

SABR News

A Publication for the Brownfield Interested Party List

October 2010

2010 CP Annual Training



The VAP will hold its annual certified professional (CP) training Oct. 28. The training will be held at a new location in Columbus, The Conference Center at NorthPointe. Highlights of the day-long training will include a brownfield redevelopment panel discussion including a local government representative, a developer and an end user; a VAP property case study; an overview of urban gardening efforts in northern Ohio; a case study highlighting methods for large-scale NAPL plume removal; and an overview of VAP environmental covenants and updates to VAP, SABR and the Clean Ohio Fund. This training is co-sponsored with the American Council of

Engineering Companies of Ohio (ACEC Ohio). ACEC Ohio is mailing out registration brochures to all current VAP CPs. Registration information is also posted on the VAP website at www.epa.ohio.gov/derr/volunt/volunt.aspx. Registration is no longer open.

Highlighting State and Federal Resources for Brownfield Redevelopment

A series of one-day workshops highlighting state and federal resources available for brownfield redevelopment are planned for the fall and spring. The workshops will target small communities around the state, and will include speakers from Ohio EPA, Ohio DOD, U.S. EPA and Kansas State University (which provides assistance to small communities through a U.S. EPA grant).

The speakers will present strategies for identifying and prioritizing brownfield properties; grants, loans and services available to help communities with brownfield redevelopment; and computer programs for brownfield management and grant writing.

The first workshop will take place in early November in Lake County, Ohio. Additional workshops are tentatively planned in early December 2010 and spring 2011. For more information, please contact Sydney Poole, (614) 644-3751, or Amy Yersavich, (614) 644-2285.



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We're on the Web!
www.epa.ohio.gov/derr/SABR/sabr.aspx



Updates to U.S. EPA Region 5 Greener Cleanup Initiative

by:Brad Bradley, U.S. EPA Region 5

Interim Greener Cleanup Policy

In November 2009, the directors of the Superfund and Land and Chemicals divisions signed the Region 5 Interim Greener Cleanup Policy (www.epa.gov/reg5rcra/wptdiv/cars/remediation/).

The interim policy identified 12 greener cleanup practices that the region will promote and utilize to reduce the environmental footprint of its environmental work. Region 5 is currently developing white papers to assist with applying the following three practices.

- Employing energy conservation and efficiency approaches, including Energy Star equipment and renewable forms of energy.
- Using cleaner fuels, diesel emission controls and retrofits, and emission reduction strategies.
- Diverting from landfills, via reuse and recycling, at least 50 percent by weight of the uncontaminated construction and demolition materials generated at cleanup sites.

Greener cleanup workshop

On Feb. 9, 2010, Region 5 hosted a greener cleanup workshop attended by 60 people with another 300 people participating through webinar. Attendees, representing state and local governments, consultants, developers, planners and industry were briefed on the status of current greener cleanup programs and practices in each of the six Region 5 states (Illinois, Indiana, Minnesota, Michigan, Ohio and Wisconsin) and nationally. The agenda also included several case studies presented by state cleanup program specialists and consultants, and an open session for feedback regarding the Interim Greener Cleanup Policy.



Pilot studies and other actions

Region 5 has already completed two greener cleanup pilot studies and two more are under way. The first two studies, completed in Oshkosh, Wis. in March 2010, involved the inclusion of greener cleanup considerations as one of the factors in an “Analysis of Brownfields Cleanup Alternatives.” The grantee reported the cost for this extra analysis was negligible. The study resulted in selection of a cleanup alternative that minimized waste sent to the landfill and incorporated vapor barriers and bioswales into the construction.

A current pilot study is being conducted to optimize and green up a 13-well ground water extraction system that has been operating for a decade at the Fisher-Calo Superfund site in Kingsbury, Ind. Suggestions for optimization and inclusion of greener cleanup practices are being compiled and will be presented to the site steering committee. The steering committee will then decide which activities will be pursued. Collected data will allow for a pre- and post-greening environmental footprint analysis.

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Greener Cleanup

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Region 5 also received innovation funds for the Mallard North Landfill in DuPage County, Illinois. An analysis of two options for greening the closed landfill will be performed and presented to the Forest Preserve District of DuPage County for consideration/implementation. The options are using a “microturbine” to utilize methane emissions from the landfill and a solar concentrator and Stirling engine to produce electricity for on-site usage.

Other greener cleanup actions

- Developed language indicating which greener cleanup activities would be eligible expenses under brownfields assessment, cleanup and revolving loan fund grants.
- Provided comments regarding inclusion of greener cleanup considerations in national brownfields grant guidelines for 2011.

Additional Redevelopment Along Major Transportation Corridor

Ohio EPA has approved the approximately 23-acre State Side Technology Park for commercial and industrial use. Through the voluntary efforts of Deluxe Business Operations Inc. and East State Street Development Company LLC, the site, located at 1055 E. State St. in Athens (Athens County), is now being redeveloped.

Royal Typewriter Company, the original property owner, merged with McBee Business Systems of Athens in the 1960s and changed its name to the Royal McBee Company. Business form and check printing continued under a variety of owners doing business as McBee Systems Inc. Prior to the shutdown of operations in 2006, the most recent owner was Deluxe Business Operations Inc. The property is now owned by East State Street Development Company LLC. A biomedical firm currently occupies a portion of the property.

The main chemicals of concern included volatile organic compounds, total petroleum hydrocarbons, PCBs and metals. Approximately 82 tons of contaminated soil were excavated and transported off-site for disposal at a permitted solid waste facility. An environmental covenant places activity and use limitations on the property, including ground water use. An operation and maintenance plan will govern the implementation of the site’s ground water remedy, which consists of monitoring to confirm the property continues to meet applicable standards for ground water at the site boundaries. The plan also includes appropriate contingency measures to address potential contamination migration.



Urban Agriculture is Blooming in Northern Ohio

Anyone who lives in one of our state's major metropolitan cities has likely become aware of the increasing numbers of vacant and abandoned properties, especially in heavily urban areas. A number of abandoned commercial and industrial facilities, known as brownfields, have been added to the ranks of existing urban brownfields. The number of vacant properties rises with the addition of homes that have been foreclosed upon and, particularly in inner-city areas, demolished. What can be done about this situation? How can these increasing numbers of vacant properties be returned to productive use?

The cities of Toledo and Cleveland are dealing with a particularly large number of vacant and abandoned properties. While concerned about brownfields, city officials are also concerned about meeting the need for nutritious food, especially for citizens living in the urban core areas. Inner city residential areas are often referred to as "food deserts" because of the widespread lack of grocery stores selling affordable fresh produce and the abundance of fast food outlets selling inexpensive, but often unhealthy, meals and snacks.

To address this need, urban gardening is being embraced all over the country and in cities all over Ohio. Urban gardening gives a community the opportunity to work as a team to provide fresh, healthy, low-cost local produce and to turn vacant properties into productive and beautiful parts of the urban landscape. Given that only 2 percent of the food eaten in Ohio is actually grown in Ohio, community gardens are not only important for ensuring fresh produce but also for lowering Ohio's carbon footprint.



A vertical garden at the Toledo Seagate Food Bank, Toledo.

be easily dismantled and moved; and extend the growing season. Another tool is the vertical garden, which grow plants in vertical structures that save space and eliminate weed growth.

Cleveland, with the assistance of U.S. EPA and Ohio EPA, is conducting soil sampling of many of the city's vacant lots to determine if urban gardening can be conducted at the properties safely. Although significant ongoing research is focused on whether contamination may be taken up by crops grown in typical urban gardens and what levels are safe, there is much less information about safe levels of contamination for typical gardening activities, such as planting, weeding, watering and maintaining a market. This study hopes to develop a good understanding of urban garden use and maintenance to ensure the safety and health of those tending to them.

As we learn more from the work being done by U.S. EPA, the cities of Cleveland and Toledo and other research universities and organizations, hopefully, the urban gardening movement can grow into a sustainable part of our urban landscape.



The Cleveland Botanical Garden's MidTown Urban Farm, Cleveland

Toledo has pioneered several programs and initiatives to encourage expansion of urban gardens throughout the city. Toledo GROWS, a grassroots, nonprofit organization dedicated to the growth and success of community-based gardens, is one of those initiatives. Toledo GROWS provides technical assistance and organizational resources to support community garden projects. The Northwest Ohio Gleaning Project gathers volunteers from the ranks of students, senior citizens, stay-at-home parents and others who visit area farm fields and orchards, to collect excess produce for distribution by the Toledo Seagate Food Bank.

With assistance from Toledo's Center for Innovative Food Technology, the city is also experimenting with a number of different tools and techniques to make urban gardening more productive and cost effective. One of those tools is the hoop house. Hoop houses, which can be constructed in various sizes, are made of galvanized steel arches covered with polyethylene plastic. Hoop houses are relatively inexpensive to build; use less energy than traditional greenhouses; can

Courses Approved For PDHUs

An Improved Understanding of LNAPL Behavior in the Subsurface - State of Science vs. State of Practice

ITRC Training Program

Oct. 12, 2010

2 p.m. - 4:15 p.m. EDT

Webinar

Free

2.25 PDHUs

www.clu-in.org/conf/itrc/register/default.cfm?title=An%20Improved%20Understanding%20of%20LNAPL%20Behavior%20in%20the%20Subsurface%20-%20State%20of%20Science%20vs.%20State%20of%20Practice

LNAPL Characterization and Recoverability - Improved Analysis

ITRC Training Program

Oct. 13, 2010

2 p.m. - 4:15 p.m. EDT

Webinar

Free

2.25 PDHUs

www.clu-in.org/conf/itrc/register/default.cfm?title=LNAPL%20Characterization%20and%20Recoverability%20-%20Improved%20Analysis

Evaluating LNAPL Remedial Technologies for Achieving Project Goals

ITRC Training Program

Oct. 14, 2010

2 p.m. - 4:15 p.m. EDT

Webinar

Free

2.25 PDHUs

www.clu-in.org/conf/itrc/register/default.cfm?title=Evaluating%20LNAPL%20Remedial%20Technologies%20for%20Achieving%20Project%20Goals

Use of Risk Assessment in Management of Contaminated Sites

ITRC Training Program

Oct. 19, 2010

2 p.m. - 4:15 p.m. EDT

Webinar

Free

2.25 PDHUs

www.clu-in.org/conf/itrc/register/default.cfm?title=Use%20of%20Risk%20Assessment%20in%20Management%20of%20Contaminated%20Sites

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Courses Approved For PDHUs

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Enhanced Attenuation of Chlorinated Organics: A Site Management Tool

ITRC Training Program

Oct. 21, 2010

11 a.m. - 1 p.m. EDT

Webinar

Free

2 PDHUs

www.clu-in.org/conf/itrc/register/default.cfm?title=Enhanced%20Attenuation%20of%20Chlorinated%20Organics:%20A%20Site%20Management%20Tool

Environmental Remediation Technologies

Environmental Response Training Program

Oct. 26, 2010 – Oct. 28, 2010

Rachel Carson State Office Building

400 Market Street

2nd Floor Training Room

Harrisburg, PA 17101

\$400 (tuition waived for government employees and students)

19 PDHUs

www.trainex.org/classdetails.cfm?classid=4763&courseid=2

Chemistry For Environmental Professionals-Fundamentals

Environmental Response Training Program

Dec. 7-8, 2010

Rachel Carson State Office Building

400 Market Street

2nd Floor Training Room

Harrisburg, PA 17101

\$250 (tuition waived for government employees and students)

14 PDHUs

www.trainex.org/classdetails.cfm?classid=4764&courseid=16

Introduction to Groundwater Investigations

Environmental Response Training Program

Dec. 14-16, 2010

Rachel Carson State Office Building

400 Market Street

2nd Floor Training Room

Harrisburg, PA 17101

\$400 (tuition waived for government employees and students)

24 PDHUs

www.trainex.org/classdetails.cfm?courseid=6&classid=4766

Material covered, information provided and any opinions expressed in any courses do not supercede Voluntary Action Program statutory language, rule requirements or technical reviews provided by Ohio EPA staff.

The 2011 Ohio Brownfield Conference is just Around the Corner!

Preparations for the 2011 Ohio Brownfield Conference are proceeding smoothly. We are happy to announce that our online registration opened on Sept. 13! The two-day conference (Jan. 19-20, 2011) will have four session tracks, plus a fifth track dedicated to workshops, demonstrations and Clean Ohio Fund Project Resource and Advisory Meetings (PRAMs). The four tracks include an assessment and remedy track, focusing on technical issues related to brownfield investigation and cleanup; a new to brownfields track, with financial and how-to information for those have just started to work on brownfields redevelopment; a green remediation and sustainability track, focusing on both new and green innovations related to brownfields cleanup and redevelopment; and a redevelopment track. A full conference agenda is available on the conference website.



Ohio EPA is trying to keep the conference as affordable as possible, especially for federal, state and local government attendees. Full conference registration at the early bird rate is \$80 for government/non-profit/students and \$145 for business and industry representatives. After Dec. 11, the rates will be \$90 and \$160 respectively. Registration includes attendance at any and all the sessions as well as breakfast, lunch and breaks. Registration also includes a reception on the first evening in our exhibit hall.

Check out the Ohio Brownfield Conference website at www.epa.ohio.gov/derr/OhioBrownfieldConference.aspx for more information. We hope to see you there!

Notice to Certified Professionals Regarding Certified Data



If you are conducting a voluntary action that relies on PAH data generated by Pace Analytical Services (CL0065) from June 14, 2007 through May 6, 2010, please be aware that, during that timeframe, Pace was not VAP-approved to provide certified data for PAHs using Selected Ion Monitoring (SIM) by Method 8270C. Therefore, the data is not

considered certified data, and you must collect confirmatory samples. As of May 7, 2010, Pace received approval to generate the data using this method. If you have any questions, please contact Darlene Stanley (Darlene.stanley@epa.ohio.gov) at (614) 644-2924.

SABR News

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