OSWER Nanotechnology Activities

Nanotechnology and OSWER: New Opportunities and Challenge
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OSWER Update

Potential implications of nanotechnology
Applications for site remediation
October 2005 Workshop
Outreach and Publications
Nanotechnology for Site Remediation

Potential applications include *in situ* injection of nanoscale zero-valent iron particles into source areas of groundwater contamination

Contaminants
- Chlorinated hydrocarbons
- Metals
- Pesticides

Over 15 field scale studies

Nano Iron Slurry
Workshop on Nanotechnology for Site Remediation

Held October 20-21, 2005
Purpose:
- Present latest research results
- Conduct breakout sessions to discuss issues and develop recommendations
- Stimulate increased collaboration

Proceedings and presentations:
http://www.frtr.gov/hotnew.htm

Outreach and Publications

Issues area on CLU-IN website:
http://clu-in.org/nano
Workshop and Symposium proceedings
Upcoming products on the use of nanotechnology for site remediation:
- Database of site work
- Fact sheet