

Bioremediation with CL-OUT™ and Petrox™.

CL Solutions' products, CL-OUT™ and Petrox™, contain a highly concentrated solution of live, multiple patented strains of lyophilized (freeze-dried) Pseudomonas organisms. Extracted from a once-contaminated site and isolated under laboratory condition, these "hungry bacteria®" have only one purpose in life: to seek and destroy contamination at its source, and then quickly convert it to harmless, naturally recyclable by-products. These cultures occur naturally in the earth's ecosystem, are free of pathogens, and involve no artificial mutation or genetic engineering.

The Proof Is Here. And Out There.

Since 1997, CL Solutions' products have been used throughout North America in the remediation of sites contaminated with petroleum hydrocarbons and chlorinated solvents, including auto service stations, dry cleaning facilities, military bases, manufacturing plants, printing operations and others. Consider the following selected examples:

• MTBE Clean Up: Dunedin, FL

Field data revealed reductions of MTBE from 1,700 ppb to 250 ppb in just two weeks. Within about 4 months, MTBE levels were reduced to 31ppb. After 7 months, the MTBE levels were 0 ppb.

• BTEX Ground Water Contamination:

Cost-effectively treated with two applications of Petrox™.

| | Pre-Treatment | Post Treatment 1 | Post Treatment 2 |
|---------|---------------|------------------|------------------|
| Toluene | 1,198ppb | 515ppb | 3.7ppb |
| Xylene | 2,408 ppb | 690 ppb | 16.4 ppb |

Note: There was a slight rebound in Xylene to 23.8 ppb, and a third inoculation will be implemented to finish the treatment.

• PCE Ground Water Contamination Dry Cleaner – Kentucky, USA

CL-OUT™ was used for remediation of ground water at an active dry cleaning operation. After less than one year of treatment, more than 90% reduction in VOC concentrations had been achieved. After two years of bioremediation and post-closure monitoring, the property has received "No Further Action" (NFA) status from the Kentucky Department of Environmental Protection.

Effectiveness of CL Solutions' products has been proven through dozens of unique, real-world applications, each documented and supported by continuous monitoring and results reporting. In all cases, post-treatment studies indicated dramatically reduced, and often completely eliminated, contamination levels – with no rebound of contaminants or generation of toxic daughter products.