12th Conference of Air Quality Models
EPA-Research Triangle Park, NC Campus
Final Agenda

Presentations by EPA and Invited Panelists	**Wednesday (October 2, 2019)**		
	8:30 AM	Opening of the 12th Modeling Conference - Day 1	
	8:30 - 8:35 AM	12th Modeling Conference Welcome, Overview, and Logistics	George Bridgers, OAQPS
	8:35 - 8:45 AM	Current Status of the *Guideline on Air Quality Models* (Appendix W to 40 CFR Pat 51) and the EPA's Preferred Air Quality Models	Tyler Fox, OAQPS
	8:45 - 9:00 AM	Update on AERMOD White Papers	Chris Owen, OAQPS
	9:00 - 9:15 AM	AERMOD Modeling System v19191 Update	James Thurman and Clint Tillerson, OAQPS
	9:15 - 10:30 AM	Expert Panel Discussion #1 **(Treatment of Low Wind Conditions)** Rick Gillam - EPA Region 4 Akula Venkatram - Univ. of California Bob Paine - AECOM	Moderator: Chris Owen, OAQPS
	10:30- 10:45 AM	Morning Break	
	10:45 - 11:45 AM	Expert Panel Discussion #2 **(Overwater Modeling)** Bart Brashers - Ramboll Holli Ensz - BOEM Jay McAlpine - EPA Region 10 Akula Venkatram - Univ. of California	Moderator: Clint Tillerson, OAQPS
	11:45 AM - 1:00 PM	Lunch (On Your Own, Cafeteria is Available)	
	1:00 - 2:15 PM	Expert Panel Discussion #3 **(Mobile Source Modeling)** David Heist - EPA ORD Michelle Snyder - Wood Chris Voigt - VA DOT / AASHTO	Moderator: Chris Owen, OAQPS
	2:15 - 2:20 PM	Panel Transition	
	2:20 - 3:50 PM	Expert Panel Discussion #4 **(Building Downwash)** Steve Perry - EPA ORD Ron Petersen - A&WMA PRIME2 Committee K. Max Zhang - Cornell	Moderator: Clint Tillerson, OAQPS
	3:50 - 4:05 PM	Afternoon Break	
	4:05 - 5:05 PM	Expert Panel Discussion #5 **(Prognostic Meteorology)** Bret Anderson - US Forest Service Bart Brashers - Ramboll Ashley Mohr - EPA Region 6	Moderator: Chris Misenis, OAQPS
	5:05 PM	Adjourn for Day	

Thursday (October 3, 2019)		
8:30 AM	Opening of the 12th Modeling Conference - Day 2	

8:30 - 10:00 AM	Expert Panel Discussion #6 **(Near-field & Long-range Model Evaluation Criteria)**
	
	    Bret Anderson - US Forest Service
	
	    Mark Garrison - ERM
	
	    Erik Snyder - EPA Region 6
		Moderator: James Thurman, OAQPS

10:00 - 10:15 AM	Morning Break	

10:15 - 11:00 AM	NO_2 Modeling Techniques
	
	    Chris Owen, OAQPS
	
	    Jeff Panek, Innovative Environmental Solutions
		Chris Owen, OAQPS and Jeff Panek, Innovative Environmental Solutions

11:00 - 11:15 AM	Model Plume Rise	Chris Owen, OAQPS
11:15 - 11:30 AM	Model Deposition	James Thurman, OAQPS
11:30 - 11:45 AM	Model Clearinghouse Status Update and Lean Project	George Bridgers, OAQPS
11:45 AM - 1:00 PM	Lunch (On Your Own, Cafeteria is Available)	

1:00 - 2:00 PM	Single-source O_3 and $PM_{2.5}$ Modeling Techniques
	
	    Kirk Baker, OAQPS
	
	    Leiran Biton, EPA Region 1
	
	    Mike Moeller, EPA Region 4
		Kirk Baker, OAQPS and Mike Moeller & Leiran Biton, EPA Regional Offices

2:00 - 2:15 PM	Modeling Guidance Updates	George Bridgers, OAQPS
2:15 - 2:20 PM	Introduction to and Opening of the Public Hearing	George Bridgers, OAQPS
2:20 - 2:30 PM	A&WMA APM General Comments	Michael Hammer, Lakes Environmental
2:30 - 2:40 PM	API Air Modeling Group Comments	Chris Rabideau, Chevron
2:40 - 2:50 PM	AERMOD's Treatment of the Penetrated Plume – Current Formulation and Suggestions for Improvement	Bob Paine, AECOM
2:50 - 3:00 PM	An Alternative Implementation Of AERMOD's Penetrated Plume Treatment	Ken Anderson, AmerenUE
3:00 - 3:15 PM	Afternoon Break	
3:15 - 3:25 PM	AISI Comments Regarding Improvements for Modeling and Permitting Procedures	Bob Paine, AECOM
3:25 - 3:35 PM	Current Updates to the CALPUFF Model	Christopher DesAutels, Exponent
3:35 - 3:45 PM	Permit Modification Modeling Challenges with $PM_{2.5}$ Primary and Secondary Emissions	Mary Kaplan, AECOM
3:45 - 3:55 PM	Innovative Techniques for the AERMOD System	Christopher Warren, AECOM
3:55 - 5:00 PM	Public Hearing	*Individuals that did not reserve time to speak in advance.*
5:00 PM	End of 12th Modeling Conference and Public Hearing	

Public Presentations and Comments