

Tenth Conference on Air Quality Modeling March 13–15, 2012

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A&WMA AB-3 METEOROLOGY COMMITTEE INTRODUCTORY COMMENTS PIETRO CATIZONE, VICE-CHAIR



AIR & WASTE MANAGEMENT
ASSOCIATION

*Air Pollution Meteorology
(AB-3) Committee*

AB-3 Meteorology Committee

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- **A&WMA Technical Coordinating Committee for Meteorology and Air Quality Modeling Issues**
- **More than 200 Members**
 - Government
 - Industry
 - Consulting
- **Objectives:**
 - Provide Technical Support and Peer Review for Annual Meeting
 - Support Specialty Conferences and Workshops
 - Contribute to Technical Programs
 - Provide Comments on Regulatory and Relevant Technical Issues



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AB-3 10th Modeling Conference Committee

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- Mark Bennett – CH2M Hill – Chair
- Pietro Catizone – TRC – Vice-Chair
- David Long – AEP – Secretary
- Bob Paine – AECOM
- Joe Scire – Exponent
- Ryan Gesser – GP
- Gale Hoffnagle – TRC
- Ron Petersen – CPP
- George Schewe – Trinity
- Lloyd Schulman – Exponent



Key Comment Areas - Presentations

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- Discussed with OAQPS on August 4, 2011 – Offered Support in Various Topics
- Use of Equivalent Building Dimensions (EBDs) in AERMOD

Ron Petersen: Tuesday 1:00 to 1:15

- CALPUFF Modeling System and Availability
Gale Hoffnagle: Tuesday 3:15 to 3:30



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Key Comment Areas - Presentations

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- **New Developments and Evaluations of the CALPUFF Model:**
Speaker: Joe Scire
- **Assessment of EPA's ETEX Evaluation Study:**
Speaker: Joe Scire
- **Building Downwash Modeling with AERMOD:**
Speaker: Lloyd Schulman
- **AERMET vs. AERMET/AERMINUTE:**
Speaker: George Schewe



Other Topics of Interest

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- Clearinghouse turnaround and input
- Status and timeline of modeling Guidance – SO₂ and PM_{2.5}
- What is the availability of the long range transport data base for model evaluation, is it publicly available?



Model Clearinghouse Input

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- Traditionally, the Model Clearinghouse process does not allow technical input by the affected parties (e.g., permit applicant)
- Typically, the permitting authority states their opinion and asks for Clearinghouse approval; no other involvement allowed
- AB-3 recommends that the affected parties be able to provide comment along with the permitting authority's correspondence to the Clearinghouse



Status of Modeling Guidance

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- Issuance of modeling Guidance has been lengthy and the lack of final guidance can affect the viability of project schedules
 - SO₂ draft guidance out since September 22, 2011, final guidance is forthcoming?
 - Secondary PM_{2.5} guidance expected for some time, but not yet available!
- Collaborative efforts might help to expedite process – how can groups like AB-3 get involved and help?



5th AB-3 Modeling Specialty Conference

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- **A&WMA Specialty Conference**
- **Modeling Conference Under Development:**
 - Fifth Conference Sponsored by AB-3
 - Preliminary Schedule: Considering December 2012 – March 2013
 - Likely in Raleigh, NC
 - Stay tuned to AWMA.org for updates and call for papers



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