

# DeepEarth Technologies, Inc.



Cool-Ox<sup>®</sup>



**DeepEarth Technologies, Inc. was chartered in 2003 to bring new innovation in chemical oxidation to the environmental remediation marketplace.**

**Unlike most companies that simply sell products, DTI is a total turn-key operation offering:**

- **Proven Technology**
- **Experienced Personnel**
- **Innovative Application Machinery**

**Resulting in:**

- **Economical life cycle costing**
- **Accelerated Site Closures (NFA Tombstone Remedies)**



- **Green** In-situ and Ex-situ Oxidation technology leaving no harmful by-products
- Treats both soil and groundwater in place
- Uses food grade chemical oxidants
  - Clean Hydrogen peroxide,  $H_2O_2$
- Provides nutrients to support biodegradation for polishing
- Most Important – **Destroys Contaminants**



- **Eliminates Odor**
- **No Heat Generation**
- **No Corrosion**
- **Real Time Characterization**
- **Long-term Oxidation (> 90 days)**
- **Sustained Bioremediation**
- **Free Phase Destruction**
- **Produced Water (SAR Mitigation)**

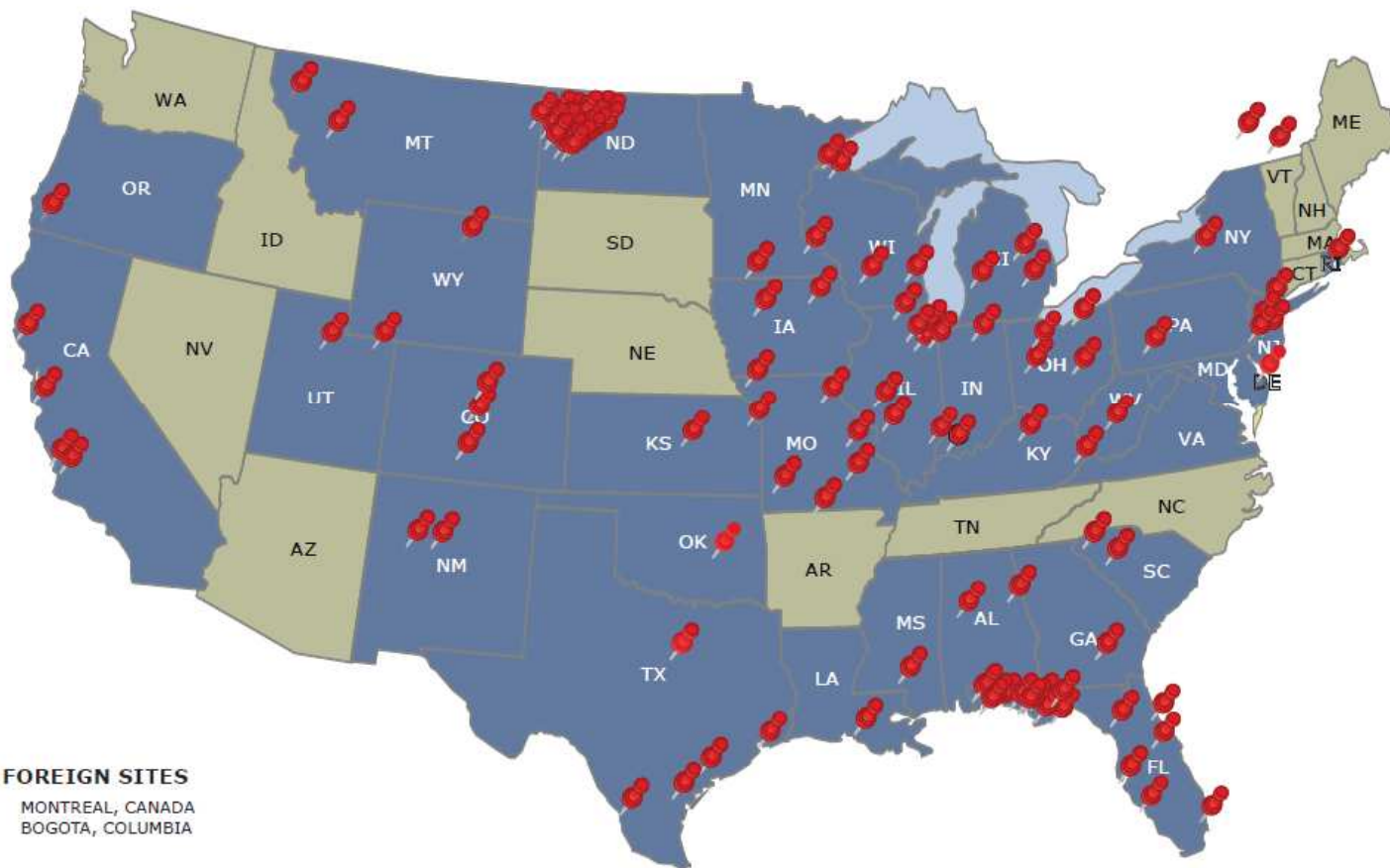


## ***What We Have Treated***

- Free Product (NAPL)
  - BTEX
  - Coal Tars
  - Vinyl Chloride & DCE
  - Chlorobenzenes
  - PAHs
  - Creosote
  - Jet Fuel
  - Gas Condensate
  - Fuel Oil (GRO/DRO/TPH)
  - Herbicides
  - Pesticides
  - Pentachlorophenol (PCP)
  - Dioxins
  - Chlorinated Solvents
  - PCBs
  - Ethylene Dibromide (EDB)
- And now Brine



## Site Locations



### FOREIGN SITES

- MONTREAL, CANADA
- BOGOTA, COLUMBIA

### LEGEND



STATES TREATED WITH COOL-OX TECHNOLOGY



DEEPEARTH TECHNOLOGIES INC. SITE CLOSURES - AND PENDING CLOSURE



## **Why is the method of delivery in the field so important?**

- Contact Sport!
- The oxidant and contaminant must meet for a chemical reaction to occur.
- Proper application is vital to a successful remedial project.
- Nothing beats Know-How!**

**DeepEarth  
Technologies, Inc.**

# **The Deep-Shot™ Rig**



***Formulating – Mixing - Pumping***

**Cool-Ox®**





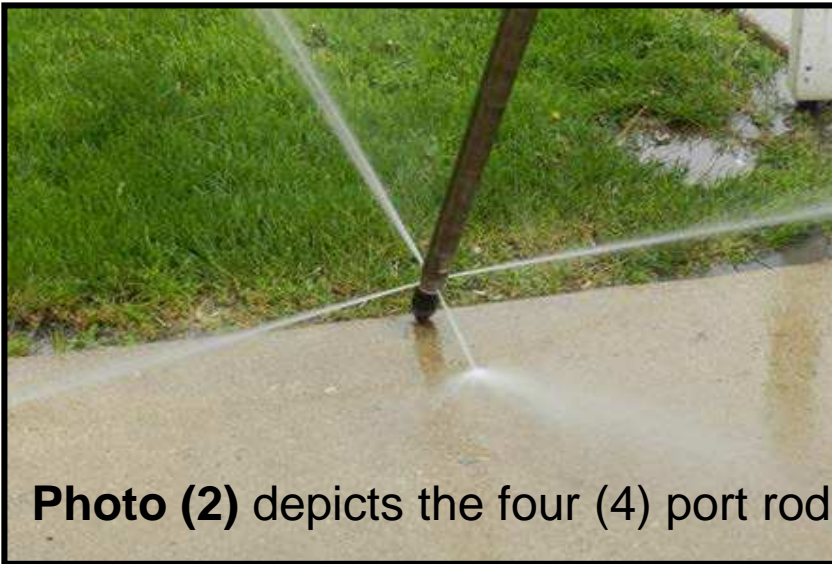
*Direct Push (DPT)*



*Hydro-Dart*



**Photo (1)**, on the left, depicts the rods designed with 1/8" orifices and the rods designed with the 3/32" orifices.



**Photo (2)** depicts the four (4) port rod.



**Photo (3)** depicts the six (6) port rod.



*Track Hoe*



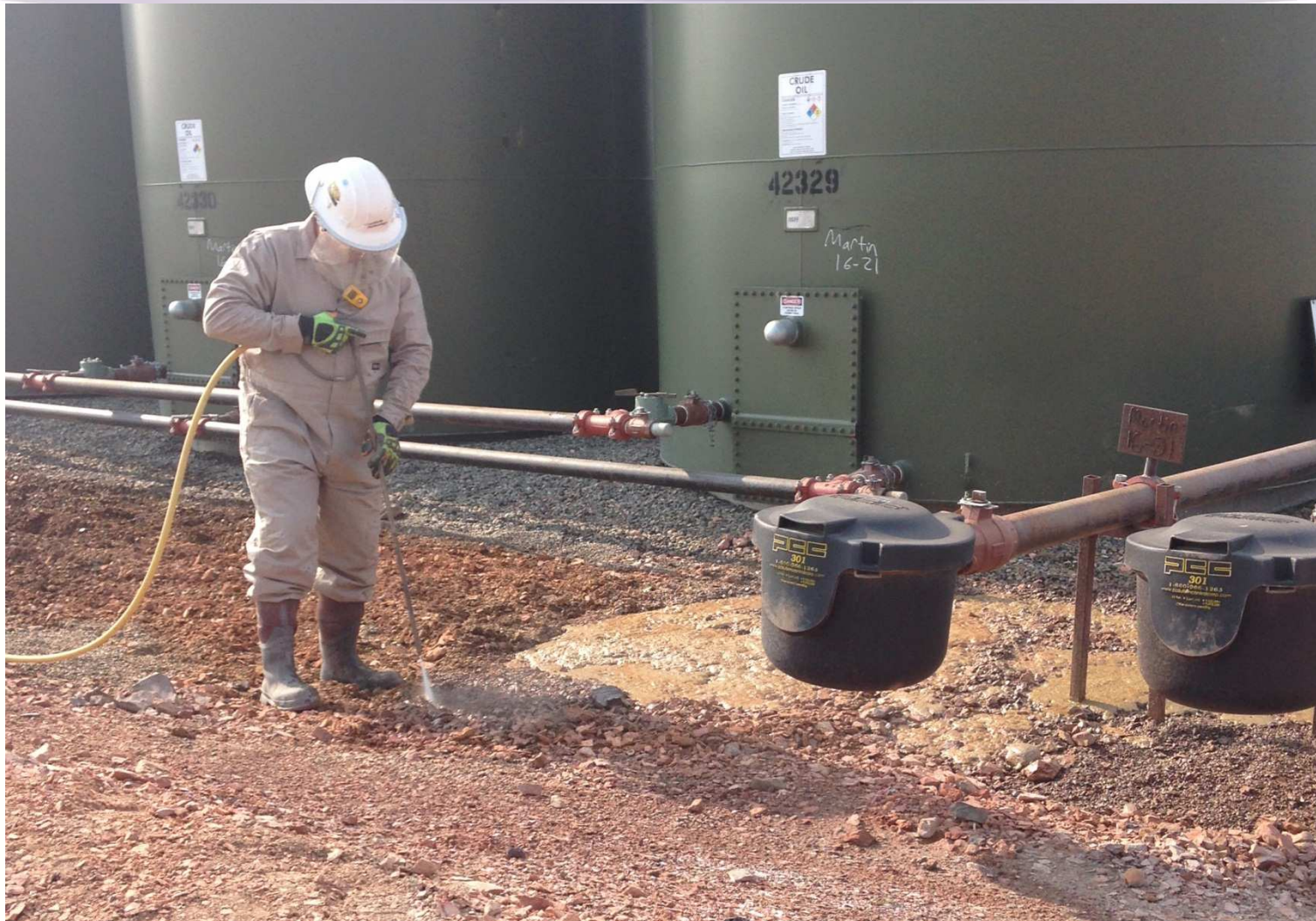
*Grizzly*



*Twister*

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## **ND Tank Battery Application**



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# Well Blow Out Treatment



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# Treating Both Brine & Hydrocarbons



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**Questions?**



***Thank You !***

***Bill Lundy***

***DeepEarth Technologies, Inc.***

***www.deepearthtech.com***

**Remember Total Green**



**Cool-Ox<sup>®</sup>**