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Source: Adventus Group

## **Photo Release -- Groundwater Bioremediation Product: A-SOX, The Easiest Deep Plume and Routine Deployment of Integrated Carbon, ZVI and Nutrients**

### **Affordable, Effective Socks for Stimulating Anaerobic Biodegradation in Groundwater Wells**

BOSTON, Feb. 15, 2008 (PRIME NEWSWIRE) -- Adventus Group, a global environmental biotechnology enterprise, announced the introduction of A-SOX(tm) for groundwater well treatment of organic constituents amenable to anaerobic biodegradation processes. Designed by field engineers as a time and money saving innovation, this delivery system is most conducive to physically challenging situations where a readily biodegradable carbon source and reduced iron are needed to induce in-situ chemical reductions (ISCR) of targeted compounds such as chlorinated solvents, energetics, and pesticides.

A photo accompanying this release is available at <http://www.primenewswire.com/newsroom/prs/?pkgid=4732>

Application is for stimulation of anaerobic biodegradation of groundwater contaminants using EHC(r), which is deployed in the wells with the A-SOX(tm) delivery system. EHC is a proprietary, field-proven compound containing a long-term source of controlled-release carbon, ZVI and nutrients.

Benefits of EHC(r):

- \* ISCR science promoting biotic, abiotic, thermodynamic and degradation mechanisms.
- \* Readily biodegradable Hydrogen donor.
- \* Unique mode of action does not require use of specialty microorganisms.

Benefits of the A-SOX(tm) Delivery System:

- \* All field proven benefits of EHC.
- \* Substantial time savings on the job.
- \* Reusable stainless steel canisters easy to insert and retrieve.
- \* Ease of determining exact depth at which the product is deployed.
- \* Socks and canisters available for 2" and 4" wells.
- \* Up to three canisters may be suspended in-line to lengthen the active zone.
- \* Even distribution of active material over the length of the



The Easiest Deep Plume and Routine Deployment of Integrated Carbon, ZVI and Nutrients. Affordable, effective socks for stimulating anaerobic biodegradation in groundwater wells.

canister(s) because the socks do not collapse or bunch up.

#### Frequently Asked Questions:

- \* How much do they cost?  
2-inch A-SOX cost \$120 and 4-inch A-SOX cost \$160. Volume discounts may apply. Recover the canister cost in your first installation!
- \* Why should field contractors use A-SOX technology?  
A superior product, designed by people who do the work. The design and ease of application immediately translates into greatly reduced field time and frustration, which means reduced project costs.
- \* Is it easy to switch to A-SOX technology?  
Yes. EHC-A has been accepted by numerous state regulatory authorities, and has been employed throughout the USA and Europe.
- \* How long do they last?  
A-SOX have longevity of approximately 250 days, but replacement on a longer or shorter schedule can be optimized based on monitoring results. Various site-specific factors will influence effective lifetime of the A-SOX cartridge; mainly i) constituent type and concentration, and ii) hydrogeological features (groundwater flow rate, Eh, pH, temperature).
- \* Do I need to install new wells?  
No. A-SOX technology is designed to fit standard 2-inch and 4-inch diameter groundwater monitoring wells. The canisters have an outside diameter of 1.75 inches for the 2-inch size and 3.5-inches for the 4-inch size.
- \* Where are they primarily used?  
SOX can be used in existing or newly-installed wells, either in natural or forced gradient flow systems.

#### Adventus Group -- Environmental Biotechnologies for the 21st Century

Adventus Group provides a growing portfolio of leading environmental remediation technologies, including patented offerings from Adventus Americas Inc., and EnviroMetal Technologies. Our business model supports site owners, environmental engineers, regulators and consultants by providing unbiased design, and selection of the most cost-effective remediation strategies.

Adventus exclusively offers DARAMEND(r), EHC(r) and related ZVI technologies for In Situ Chemical Reduction (ISCR) along with TERRAMEND(r), AQUABLOK+(tm), EHC-O(tm), A-SOX(tm), O-SOX(tm), and mGCW-R(tm) systems to address myriad soil, sediment and groundwater impacts. To learn more, call 888.295.8661. Or visit online: [www.AdventusGroup.com](http://www.AdventusGroup.com)

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The photo is also available at Newscom, [www.newscom.com](http://www.newscom.com), and via AP PhotoExpress.

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