

Cleanup contaminations of past  
For a kinder, gentler tomorrow

## HydroRemed

- Acts on free product
- Reduces BTEX in water
- Pre-treat the ground water before passing through the carbon filter/oil water separator
- Reduces VOC at the source
- 1 gallon treats about 10 gallons free product
- Short remediation time
- Injected directly in the ground water where approved
- Available in 1 Gallon, 5 gallons

First Systems is a proud distributor of  
**Sarva Bio Remed, LLC Products**

## Advantages of HydroRemed

- Available in a ready-to-use liquid form.
- Effective on free product
- Non-intrusive treatment
- No waste for disposal
- Environmentally safe
- Low energy approach
- Complete solution

### Partial List of Customers:

1. Liberty Environment, PA
2. Wingfield Environment, TN
3. ATC Environment, NY
4. Alliance Environment, PA
5. McCallum Laboratories, VA
6. Total Environmental, VA

## HydroRemed

**Disclaimer: HydroRemed aka SpillRemed is on the US EPA's NCP Product Schedule. This listing does not mean that EPA approves, recommends, licenses, certifies or authorizes the use of SpillRemed (Marine)<sup>®</sup> on an oil discharge. This listing means only that data have been submitted to the US EPA as required by subpart J of the National Contingency Plan 40 CFR Section 300.915**

# HydroRemed

## Treatment of Free Product In Ground Water



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# HydroRemed

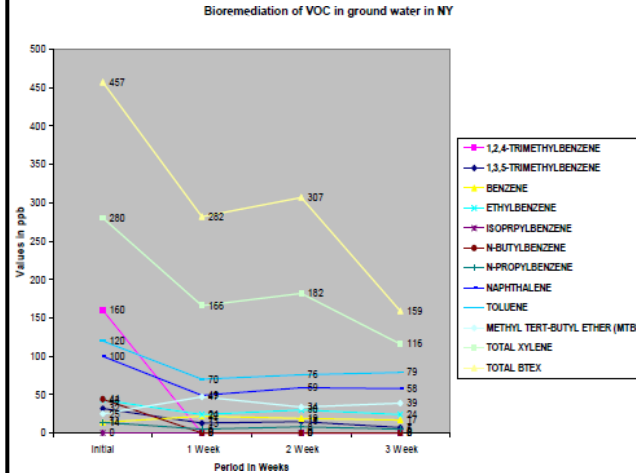
## Injection in Ground water at NY

At one site in New York City, Ground water below a building at a busy intersection showed free product. It was not possible to remove the free product by other available products/technology. After discussions with NY DEC, it was decided to inject HydroRemed directly in the ground water. Five injection wells were installed for injection of ground water as seen below.



On site Groundwater treatment in New York City

Ground water was 20 ft deep and low in oxygen, HydroRemed was saturated with air for 12 hours before injection. Results of VOC after three weeks showed appreciable reduction in levels of VOC as seen in figure below.



## Do bacteria survive in Ground water?

Data collected in VA confirmed that weekly addition of aerated HydroRemed was necessary for ground water with depleted in oxygen levels for effective bioremediation.

## What happens to bacteria?

Once the oil is consumed, bacteria in HydroRemed die a natural death due to non-availability of food.

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### Benefits of HydroRemed

- Bioremediation of free product:/Oil
- Reduces BTEX in water
- Pump & Treat of ground water
- Treatment in-situ and ex-situ
- Safe and cost effective
- AgroRemed to treat the impacted soil
- HydroRemed treats free product

### Our Other Bioremediation Products

#### AgroRemed

For contaminated soils

#### VaporRemed

For elimination of fumes

#### BilgeRemed

Ship board treatment of oily bilge water

#### SpillRemed (M)

Marine open water spills and shoreline cleanup

#### SpillRemed (Industrial)

For onsite treatment of industrial waste oil