Call for Abstracts

Second International Greenhouse Gas Measurement Symposium
September 8–10, 2010
Washington, DC
Abstract Deadline: April 12

Join A&WMA for the Second International Greenhouse Gas Measurement Symposium to address greenhouse gas (GHG) measurement issues and their role in existing and future policies. This symposium aims to bridge science and emerging market demands for accurate emissions measurement, verification, and reporting to enable market-based reduction programs; and specifically to discuss what government and international approaches regarding GHG measurements are necessary to sustain a successful global carbon trading market. Environmental professionals from around the world will gather to explore new directions for measurement science to improve communication among scientists, carbon credit traders, equipment manufacturers, and regulators. The symposium will include a select number of plenary speakers, panel discussions, and small focus groups to explore and discuss the subject areas in considerable detail. Abstracts are being sought for presentations on GHG measurement programs, including (but not limited to): measurement data-based modeling (bottom up and top down); monitoring carbon dioxide emissions from sequestration activities; and monitoring and integrating measurement data at the regional scale. Abstracts of 300 words or less should be submitted to: Lisa Breese, A&WMA Programs Associate, lbreese@awma.org. Abstracts will go through a review process by the symposium committee for originality, technical content, objectivity, and absence of commercialism. Please contact Lisa Breese at +1-412-904-6004 for more information.

Symposium on Air Quality Measurement Methods and Technology
November 2–4, 2010
Los Angeles, CA
Abstract Deadline: May 14

Explore advances in measurement technology, data quality assurance, and data uses at A&WMA’s Symposium on Air Quality Measurement Methods and Technology, November 2–4, 2010, in Los Angeles, CA. Academia, consultants, industry, government, and manufacturers won’t want to miss the chance to hear the latest information on available technology, including new monitoring networks and regulations from industry experts. Abstracts are being sought for presentations on all air quality measurement and monitoring topics, including (but not limited to): ultrafine particles; vapor intrusion and indoor air measurements; ambient air monitoring; stationary source measurements; particle chemical speciation; measurements data quality and quality assurance; and advances in canister sampling and analysis methods. Both laboratory and field studies are welcomed. Concurrent sessions are planned, as well as a vendor exhibition and professional development courses. In addition, a new type of session will be added this year: the Super Session. The overall objective of the Super Session is to provide attendees...
Workshops and Courses

The following course is scheduled in conjunction with the International Conference on Thermal Treatment Technologies & Hazardous Waste Combustors, to be held May 17–20 in San Francisco, CA.

MAY 17 (8:00 a.m.–5:00 p.m.)
AIR-285: HWC MACT, Trial Burn/Risk Burn Compliance Testing
_Instructor:_ Douglas Saathoff, Executive Vice President, METCO Environmental, Inc.
This course will provide practical information for designing and conducting a successful trial burn, risk burn, or hazardous waste combustor (HWC) Maximum Achievable Control Technology (MACT) performance test. Specific roles, preparation steps, and responsibilities will be discussed for each of the parties involved in the test program, with details on organizing a successful team. The impact of regulatory requirements on test plan design will be addressed, as will the protocol U. S. Environmental Protection Agency (EPA) methods for emissions measurement, associated quality assurance/quality control, and method limitations. Case histories will also be presented that will be of value to those in industry and regulatory agencies. Also, method specific details that can greatly impact the cost of a project will be discussed.

The following four courses are scheduled in conjunction with the Specialty Conference Vapor Intrusion 2010, to be held September 29–30 in Chicago, IL.

SEPTEMBER 28 (8:00 a.m.–12:00 p.m.)
AIR-206: Sampling and Analysis Methods for Vapor Intrusion
_Instructors:_ Gina Plantz, Senior Scientist, Haley & Aldrich, Inc.; and Bart Eklund, Principal Scientist, URS Corp.
Field studies of vapor intrusion may involve a wide variety of different sampling and analytical approaches. This course provides attendees with a basic working knowledge of approaches for measuring gas-phase concentrations and gas transport. Such measurements may be performed outside the building (e.g., soil gas, ambient air) or inside the building (e.g., sub-slab soil gas, indoor air, pressure differential, building ventilation rate). The course should prove useful for persons with responsibility for developing or reviewing test plans for vapor intrusion studies. (cont. on page 50)

Listed below are the articles appearing in the April 2010 issue of the _Journal._ For ordering information, go to [www.awma.org/journal](http://www.awma.org/journal) or call 1-412-232-3444.

In This Issue...
- Study of the Properties of Aerosols and the Air Quality Index Using a Backscatter Lidar System and Aeronet Sunphotometer in the City of São Paulo, Brazil
- Influence of Traffic Emissions on the Carcinogenic Polycyclic Aromatic Hydrocarbons in Outdoor Breathable Particles
- A Site-Specific Screening Comparison of Modeled and Monitored Air Dispersion and Deposition for Perfluorooctanoate
- Odor Annoyance near Waste Treatment Centers: A Population-Based Study in Finland
- Experimental and Numerical Study on Effects of Airflow and Aqueous Ammonium Solution Temperature on Ammonia Mass Transfer Coefficient
- Stabilization of Residues Obtained from the Treatment of Laboratory Waste. Part 1—Treatment Path of Metals in a Plasma Melting System
- Modeling Municipal Solid Waste Management System under Uncertainty
- Removal of Polyphenols from Wine Sludge Using Cloud Point Extraction
- Uncertainties Associated with the Use of Optical Remote Sensing Technique to Estimate Surface Emissions in Landfill Applications
- Seasonal Odor, Ammonia, Hydrogen Sulfide, and Carbon Dioxide Concentrations and Emissions from Swine Grower-Finisher Rooms
- Seasonal Pattern of the Acute Mortality Effects of Air Pollution
- Adsorption of Carbon Dioxide from Gas Streams via Mesoporous Spherical-Silica Particles
- Black and Organic Carbon Emission Inventories: Review and Application to California

with both an accelerated introduction and more advanced instruction and example applications of the topic. Attendees will leave the session with a broad exposure to both the principles and application of the topic. For more information, visit [www.awma.org/go/measurements10](http://www.awma.org/go/measurements10), or contact A&WMA Programs Associate Lisa Breese at lbreese@awma.org or one of the conference co-chairs: Eric Winegar (ericwinegar@earthlink.net) and Hilary Hafner (hilary@sonomatech.com).
Workshops and Courses cont.

SEPTEMBER 28 (8:00 a.m.–12:00 p.m.)
AIR-274: Vapor Intrusion Pathway Modeling: Development and Application
Instructor: Robert Ettinger, Associate, Geosyntec Consultants
Modeling is frequently a key step in the evaluation of the vapor intrusion pathway for chemical release sites. This course provides attendees with an understanding of the development and use of models to evaluate this pathway. The fundamental fate and transport mechanisms included in common vapor intrusion models will be described and evaluation of critical model inputs will be discussed. Additionally, the course will include an overview of available models and provide examples of model application. No prerequisites are required. A scientific or engineering background would be beneficial.

SEPTEMBER 28 (1:00–5:00 p.m.)
AIR-268: Data Evaluation for Vapor Intrusion Studies
Instructor: Bart Eklund, Principal Scientist, URS Corp.
This course introduces various data analysis procedures for evaluating vapor intrusion data sets that include indoor air data, with an emphasis on identifying background volatile organic compound (VOC) concentrations and taking any such background into account in the decision-making process. The data analysis methods can be used to determine whether or not various compounds exhibit similar behavior to one another. This information can then be used to ascertain whether the measured concentrations in indoor air for a given VOC are the result solely of vapor intrusion, background sources, or a combination of vapor intrusion and background sources. No specific prerequisites are required, but attendees should be familiar with the U.S. Environmental Protection Agency's guidance for vapor intrusion.

SEPTEMBER 28 (1:00–5:00 p.m.)
AIR-207: Design Considerations for the Mitigation of Vapor Intrusion
Instructor: Matthew Traister, Senior Managing Engineer, O'Brien & Gere
This course provides attendees with an understanding of the various techniques, both active and passive, that can be applied in order to mitigate the vapor intrusion pathway. Site remedies, institutional controls, and building control options are addressed, with the latter technique discussed in detail. Advantages and disadvantages for the various building control options are reviewed and discussed, and conceptual unit cost estimates are provided. Special design considerations involving structure type and environmental factors are also presented. The course contents are then illustrated through a series of detailed case studies, where the application of the basic skills is applied.