

US EPA ARCHIVE DOCUMENT

### ETV AMS Center: Encouraging International Environmental Technology Verification

Battelle's Advanced Monitoring Systems (AMS) Center is working toward international cooperation in environmental technology verification. The benefits of such cooperation are many, including increased participation and exposure for vendors, as well as an increased pool of experts to draw from for protocol development and report review.

Two efforts are currently under way: development of a joint protocol for rapid whole soil and soil extract toxicity with Environment Canada and ETV Canada, and joint verification of passive ground water samplers with the Nordic Water Technology Verification Center (NOWATECH).

The joint protocol for soil toxicity technologies builds upon a generic protocol that the AMS Center completed in 2007. The generic protocol was developed with co-funding from EPA's Office of Solid Waste and Emergency Response (OSWER). With participation from Environment Canada and ETV Canada, this protocol has been expanded to include whole soil testing in addition to soil

extract testing. The protocol is currently undergoing final reviews with the U.S. EPA and Canadian ETV programs, as well as with the original peer reviewers, and soon will be posted on the ETV website ([www.epa.gov/etv](http://www.epa.gov/etv)). Once the protocol is finalized, the AMS Center and the ETV Canada program will recruit vendors and collaborators to participate in a verification test. For more information, contact Mary Schrock, [schrock@battelle.org](mailto:schrock@battelle.org), (614) 424-4976.

In cooperation with NOWATECH, the AMS Center is preparing for verification testing of passive ground water samplers. The test plan is being developed jointly by NOWATECH and the AMS Center using an existing U.S. ETV test/QA plan as a starting point. One vendor, Sorbisense, is currently participating in the verification test, slated for summer/fall of 2008 in Denmark. Battelle's AMS Center will provide technical and quality assurance oversight of testing, which we expect to complete by the end of 2008. For more information, contact Anne Gregg, [gregga@battelle.org](mailto:gregga@battelle.org),

### Stakeholders Set Priority Testing Categories

The AMS Center conducted stakeholder meetings with its air and water committees on May 8 and May 15, 2008, respectively.

The stakeholders were updated on the status of AMS Center technology verifications in progress. In addition, future priority areas for the AMS Center were discussed (see box).

Minutes from the stakeholder meetings will soon be available on [www.epa.gov/etv](http://www.epa.gov/etv).

If you are an interested vendor or collaborator for any of the priority technology categories, please contact Battelle's Stakeholder Coordinator, Rachel Sell, [sellr@battelle.org](mailto:sellr@battelle.org), (614) 424-3579.



### AMS Center Welcomes New EPA Project Officer

Douglas Grosse was named the new EPA project officer for the AMS Center in March 2008. He replaces Bob Fuerst, who has retired from EPA.

Doug is an environmental engineer in EPA's Office of Research and Development, National Risk Management Research Laboratory. He can be reached at (513) 569-7844 or [grosse.douglas@epa.gov](mailto:grosse.douglas@epa.gov).

#### PRIORITIES FOR VERIFICATION TESTING

##### AIR

Cavity Ringdown Spectroscopy  
Fungal Contamination Field Monitors  
Ozone Detector Cards

##### WATER

Automated Pathogen Concentrators  
Lead in Drinking Water Test Kits  
Total Organic Carbon Analyzers/  
On-line Nutrient Monitors

## ETV at the 2008 EPA Science Forum

The week of May 19, 2008 was a busy one for the ETV Program. An ETV team meeting was held on May 19 in conjunction with the 2008 EPA Science Forum, "Innovative Technologies: Key to Environmental and Economic Progress," May 20-22, in Washington, D.C.

The Science Forum featured presentations on several ETV tests. In addition, six AMS Center vendors exhibited their technologies. The ETV booth (shown at right

with Julius Enriques from the ETV Program Office) had a nearly constant stream of interested visitors.

The week ended with the fourth meeting of the International Working Group for Environmental Technology Verification (IWG-ETV). The U.S. EPA ETV Program is a member of the IWG-ETV, along with Environment Canada and the European



Commission.

In attendance were representatives from the United States, Canada, Europe, Korea, Philippines, and the Organisation for Economic Co-operation and Development.

More information on ETV Program international activities is available at [www.epa.gov/etv/partic.html](http://www.epa.gov/etv/partic.html).

## Recently Completed Verifications\*

### BALLAST WATER EXCHANGE SCREENING TOOLS

Ballast Water Exchange Assurance Meter (BEAM) 100  
Dakota Technologies, Inc.  
[www.dakotatechnologies.com](http://www.dakotatechnologies.com)  
Collaboration with U.S. Coast Guard



### PERSONAL CASCADE IMPACTOR SAMPLERS

Sioutas Personal Cascade Impactor Sampler with Leland Legacy® Pump  
SKC, Inc.  
[www.skcinco.com](http://www.skcinco.com)  
Collaboration with Mickey Leland National Urban Air Toxics Center



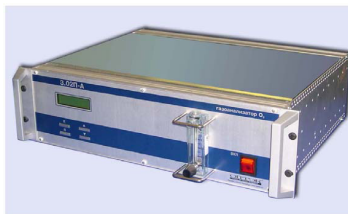
### MULTI-PARAMETER WATER SENSOR TECHNOLOGIES

WaterPOINT 870  
Sensicore, Inc.  
[www.sensicore.com](http://www.sensicore.com)  
Collaboration with EPA, Texas Commission on Environmental Quality, Columbus Division of Power and Water



### CHEMILUMINESCENT OZONE ANALYZERS

3.02 P-A Ozone Analyzer  
JSC OPTEC Ltd.  
[www.optec-corp.com](http://www.optec-corp.com)  
Collaboration with American Petroleum Institute



\* Reports for these and all other AMS Center verifications are available at [www.epa.gov/nrmrl/std/etv/vt-ams.html](http://www.epa.gov/nrmrl/std/etv/vt-ams.html).



The AMS Center, which is part of the U.S. Environmental Protection Agency's Environmental Technology Verification Program, verifies the performance of technologies that monitor for contaminants and natural species in air, water, and soil. ETV was established to accelerate the implementation of improved environmental technologies through third-party verification testing and reporting of the technologies' performance.

The ETV process provides purchasers and permittees with an independent assessment of the technology they are buying or permitting and facilitates multi-state acceptance.

For further information, contact Amy Dindal at Battelle—phone (561) 422-0113; fax (614) 458-6697; or e-mail [dindala@battelle.org](mailto:dindala@battelle.org).