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DID YOU KNOW? EPA Divers

- EPA maintains teams of divers in several regions, as well as an Emergency Response Team (ERT), based in Edison, New Jersey.
- EPA and other state and federal divers are trained at the EPA National Diver Training Center in Gulf Breeze, Florida.
- EPA diving units conduct over 2,000 dives a year.
- Dive teams collect samples and conduct investigations. Examples include:
 - investigation of zebra mussel infestation in the Ohio River;
 - location and sampling around submerged drums at Superfund sites; and
 - studies of natural and artificial reefs, including recent ones made from submerging old New York subway cars.
- EPA divers also assisted with Space Shuttle Columbia recovery effort in the Toledo Bend Reservoir.
- There are protocols for allowing a non-EPA certified diver to accompany an EPA dive operation as an observer of an EPA program.

SAFETY TIP



Computer Use Ergonomics - Wrists & Arms: (1) Forearms parallel to floor; (2) Wrists relaxed and straight (neutral); (3) Wrist height at or slightly higher than front of keyboard; (4) Hands/wrists should not continually lean on wrist rest. For additional information on ergonomics, contact Chris Andrews (860/747-1800).

All Appropriate Inquiry. The Brownfields Law amends Section 101(35)(B) of CERCLA to include an interim standard for conducting all appropriate inquiry (AAI) and requires EPA to promulgate regulations that establish federal standards and practices for conducting all appropriate inquiry. The AAI standards and practices are relevant to the innocent landowner defense to CERCLA liability; the contiguous property exemption to CERCLA liability; the bona fide prospective purchaser exemption to CERCLA liability; and the Brownfields site characterization and assessment grant programs. EPA is using a negotiated rulemaking (RegNeg) to develop the required rules. Full consensus was reached by the committee of stakeholders on the statutory criteria in November 2003. Although the statutory deadline has passed, the proposed AAI rule, its accompanying preamble, and background documentation are expected to be published for public comment during the summer of 2004, with a final rule expected by early 2005. Because the current ASTM E 1527-00 standard does not cover all requirements of the anticipated new rules, the ASTM E 50.02.06 Task Group has drafted revisions to the E 1527 Standard to address the language in the AAI consensus document. It is expected that the final AAI rule and the revised ASTM Standard will be very close to each other in their final forms. The draft final consensus document is available at www.epa.gov/swerosps/bf/aa/draftreglangfinal.pdf. For more information, contact Brian Boevers (bboevers@CRAworld.com; 651-639-0913).

National Map. To make available the kind of current map data that today's researchers, educators, and decision-makers need, the USGS has begun a collaborative effort with tribal, federal, regional, and local governments called *The National Map*. The project uses the most recent available data from a wide variety of partners to bring maps to the public. Each map in The National

Map can be customized by zooming in to specific neighborhoods, or out to states or regions. Among the available layers are boundary, topographic, land cover, wetlands, orthophoto and satellite images. Distributed map-server technology using open-GIS Consortium standards makes all of this possible from any Web browser. Visit the National Map at <http://nationalmap.gov>; for more information, contact Troy Fontenot (225/292-9007).

Emission Rules for Highway Motorcycles, Mopeds, Scooters. EPA published its revised air emissions standards Jan. 15 for on-road motorcycles, strengthening rules for both the emissions that evaporate from motorcycle gas tanks and engine exhaust (69 Fed. Reg. 2398). The final rules will require manufacturers to meet the more stringent requirements beginning in 2006 and will regulate emissions for the first time in mopeds, scooters, and other motorcycles powered by smaller engines. According to the EPA, highway motorcycles are significant contributors to mobile-source air pollution and produce more harmful emissions per mile than a car or even a large SUV. Motorcycles currently account for 0.6 percent of mobile-source hydrocarbon (HC) emissions, 0.1 percent of mobile-source oxides of nitrogen (NOx) emissions, and less than 0.1 percent of mobile-source particulate matter (PM) emissions. Without these regulations, highway motorcycles would account for 2.2 percent of mobile-source HC and 0.3 percent of mobile-source NOx by 2020.

Greenhouse Gas Equivalencies Calculator. The Greenhouse Gas Equivalencies Calculator is designed to enable public and private sector organizations and individuals to quickly and easily translate greenhouse gas (GHG) reductions from units that are typically used to report reductions (e.g., metric tons of carbon dioxide equivalent) into terms that are easier to



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conceptualize (e.g., equivalent number of cars not driven for one year). Applications of this calculator might include developing a greenhouse gas reduction strategy, communicating reduction targets to the public or stakeholders, and supporting other initiatives aimed at reducing GHG emissions. EPA, in partnership with the not-for-profit Global Environment and Technology Foundation and the U.S. Agency for International Development, developed the tool to support voluntary greenhouse gas reduction programs. The tool is available at the U.S. Climate Technology Cooperation web site: www.usctgateway.net/tool.

Michigan: Storage Rules. The Michigan Department of Environmental Quality (MDEQ) has implemented new Storage and Handling of Flammable and Combustible Liquids (FL/CL) Rules. The new FL/CL Rules now combine environmental protection with fire safety and regulate the storage (tank and container) of all liquids with a flash point below 200 degrees Fahrenheit. A recent workshop covered topics including what paperwork and information an inspector wants to see when arriving on site; additional siting requirements for ASTs in reference to Critical Assessment Zones and Delineated Wellhead Protection Areas; signage requirements at service stations; refueling of vehicles from tanker trucks; new forms to use and how to complete them; and use of double-walled AST systems and the related separation distances. Highlights of the workshop presentations and a copy of the FL/CL Rules workbook are available at www.michigan.gov/deq/0,1607,7-135-3308_3333_23718-79972--,00.html.

Texas: TRRP Guidance. At the Texas Council on Environmental Quality (TCEQ) conference in May, TCEQ personnel

distributed additional guidance on TRRP-13 (Review And Reporting of COC Concentration Data). The guidance addresses questions related to laboratory analyses and reporting. For a copy of "Once-Asked Questions on TRRP-13," contact Denise Anderson (danderson@CRAworld.com; 716/297-2160) or Fernando Sierra (fsierra@CRAworld.com; 225/292-9007).

Science Film Festival Accepting Entries. The International Science Film Festival is accepting entries through July 21 for its festival to be held in Boulder, Colorado, September 17-25. To be screened are a broad range of artistically imaginative film and video works in many different styles and genres, including feature, documentary, shorts, animated, new media, and television mini-series. In addition, other events such as public forums, panels, special and outdoor screenings, will include the participation of a broad range of filmmakers, filmgoers, scientists, writers and journalists from around the world. For more information, see www.sciencefilmfestival.org.

Recent Publications:

- *Technologies for Treating MtBE and Other Fuel Oxygenates* (EPA 542-R-04-009). An overview of the treatment technologies used to remediate groundwater, soil and drinking water contaminated with MtBE and other fuel oxygenates. Summarizes available cost and performance information for eight treatment technologies, examples of where they have been used and additional sources of information (May 2004, 109 pages). Order or download at www.clu-in.org/techdrct/techpubs.asp.
- *National assessment of shoreline change: Part 1: Historical shoreline changes and associated coastal land loss along the U.S. Gulf of Mexico: U.S. Geological Survey Open-file Report 2004-1043*, 45p. (<http://pubs.usgs.gov/of/2004/1043>)

Upcoming Training and Conferences:

- *Sixteenth Annual Texas Environmental Superconference*, August 5-6, Austin, TX. Sponsored by the State Bar of Texas, Environmental and Natural Resources Law Section; Air and Waste Management Association - Southwest Section; Water Environment Association of Texas; Texas Assoc. of Environmental Professionals; The Auditing Roundtable; and the ABA Section of Environment, Energy & Resources. Provides CLE credits for Texas attorneys. (www.texenrls.org/superconference.html).
- ITRC online seminar: *In Situ Chemical Oxidation*. July 22, 11:00 - 1:15 EDT. FREE. Register at www.clu-in.org/live/default.cfm.
- *EPA Nat'l Environmental Monitoring Conference (NEMC)*, Washington, DC, July 19-23 (www.nemc.us)
- *Midwestern States Risk Assessment Symposium*, Indianapolis, IN, Aug. 25-27 (www.spea.indiana.edu/msras)
- *Brownfields 2004: Gateway to Revitalization*, St. Louis, MO, September 20-22. Sponsored by EPA and ICMA (9th year). FREE. (www.brownfields2004.org).
- *2004 Fractured Rock Conference: State of the Science and Measuring Success in Remediation*. Portland, Maine, September 13-15, 2004. Sponsored by the National Groundwater Association and EPA. Register at: www.ngwa.org/e/conf/0409135017.shtml.

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