

# 10th Conference of Air Quality Modeling

## EPA-Research Triangle Park, NC Campus

### Final Agenda

#### Tuesday, (March 13, 2012)

	8:30 - 8:45 AM (EDT)	<a href="#">Welcome and Opening Remarks</a>	Chet Wayland, OAQPS
Appendix W / Model Clearinghouse Update	8:45 - 9:00 AM	<a href="#">Appendix W Status and Updates</a>	Tyler Fox, OAQPS
	9:00 - 9:15 AM	<a href="#">Model Clearinghouse Status and Update</a>	George Bridgers, OAQPS
	9:15 - 9:30 AM	<a href="#">Clarification Memoranda</a>	Roger Brode, OAQPS
Currently Preferred AQ Models - AERMOD	9:30 - 10:00 AM	<a href="#">AERMOD Modeling System Update</a>	Roger Brode, OAQPS
	10:00 - 10:15 AM	<a href="#">AERSCREEN Update</a>	James Thurman, OAQPS
	10:15 - 10:30 AM	<b>Break</b>	
	10:30 - 10:45 AM	<a href="#">AERMINUTE Update</a>	James Thurman, OAQPS
	10:45 - 11:15 AM	<a href="#">AERSURFACE Update</a>	Roger Brode, OAQPS
	11:15 - 11:45 AM	<a href="#">AERMIC Update</a>	Roger Brode, OAQPS
	11:45 - 12:00 PM	AERMOD Question & Answer Session (15 Minutes)	
	12:00 - 1:00 PM	<b>Lunch (On Your Own, Cafeteria is Available)</b>	
AERMOD Applications Development	1:00 - 1:15 PM	<a href="#">Use of Equivalent Building Dimensions (EBDs) in AERMOD</a>	Ron Petersen, CPP
	1:15 - 1:30 PM	<a href="#">AERMOD Low Wind Speed Evaluation Study</a>	Bob Paine, AECOM
	1:30 - 1:45 PM	<a href="#">Modeling of Haul Roads: Best Practices</a>	Randy Robinson, EPA R5
	1:45 - 2:00 PM	<a href="#">Modeling of Fugitive Emissions / Haul Roads</a>	Chat Cowherd, MRI
	2:00 - 2:15 PM	<a href="#">Conformity PM<sub>2.5</sub> Hotspot Modeling Guidance</a>	Meg Patulski, OTAQ
	2:15 - 2:45 PM	AERMOD Applications Question & Answer Session (30 Minutes)	
2:45 - 3:00 PM	<b>Break</b>		
Currently Preferred AQ Models - CALPUFF	3:00 - 3:15 PM	<a href="#">CALPUFF Modeling System Update</a>	Tyler Fox, OAQPS
	3:15 - 3:30 PM	<a href="#">CALPUFF Modeling System Status and Availability</a>	Gale Hoffnagle, TRC
	3:30 - 4:00 PM	<a href="#">CALPUFF Near-field Validation</a>	Roger Brode, OAQPS
	4:00 - 4:15 PM	CALPUFF Question & Answer Session (15 Minutes)	
Prognostic Met Data	4:15 - 4:30 PM	<a href="#">MMIF Prognostic Met Data Processing Tool Overview</a>	Bret Anderson, USFS
	4:30 - 5:15 PM	MMIF Development and Testing	Kirk Baker, OAQPS Bret Anderson, USFS
	5:15 - 5:30 PM	MMIF Question & Answer Session (15 Minutes)	
	5:30 PM	<b>Adjourn for Day</b>	

#### Wednesday, (March 14, 2012)

PM2.5 Modeling	8:30 - 8:45 AM (EDT)	<a href="#">Overview of EPA's Process &amp; Scope for Updating Appendix W</a>	Tyler Fox, OAQPS
	8:45 - 9:30 AM	<a href="#">Draft PM<sub>2.5</sub> Permit Modeling Guidance</a>	George Bridgers, OAQPS
	9:30 - 10:00 AM	<a href="#">PM<sub>2.5</sub> Permit Modeling Panel Discussion (30 Minutes)</a>	Randy Robinson, EPA R5 Ryan Gesser, AF&PA Jim Boylan, GA DEP
	10:00 - 10:15 AM	PM2.5 Question & Answer Session (15 Minutes)	
10:15 - 10:30 AM	<b>Break</b>		
1-hour NO <sub>2</sub> /SO <sub>2</sub> Modeling	10:30 - 11:00 AM	<a href="#">Challenges of Modeling for New 1-hour NO<sub>2</sub> &amp; SO<sub>2</sub> NAAQS</a>	Tyler Fox, OAQPS
	11:00 - 11:15 AM	<a href="#">AERMOD Evaluations under New 1-hour NO<sub>2</sub> &amp; SO<sub>2</sub> NAAQS</a>	Roger Brode, OAQPS
	11:15 - 12:00 PM	<a href="#">AERMOD Implementation WorkGroup (AIWG) - 1-hour NO<sub>2</sub>/SO<sub>2</sub> Modeling Study</a>	James Thurman, OAQPS Erik Snyder, EPA Region 6
	12:00 - 1:00 PM	<b>Lunch (On Your Own, Cafeteria is Available)</b>	
	1:00 - 1:15 PM	<a href="#">AERMOD Modeling for the NJ Section 126 Rule</a>	Roger Brode, OAQPS
	1:15 - 1:30 PM	<a href="#">EMVAP Emissions Processor</a>	Bob Paine, AECOM
	1:30 - 1:45 PM	<a href="#">NO<sub>x</sub> Modeling - ARM 2</a>	Mark Podrez, RTP Environmental
	1:45 - 2:00 PM	<a href="#">NO<sub>x</sub> Modeling - PVMRM Evaluation</a>	Steve Hanna, Hanna Consultants
	2:00 - 2:15 PM	<a href="#">Collection of In-stack NO/NO<sub>2</sub> Ratio Information</a>	Dan Dix, ALL4
	2:15 - 2:45 PM	1-hour NO <sub>2</sub> /SO <sub>2</sub> Question & Answer Session (30 minutes)	
2:45 - 3:00 PM	<b>Break</b>		
Emerging Models / Techniques	3:00 - 3:15 PM	<a href="#">Emerging Models / Techniques - EPA Direction &amp; Needs</a>	Tyler Fox, OAQPS
	3:15 - 3:30 PM	<a href="#">Overview of EPA's LRT and Chemistry Model Evaluation Efforts</a>	Kirk Baker, OAQPS
	3:30 - 4:00 PM	<a href="#">LRT Tracer Model Intercomparison and Evaluation Study</a>	Ralph Morris, ENVIRON
	4:00 - 4:30 PM	<a href="#">Single-Source AQ/AQRV Demonstration Project</a>	Bret Anderson, USFS
	4:30 - 4:50 PM	<a href="#">Plume Chemistry Evaluation</a>	James Kelly, OAQPS
	4:50 - 5:10 PM	<a href="#">Screening Approach for O<sub>3</sub> Impacts from New Sources for Sydney, Australia</a>	Ralph Morris, ENVIRON
	5:10 - 5:25 PM	Summary of EPA Efforts/Process Going Forward	Tyler Fox, OAQPS
	5:25 - 5:45 PM	Emerging M/T Question & Answer Session (20 Minutes)	
	5:45 PM	<b>Adjourn for Day</b>	

Thursday, (March 15, 2012)			
	8:30 - 8:45 AM (EDT)	Public Presentation Session - Introductions	Chet Wayland/Tyler Fox, OAQPS
Public Presentations	8:45 - 8:55 AM	<a href="#">AB-3 Meteorology Committee: General Comments</a>	Pietro Catizone, TRC
	8:55 - 9:10 AM	<a href="#">AB-3: Building Downwash Modeling with AERMOD</a>	Lloyd Schulman, Exponent
	9:10 - 9:30 AM	<a href="#">AB-3: Assessment of EPA's ETEX Evaluation Study</a>	Joe Scire, Exponent
	9:30 - 9:45 AM	<a href="#">AB-3: New Developments and Evaluations of the CALPUFF Model</a>	Joe Scire, Exponent
	9:45 - 9:55 AM	WEST Associates Sponsored Work on the CALPUFF Model	C.V. Mathai, West Associates
	9:55 - 10:10 AM	<a href="#">API: Public Comments and Feedback</a>	Steve Hanna, Hanna Consultants
	10:10 - 10:20 AM	<a href="#">AF&amp;PA: Issues Paper Mills Face with Permitting Modeling for SO<sub>2</sub> and NO<sub>x</sub></a>	Ryan Gesser, AF&PA
	<b>10:20 - 10:35 AM</b>	<b>Break</b>	
	10:35 - 10:45 AM	<a href="#">EPRI: Testing of Sub-Hourly Meteorological Data in AERMOD</a>	Bob Paine, AECOM
	10:45 - 10:55 AM	<a href="#">EPRI: Testing of the Practical Distance to Which a Steady-State Model Should be Applied</a>	Bob Paine, AECOM
	10:55 - 11:10 AM	<a href="#">Comparison of Modeled vs. Monitored SO<sub>2</sub> Concentrations from a Network of 5 Monitors in North Dakota</a>	Bob Paine, AECOM
	11:10 - 11:20 AM	<a href="#">A Procedure for Modeling Buoyant Line Sources with AERMOD</a>	Allen Dittenhoefer, Enviroplan Consulting
	11:20 - 11:30 AM	<a href="#">Dispersion of Buoyant Emissions from a Low Level Urban Source</a>	Qiguo Jing, Trinity
	11:30 - 11:35 AM	<a href="#">Modeling Buoyant Volume Sources in AERMOD</a>	Bob Paine, AECOM
	11:35 - 11:40 AM	Issues with AERMOD Modeling of Severe Building Downwash Effects with Nearly Calm Winds	Bob Paine, AECOM
	11:40 - 11:50 AM	<a href="#">Comparison of Met Data &amp; Modeled Concentrations Based on AERMET-Only vs. AERMET+AERMINUTE</a>	George Schewe, Trinity
	11:50 - 12:00 PM	<a href="#">Effects of Met Data Processing on AERMOD Output Concentrations</a>	Sergio Guerra, Wenck Associates
	<b>12:00 - 1:00 PM</b>	<b>Lunch (On Your Own, Cafeteria is Available)</b>	
	1:00 - 1:10 PM	<a href="#">General Issues Presentation Addressing Modeling Needs</a>	Doug Blewitt (AQRM) Dana Wood (BP)
	1:10 - 1:20 PM	<a href="#">NO<sub>2</sub> Model Performance Evaluation Procedures</a>	Doug Blewitt (AQRM) Dana Wood (BP)
1:20 - 1:30 PM	UARG: Public Comments and Feedback	Cindy Langworthy, UARG	
1:30 - 1:40 PM	<a href="#">Comments on Technical Air Dispersion Modeling Issues of Concern to Rio Tinto</a>	Mark Bennett, CH2MHILK	
1:40 - 1:50 PM	<a href="#">Compliance Modeling for the 1-hour SO<sub>2</sub> Standard</a>	Stephen Mueller, TVA	
1:50 - 2:00 PM	<a href="#">Sullivan County, TN - Eastman Special Monitoring Network</a>	Steve Gossett, Eastman Chemical Company	
2:00 - 2:10 PM	<a href="#">Challenges with Modeling for the 1-hr SO<sub>2</sub> NAAQS Standard: An Aluminum Plant Case Study</a>	Ashley Jones, Trinity	
2:10 - 2:20 PM	<a href="#">Experiences and Challenges of 1-hour SO<sub>2</sub> Compliance Demonstration and Designations Modeling</a>	Mark Garrison, ERM	
<b>2:20 - 2:35 PM</b>	<b>Break</b>		
2:35 - 2:45 PM	<a href="#">Evaluations of CALPUFF 6.4; Experience with Modeling for 1 hour NO<sub>x</sub> and SO<sub>2</sub> Compliance in Baltimore; and Using MM5 Data for Local Scale Modeling</a>	Mark Garrison, ERM	
2:45 - 2:55 PM	<a href="#">Recent Development, Evaluation, Applications, and Plans for the SCICHEM Model</a>	Eladio Knipping, EPRI	
2:55 - 3:05 PM	<a href="#">Comparisons of CALPUFF and SCIPUFF with Tracer Gas Observations at Two Mesoscale Field Experiments</a>	Steve Hanna, Hanna Consultants	
3:05 - 3:15 PM	<a href="#">Evaluations of Prognostic Meteorological Models with Field Observations, with Focus on Meteorological Variables used in Dispersion Models</a>	Steve Hanna, Hanna Consultants	
3:15 - 3:25 PM	<a href="#">A Proposed Method to Screen Source Impacts on Potential Background Monitors Using the NCD 6405 Dataset</a>	David Long, AEP	
3:25 - 3:35 PM	<a href="#">Top Five Conventional and Unconventional Ways to Meet the NAAQS</a>	Tony Colombari, Trinity	
3:35 - 3:45 PM	Southern Company: Public Comments and Feedback	Justin Walters, Southern Company	
3:45 - 3:55 PM	Tri-State Generation and Transmission Association, Inc.: Public Comments and Feedback	Andy Berger, Tri-State Generation and Transmission Association, Inc.	
<b>3:55 - 4:10 PM</b>	<b>Break</b>		
4:10 - 5:00 PM	Additional Time for Public Comment and Feedback from Those In Attendance	TBD	
5:00 - 5:30 PM	Public Presentation Session - Closing Remarks	Tyler Fox, OAQPS	
<b>5:30 PM</b>	<b>End of 10th Modeling Conference</b>		