

10th Conference of Air Quality Modeling EPA-Research Triangle Park, NC Campus Final Agenda

Tuesday, (March 13, 2012)

	8:30 - 8:45 AM (EDT)	Welcome and Opening Remarks	Chet Wayland, OAQPS
Appendix W / Model Clearinghouse Update	8:45 - 9:00 AM	Appendix W Status and Updates	Tyler Fox, OAQPS
	9:00 - 9:15 AM	Model Clearinghouse Status and Update	George Bridgers, OAQPS
	9:15 - 9:30 AM	Clarification Memoranda	Roger Brode, OAQPS
	9:30 - 10:00 AM	AERMOD Modeling System Update	Roger Brode, OAQPS
Currently Preferred AQ Models - AERMOD	10:00 - 10:15 AM	AERSCREEN Update	James Thurman, OAQPS
	10:15 - 10:30 AM	Break	
	10:30 - 10:45 AM	AERMINUTE Update	James Thurman, OAQPS
	10:45 - 11:15 AM	AERSURFACE Update	Roger Brode, OAQPS
	11:15 - 11:45 AM	AERMIC Update	Roger Brode, OAQPS
	11:45 - 12:00 PM	AERMOD Question & Answer Session (15 Minutes)	
	12:00 - 1:00 PM	Lunch (On Your Own, Cafeteria is Available)	
	1:00 - 1:15 PM	Use of Equivalent Building Dimensions (EBDs) in AERMOD	Ron Petersen, CPP
AERMOD Applications Development	1:15 - 1:30 PM	AERMOD Low Wind Speed Evaluation Study	Bob Paine, AECOM
	1:30 - 1:45 PM	Modeling of Haul Roads: Best Practices	Randy Robinson, EPA R5
	1:45 - 2:00 PM	Modeling of Fugitive Emissions / Haul Roads	Chat Cowherd, MRI
	2:00 - 2:15 PM	Conformity PM2.5 Hotspot Modeling Guidance	Meg Patulski, OTAQ
	2:15 - 2:45 PM	AERMOD Applications Question & Answer Session (30 Minutes)	
	2:45 - 3:00 PM	Break	
	3:00 - 3:15 PM	CALPUFF Modeling System Update	Tyler Fox, OAQPS
Currently Preferred AQ Models - CALPUFF	3:15 - 3:30 PM	CALPUFF Modeling System Status and Availability	Gale Hoffnagle, TRC
	3:30 - 4:00 PM	CALPUFF Near-field Validation	Roger Brode, OAQPS
	4:00 - 4:15 PM	CALPUFF Question & Answer Session (15 Minutes)	
Prognostic Met Data	4:15 - 4:30 PM	MMIF Prognostic Met Data Processing Tool Overview	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	Adjourn for Day	

Wednesday, (March 14, 2012)

	8:30 - 8:45 AM (EDT)	Overview of EPA's Process & Scope for Updating Appendix W	Tyler Fox, OAQPS
PM2.5 Modeling	8:45 - 9:30 AM	Draft PM2.5 Permit Modeling Guidance	George Bridgers, OAQPS
	9:30 - 10:00 AM	PM2.5 Permit Modeling Panel Discussion (30 Minutes)	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	Break	
1-hour NO2/SO2 Modeling	10:30 - 11:00 AM	Challenges of Modeling for New 1-hour NO2 & SO2 NAAQS	Tyler Fox, OAQPS
	11:00 - 11:15 AM	AERMOD Evaluations under New 1-hour NO2 & SO2 NAAQS	Roger Brode, OAQPS
	11:15 - 12:00 PM	AERMOD Implementation WorkGroup (AIWG) - 1-hour NO2/SO2 Modeling Study	James Thurman, OAQPS Erik Snyder, EPA Region 6
	12:00 - 1:00 PM	Lunch (On Your Own, Cafeteria is Available)	
	1:00 - 1:15 PM	AERMOD Modeling for the NJ Section 126 Rule	Roger Brode, OAQPS
	1:15 - 1:30 PM	EMVAP Emissions Processor	Bob Paine, AECOM
	1:30 - 1:45 PM	NO2 Modeling - ARM 2	Mark Podrez, RTP Environmental
	1:45 - 2:00 PM	NO2 Modeling - PVMRM Evaluation	Steve Hanna, Hanna Consultants
	2:00 - 2:15 PM	Collection of In-stack NO/NO2 Ratio Information	Dan Dix, ALL4
	2:15 - 2:45 PM	1-hour NO2/SO2 Question & Answer Session (30 minutes)	
	2:45 - 3:00 PM	Break	
Emerging Models / Techniques	3:00 - 3:15 PM	Emerging Models / Techniques - EPA Direction & Needs	Tyler Fox, OAQPS
	3:15 - 3:30 PM	Overview of EPA's LRT and Chemistry Model Evaluation Efforts	Kirk Baker, OAQPS
	3:30 - 4:00 PM	LRT Tracer Model Intercomparison and Evaluation Study	Ralph Morris, ENVIRON
	4:00 - 4:30 PM	Single-Source AQ/AQRV Demonstration Project	Bret Anderson, USFS
	4:30 - 4:50 PM	Plume Chemistry Evaluation	James Kelly, OAQPS
	4:50 - 5:10 PM	Screening Approach for O3 Impacts from New Sources for Sydney, Australia	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	Adjourn for Day	

Thursday, (March 15, 2012)			
Public Presentations	8:30 - 8:45 AM (EDT)	Public Presentation Session - Introductions	Chet Wayland/Tyler Fox, OAQPS
	8:45 - 8:55 AM	AB-3 Meteorology Committee: General Comments	Pietro Catizone, TRC
	8:55 - 9:10 AM	AB-3: Building Downwash Modeling with AERMOD	Lloyd Schulman, Exponent
	9:10 - 9:30 AM	AB-3: Assessment of EPA's ETEX Evaluation Study	Joe Scire, Exponent
	9:30 - 9:45 AM	AB-3: New Developments and Evaluations of the CALPUFF Model	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	API: Public Comments and Feedback	Steve Hanna, Hanna Consultants
	10:10 - 10:20 AM	AF&PA: Issues Paper Mills Face with Permitting Modeling for SO2 and NO2	Ryan Gesser, AF&PA
	10:20 - 10:35 AM	Break	
	10:35 - 10:45 AM	EPRI: Testing of Sub-Hourly Meteorological Data in AERMOD	Bob Paine, AECOM
	10:45 - 10:55 AM	EPRI: Testing of the Practical Distance to Which a Steady-State Model Should be Applied	Bob Paine, AECOM
	10:55 - 11:10 AM	Comparison of Modeled vs. Monitored SO2 Concentrations from a Network of 5 Monitors in North Dakota	Bob Paine, AECOM
	11:10 - 11:20 AM	A Procedure for Modeling Buoyant Line Sources with AERMOD	Allen Dittenhoefer, Enviropplan Consulting
	11:20 - 11:30 AM	Dispersion of Buoyant Emissions from a Low Level Urban Source	Qiguo Jing, Trinity
	11:30 - 11:35 AM	Modeling Buoyant Volume Sources in AERMOD	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	Comparison of Met Data & Modeled Concentrations Based on AERMET-Only vs. AERMET+AERMINUTE	George Schewe, Trinity
	11:50 - 12:00 PM	Effects of Met Data Processing on AERMOD Output Concentrations	Sergio Guerra, Wenck Associates
	12:00 - 1:00 PM	Lunch (On Your Own, Cafeteria is Available)	
	1:00 - 1:10 PM	General Issues Presentation Addressing Modeling Needs	Doug Blewitt (AQRM) Dana Wood (BP)
	1:10 - 1:20 PM	NO2 Model Performance Evaluation Procedures	Doug Blewitt (AQRM) Dana Wood (BP)
	1:20 - 1:30 PM	UARG: Public Comments and Feedback	Cindy Langworthy, UARG
	1:30 - 1:40 PM	Comments on Technical Air Dispersion Modeling Issues of Concern to Rio Tinto	Mark Bennett, CH2MHILK
	1:40 - 1:50 PM	Compliance Modeling for the 1-hour SO2 Standard	Stephen Mueller, TVA
	1:50 - 2:00 PM	Sullivan County, TN - Eastman Special Monitoring Network	Steve Gossett, Eastman Chemical Company
	2:00 - 2:10 PM	Challenges with Modeling for the 1-hr SO2 NAAQS Standard: An Aluminum Plant Case Study	Ashley Jones, Trinity
	2:10 - 2:20 PM	Experiences and Challenges of 1-hour SO2 Compliance Demonstration and Designations Modeling	Mark Garrison, ERM
2:20 - 2:35 PM	Break		
2:35 - 2:45 PM	Evaluations of CALPUFF 6.4; Experience with Modeling for 1 hour NO2 and SO2 Compliance in Baltimore; and Using MM5 Data for Local Scale Modeling	Mark Garrison, ERM	
2:45 - 2:55 PM	Recent Development, Evaluation, Applications, and Plans for the SCICHEM Model	Eladio Knipping, EPRI	
2:55 - 3:05 PM	Comparisons of CALPUFF and SCIPUFF with Tracer Gas Observations at Two Mesoscale Field Experiments	Steve Hanna, Hanna Consultants	
3:05 - 3:15 PM	Evaluations of Prognostic Meteorological Models with Field Observations, with Focus on Meteorological Variables used in Dispersion Models	Steve Hanna, Hanna Consultants	
3:15 - 3:25 PM	A Proposed Method to Screen Source Impacts on Potential Background Monitors Using the NCDC 6405 Dataset	David Long, AEP	
3:25 - 3:35 PM	Top Five Conventional and Unconventional Ways to Meet the NAAQS	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.	
3:55 - 4:10 PM	Break		
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	
5:30 PM	End of 10th Modeling Conference		