Case: 1700 ppb to 0 ppb in 7 Months

Field data from an MTBE cleanup in Dunedin, Florida revealed the rapid success illustrated in the graph below. Reduction of other contaminants was also noted.

