

US EPA ARCHIVE DOCUMENT

OSWER Nanotechnology Activities

**Nanotechnology and OSWER:
New Opportunities and Challenge**
July 13, 2006

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OSWER Update

**Potential implications of
nanotechnology**

Applications for site remediation

October 2005 Workshop

Outreach and Publications

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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

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Nano Iron Slurry



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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>

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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

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