

9th Conference on Air Quality Modeling

Draft Agenda

9 - 10 October 2008
Research Triangle Park, NC

DAY 1 – October 9, 2008

8:30-9:00 Introduction and Opening remarks
Richard “Chet” Wayland, Division Director, Air Quality Assessment Division
Tyler Fox, Leader, Air Quality Modeling Group

9:00-10:00 Appendix W Refresher (2-3 presentations by OAQPS)

Provide program overview and how current process is intended to work. The goal is to provide clarity and understanding to stakeholders as well as updates on various efforts in support of NSR/PSD permit activities including but not limited to reinstating the Model Clearinghouse. We will also discuss what modeling is covered by Appendix W and the differing demands for non-guideline applications that place different demands on model skill and necessitate new thoughts on evaluation methods and techniques.

10:00-10:15 BREAK

10:15-12:00 Current Guideline Models - AERMOD (3-4 Presentations)

- I. AERMOD Modeling System
 - 1. System status and updates (AERMOD, AERMET, AERMAP)
 - 2. Status and update on AERMOD non-regulatory tools
 - AERSCREEN
 - AERSURFACE
 - 3. AERMOD Implementation Group
 - 4. AERMIC update

12:00-1:00 LUNCH BREAK (ON YOUR OWN, CAFETERIA IS AVAILABLE)

1:00-3:00 Current Guideline Models - CALPUFF (3-4 Presentations)

- II. CALPUFF
 - 1. Update and Regulatory Status
 - 2. Science and Implementation Issues
 - 3. Performance Evaluation
 - 4. Summary of Next Steps

3:00-3:15 BREAK

3:15-4:15 Non-guideline Applications (3-4 presentations)

Provide presentations with an overview of several applications of dispersion models that are not covered by Appendix W but are important for environmental programs and policy work.

1. National Air Toxics Assessment (NATA)
2. State Implementation Plan (SIP) Demonstrations
3. NEPA

4:15-5:30 Use of Gridded MET in Dispersion Models (2-3 Presentations)

This session is designed to follow up from discussions at 8th Modeling Conference on this topic of exploring the state-of-the-science of these assimilated data output and discuss where the Agency stands on this effort with respect to informing Appendix W models.

DAY 2 – October 10, 2008

8:30-9:00 Summary of Day 1 Discussions

9:00-10:15 Review of Current and Available Model Evaluation Methods (Panel Discussion)

This session will follow up from discussion at the 8th Modeling Conference and provide an overview of current model evaluation methods and discuss new approaches and methods available in conducting model performance evaluations for meteorological and air quality models.

10:15-10:30 BREAK

10:30-12:00 Review of New and Emerging Models/Techniques for Future Consideration (Panel Discussion).

This session will consist of presentations on new and emerging models and techniques for EPA consideration under Appendix W and panel discussion of current capabilities and future work required to meet regulatory needs.

1. Long range transport modeling (particle, puff, etc.)
2. Single-source modeling for O₃ and PM_{2.5} including source apportionment techniques in CMAQ/CAMx

12:00-1:00 LUNCH BREAK (ON YOUR OWN, CAFETERIA IS AVAILABLE)

1:00-1:30 Summary of Day 2, Morning discussions

**1:30-5:00 Public Presentations
(As needed)**