



Fw: [techdirect] TechDirect December 1, 2009
William Sette to: Angela Nugent

12/02/2009 09:00 AM

This is the clu in monthly email, which I thought you should have. In my experience, it's a great and unique resource that the SAB might consider as a model.

Bill

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----- Forwarded by William Sette/DC/USEPA/US on 12/02/2009 08:59 AM -----

From: Jeff Heimerman/DC/USEPA/US@EPA
To: William Sette/DC/USEPA/US@EPA
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Subject: [techdirect] TechDirect December 1, 2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

TechDirect, December 1

TIP's News Corner:

- [Courses & Conferences](#)
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Welcome to TechDirect! Since the November 1 message, TechDirect gained 381 new please share TechDirect with your colleagues. Anyone interested in subscribing may d TechDirect are archived there. The TechDirect messages of the past can be searched

TechDirect's purpose is to identify new technical, policy and guidance resources relate sediments and ground water.

Mention of non-EPA documents or presentations does not constitute a U.S. EPA endorsement of their contents, only an a TechDirect audience.

> Open Solicitations

AFCEE Broad Agency Announcement (BAA) Open for FY10. The Air Force Center for Engineering and the Environment reduce environmental impacts from current and past Air Force operations and apply to Air Force installations worldwide. The innovative, energy efficient, and cost-effective technologies for the site characterization, remediation, and accelerated closure. Prevention, Military Munitions Response Program (MMRP) areas for complying with all applicable regulatory requirements advanced, efficient, effective, environmentally friendly, and cost-effective solutions than are currently available. Such technologies reaching the remedy-in-place (RIP) goal or optimizing current remediation, monitoring, or other systems already in place, and hazardous materials. Phase I submittals must be submitted online no later than 4:00 PM CST, December 8, 2009. View the BAA synopsis at <https://www.fbo.gov/spg/USAF/AFMC/HQAFCEE/AFCEEBA08-001/listing.html> .

SERDP Core and SEED Solicitations. The DoD Strategic Environmental Research and Demonstration Program (SERDP) announced on October 29, 2009. Funds are available through a competitive process to both federal and private organizations to perform research projects that vary in cost and duration, consistent with the scope of the work proposed. Federal organizations respond to the FY10 Broad Agency Announcement (BAA). For the Core solicitation, pre-proposals from the non-federal sector are due January 15, 2010. The SEED Solicitation is designed to provide a limited amount of funding, not to exceed \$150,000 in total cost and approximately \$50,000 in work that will investigate new environmental approaches that entail high technical risk and/or have minimal supporting data. View the call for proposals and respond to the BAA. All SEED proposals are due March 11, 2010. View the call for proposals and respond to the BAA.

> Upcoming Live Internet Seminars

The Regional Emergency Operations Center (REOC) - December 2, 2009, 1:00PM-3:00PM EST (18:00-20:00 GMT). This webinar will discuss the function and operation of the Regional Emergency Operations Center (REOC). The REOC webinar is aimed at Response Center (RC) Headquarters. The webinar will begin with background information on EPA's National Approach to Response, National Incident Management System (NIMS), and the REOC. The webinar will then focus on how REOCs are set up and how they function, including the (1) characteristic features of the REOC, (2) types of information and products developed in the REOC, and (3) types of REOC activations that RSCs can expect. The REOC and Working Within the REOC course to be given at the OSC Readiness Training Program in February 2010. For more information, see <http://www.epa.gov/epaospr/oc/reoc/> .

Superfund Research Program Strategic Planning - Your Input for Future Directions - December 7, 2009, 2:00PM-4:00PM EST. The Superfund Research Program (SRP) funds basic and applied research addressing health effects, risk assessment, detection and remediation of hazardous waste. The SRP is undergoing a strategic planning process to develop a framework for prioritization of activities over the next 5-10 years and to receive input from SRP's stakeholders about the future direction of the Program. The session will focus on questions addressing the scope of SRP science, training, translation, and outreach. We encourage participation by official representatives of local, state, tribal governments, non-profit organizations, universities, and practicing environmental professionals. For more information and to register, see <http://clu-in.org/live> .

ITRC In Situ Bioremediation of Chlorinated Ethene - DNAPL Source Zones - December 8, 2009, 2:00PM-4:15PM EST. The use of chlorinated ethenes in groundwater using in situ bioremediation (ISB) is an established technology; however, its use for DNAPL source zones is limited. The ITRC Technical and Regulatory Guidance document In Situ Bioremediation of Chlorinated Ethene: DNAPL Source Zones provides information to the community, stakeholders, and practitioners with the general steps practitioners and regulators can use to objectively assess and manage DNAPL source zones. For more information and to register, see <http://www.itrcweb.org> or <http://clu-in.org/live> .

Perchlorate: Concern About Environmental Exposures, Thyroid Homeostasis, and Developmental Impacts - December 8, 2009, 2:00PM-4:15PM EST. Perchlorate contaminates important sources of drinking water in California and nationally. It inhibits the uptake of iodide into the thyroid gland, which in turn inhibits the production of thyroid hormone. Small changes in maternal thyroid hormone are associated with significant decreases in IQ. As well, small changes in thyroid hormone are associated with increased cardiovascular risk. Perchlorate has been shown to block iodine uptake into the thyroid gland and cause a reduction in thyroid hormone production. The effect occurred only at very high doses of perchlorate. Recently however, several epidemiologic studies have provided evidence that perchlorate in drinking water sources in the U.S. might also impact thyroid hormone production. These studies suggest that these impacts primarily in children. Many studies have missed these effects because these groups were not specifically evaluated. Potential susceptible groups include pregnant women, infants, and those who consume foods with other iodine uptake blockers like thiocyanate. Given the large number of people exposed to perchlorate and the health effects associated with even minor reductions in thyroid hormone levels, the new evidence linking low levels of perchlorate to thyroid dysfunction has significant public health implications. For more information and to register, see <http://clu-in.org/live> .

> New Documents and Web Resources

DoD Vapor Intrusion Handbook. This handbook was developed by the Tri-Service Environmental Risk Assessment Workgroup (RPMs) who may need to investigate the vapor intrusion pathway at Department of Defense (DoD) sites. The Tri-Service Workgroup includes the Army, and Navy, with the Department of the Navy (DON) including both the Navy and the Marine Corps. This handbook was developed for use at Air Force, Army, Navy, and Marine Corps bases, as well as Formerly Used Defense Sites (FUDS). The handbook is intended to support investigations under the Defense Environmental Restoration Program (DERP). Both residential and occupational exposures to vapor intrusion (January 2009, 171 pages). View or download at

<https://www.denix.osd.mil/portal/page/portal/content/environment/cleanup/WN/DoD%20VI%20Handbook%20Final%20Jan09>

Review of Best Practices, Knowledge and Data Gaps, and Research Opportunities for the U.S. Department of Navy research and development on reducing high costs and uncertainties of VI assessment strategies, the objective of this report is to identify current and future research into new strategies and techniques. This study was supported by the Navy Environmental Sustainability Program (NESP) of the study on Improved Strategies for Assessment of Vapor Intrusion, under direction by the Space and Naval Warfare (SPAWAR) (download at <http://www.spawar.navy.mil/sti/publications/pubs/tr/1982/tr1982cond.pdf> .

National Contingency Plan Product Schedule. Subpart J of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) lists dispersants, other chemicals, and oil spill mitigating devices and substances that may be used to remove or control oil discharges. This document provides criteria for listing and managing the use of dispersants and other chemical and biological agents used to mitigate oil spills. (October 2009, 19 pages). View or download at http://epa.gov/emergencies/content/ncp/product_schedule.htm .

EUGRIS Corner. New Documents on EUGRIS, the platform for European contaminated soil and water information. More documents are available on EUGRIS 1 - 24 November, 2009. These can be viewed at <http://www.eugris.info/whatsnew.asp> . Then select the appropriate category. The following reports were featured on EUGRIS:

Proceedings of the Green Remediation Conference, Copenhagen, Denmark November 2009. Sustainable approaches to remediation are needed for the future. The objective of the Green Remediation Conference is to improve the awareness of green remediation solutions among stakeholders, policy drivers, decision support tools, and sustainable remediation technologies. View or download at: <http://www.polytec.com>

Report of the NICOLE Workshop: Sustainable Remediation - A Solution to an Unsustainable Past? 3-5 June 2009, The workshop was held to find a greater understanding of what sustainable remediation is and can achieve. The workshop explored what might be needed for contaminated land management, and considered how sustainability can be included in contaminated land management. The workshop produced a road map about the process of using sustainability in contaminated land decision making and checklists to provide technical advice. The workshop also produced suggestions of possible sustainability criteria or factors (indicators) and available tools and techniques in the literature or currently in use. The workshop is collaborating closely with SURF and SURF-UK and developing links with the Common Forum to try and develop an international network. What should be achieved View or download at: http://www.nicole.org/documents/stream.aspx?o=2&fn=NICOLE_Docs_250.pdf

> Conferences and Symposia

Partners in Environmental Technology Technical Symposium & Workshop, Washington, DC, December 1-3, 2009. The workshop is part of the Environmental Security and Technology Development Program (SERDP), DoD's environmental science and technology program, and the Environmental Security and Technology Development Program attendees: (1) plenary session speakers offering key insights into environmental issues; (2) concurrent technical sessions on environmental issues; (3) poster sessions featuring more than 400 technical presentations; (4) networking opportunities in related research programs; (5) networking opportunities with more than 1,000 environmental professionals; (6) a plenary session providing a summary of SERDP and ESTCP funding opportunities to conduct research and demonstrations. For more information, visit <http://www.serdp-estcp.org/symposium2009/> .

Green Cleanup Symposium, Philadelphia, PA, February 10-11, 2010. This symposium is a collaborative effort of the U.S. Environmental Protection Agency, Pennsylvania Department of Environmental Protection, City of Philadelphia, US Army Corps of Engineers, Wildlife Habitat Council, and the States of New Jersey and Pennsylvania. It will bring together policy makers and the nation's leading thinkers on green cleanup and revitalization of waste sites to discuss: The ABC's of Sustainable Remediation Practices; Cutting-edge Analysis and Tools for Long-term Cleanups; Initiatives Promoting Renewable Energy on Cleanup. For more information and to register, see: <http://drexel.edu/cities/greencleanupsymposium.html> .

Vapor Intrusion Pathway: A Practical Guideline ITRC 2-day Classroom Training, Norfolk, VA on March 22-23, 2010 will be held at three locations in 2010: Norfolk, Virginia (March 22-23); Boston, Massachusetts (area) (July 12-13); Atlanta, Georgia (October 12-13). ITRC classroom training will enable you to learn the latest strategies to conduct site screening and investigations; determine the results; apply multiple lines of evidence to ensure quality decision-making; build solutions for VI issues through understanding the experiences of other professionals dealing with this interdisciplinary and complex pathway. Interactive learning with hands-on exhibits, classroom exercises, and case studies will help you meet course objectives and contribute to a practical understanding of this difficult pathway. For more information and to register, see: <http://www.itrcweb.org> .

Call for Abstracts!! ConSoil 2010 - Management of Soil, Groundwater, and Sediment, Salzburg, Austria, September 20-22, 2009 is a 3-day programme of the ConSoil conferences. The themes of ConSoil 2010 reflect the latest topics in the management of soil, groundwater, and sediment. It will exchange news and knowledge between: scientists, policy makers, consultants/service providers, administrators, site owners, regulators, banking and insurance companies. The conference language will be English. Abstracts are due by December 21, 2009. For more information and to submit an abstract see, <http://www.consoil.de> .

Call for Abstracts!! Remediation Technologies Symposium 2010 (RemTech 2010) will be held at the **Fairmont Banff Springs Resort, Banff, Alberta - October 20-22, 2010**. The Environmental Services Association of Alberta is focusing on technologies for the remediation of contaminated soil. The preliminary selection of papers and presentations will be made by the speakers and peers. Abstracts should be no more than 500 words and should include a presenter biography (bio not part of the word count). For more information and to submit an abstract see, <http://www.esaa-events.com/remtech/call2010.htm> .

NOTE: For TechDirect, we prefer to concentrate mainly on new documents and the Internet live events. However, conferences and courses can be regularly posted. Currently there are 76 conferences and courses featured. We invite speakers and authors to submit their abstracts to techdirect@clu-in.org . Likewise, readers may visit this area for news of upcoming events that might be of interest. It all starts with you! For more information see <http://clu-in.org/courses> .

If you have any questions regarding TechDirect, contact Jeff Heimerman at (703) 603-7191 or heimerman.jeff@epa.gov . For more information see <http://clu-in.org/techdirect> . Remember, you may subscribe, unsubscribe, or change your preferences at any time night or day. For more information see <http://clu-in.org/techdirect> .

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