

RPO National Technical Workgroup Meeting St. Louis, MO November 4-6, 2003

Theme: Integration

Original Agenda (Revised October 25, 2003)

Agenda Revisions Made at Meeting

DAY 1 – Tuesday, November 4, 2003

12 – 1	Training room available for VIEWS/CATT Hands-On Training (PCs and trainers also available during the course of the meeting) Director's Row 46, 4th Floor		
1 – 1:30	<u>PLENARY SESSION</u>	Promenade Ballroom D, 2nd Floor	
	Welcome and Logistics	RPO Directors and Bill Beal	
	Goals of the Meeting	Discussion Group Leaders	
	VIEWS & CATTS training announcement	McClure/Husar (10 minutes)	CATT and FASTNET Introduction VIEWS Introduction
1:30 – 4:30	Discussion Groups Meeting (based on the following agenda):		
	<u>MONITORING and DATA ANALYSIS</u>	St. Louis Ballroom H, 4th Floor	
1:30 – 1:45	Welcome & agenda overview	Pitchford & Poirot	

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Introductions (around the room)

1:45 – 3:00	RPO data/monitoring overviews (15 min/RPO)	Each RPO Rep.
3:15 – 3:40	CENRAP KS satellite super site monitoring	Jay Turner
3:40 – 4:00	Midwest RPO ion study	Donna Kenski
3:00 – 4:30	IMPROVE ion study	Jeff Collett

Agenda Revisions Made at Meeting

RPO Data/monitoring overviews (15 min/RPO)	Marc Pitchford Rich Poirot Scott Reynolds Ray Bishop Donna Kenski
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**Presentation part of
MRPO update

EMISSION INVENTORY

**St. Louis Ballroom G,
4th Floor**

Welcome and Agenda Overview

Introductions

RPO Discussion/Consensus Session –	Moderators: Laura Boothe and Tom Moore
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8-9 projects, each for 25-30-minute in-depth
presentations/discussion

- | | |
|---|--|
| <ul style="list-style-type: none"> • WRAP Windblown Dust
Model development project • WRAP Ammonia EI
Improvement project • WRAP Point/Area Chemical
Speciation/Temporal
Allocation Profile
Improvement project | <ul style="list-style-type: none"> • WRAP Windblown
Dust EI Ralph Morris • EPA/EIIP
Windblown Dust Tom Pace • WRAP Point/Area
Chemistry/Temporal
Profiles QA Tom Moore |
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Original Agenda (Revised October 25, 2003)

- MWRPO CEM/EGU analysis
- MWRPO NH3 Temporal Work/Ammonia Model Project
- MWRPO Nonroad Project (vessels, motorboats, ag, const, Rrs)
- MWRPO Area Source EI Methods Comparison project
- MWRPO IPM Review project
- VISTAS states 2002 inventory compared to 99 NEI

Agenda Revisions Made at Meeting

- MWRPO CEM/EGU Analysis Mark Janssen
- EPA Commitment to reformat CEM/EGU data Marc Houyoux
- MWRPO Nonroad Mark Janssen
- MWRPO Area Source EI Methods Mark Janssen
- EPA Area Source Calculations for 2002 NEI Pat Brewer
- MANE-VU Residential Wood Combustion Survey Megan Schuster

Photochemical and Meteorological MODELING St. Louis Ballroom F, 4th Floor

1:30	CENRAP Update	Calvin Ku
1:45	MANE-VU Update	
2:00	MIDWEST RPO Update	Kirk Baker
2:15	VISTAS Update	Sheila Holman
2:30	WRAP Update	John Vimont
3:00	Review last year's work and goals for this meeting	Chad Daniel
3:30	EPA Modeling Guidance Update	Brian Timin
4:00	RPO Grant Guidance Review	Rosalina Rodriguez

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PLENARY SESSION

**Promenade D, 2nd
Floor**

4:30 – 5:30 Session on PM Forecasting
hosted by Monitoring & Data
Analysis Group and open to all

Jim Szykman

5:30 **ADJOURN**

4:30 – 6:30 Training room available for
VIEWS/CATT Hands-on
Training

**Director's Row 46, 4th
Floor**

DAY 2 – Wednesday, November 5, 2003

7:30 – 8:30 Training room available for
VIEWS/CATT Hands-On
Training

**Director's Row 46,
4th Floor**

8:30 – 11:30 Discussion Groups (based on the following agenda):

MONITORING and DATA ANALYSIS

**St. Louis Ballroom H,
4th Floor**

8:30 – 9:30 Causes of Haze Assessment
(WRAP/CENRAP)

Mark Green

Dave DuBois

9:00 – 9:30 SEARCH & VISTAS special
studies

Eric Edgerton

9:30 – 9:50 Northeastern Monitoring Studies

George Allen

10:00 – 10:30 Ohio University Database &
Analytical Tool

Kevin Crist

Kevin Crist and Charlie
Crawford

10:30 – 11:15 VIEWS update and Plans

Shawn McClure

11:15 – 11:30 Group Discussion – Opportunities
for Coordination

Rich Poirot

Postponed until 11/6

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EMISSION INVENTORY

**St. Louis Ballroom G,
4th Floor**

Status Report on 2002 National Wildfire EI Projects	Pete Lahm, USFS & WRAP	EPA Briefing	David Misenheimer
General fire EI discussion	Pete Lahm, USFS & WRAP	NEISGEI Overview	Stefan Falke
Midwest RPO Fire Emissions Project	Mark Janssen, Midwest RPO	RPO Virtual Inventories Inventory Schedules	Mark Janssen/Tom Moore
VISTAS Fire Emissions Project	Greg Stella, VISTAS	EI Projection Issues	Greg Stella
EPA Fire Emissions Work	Tom Pace, OAQPS	EPA plans/projects Soil Ammonia Presentation	Marc Houyoux Tom Pace
Questions for EPA: Haze SIP EI Requirements and Discussion	Tom Moore, WRAP	Fire Emissions Projects	
	<ul style="list-style-type: none"> • Coordination of consistent EI methods with EPA regions across RPO regions • Clear Guidance on the use of Transport fractions • Clear Guidance on reconciliation of modeling versus SIP inventories • Specific list of area/nonroad categories to include • Finalization of new Motor Vehicle NH3 emission factor • Requirement for use of CEM versus State EGU inventory 	<ul style="list-style-type: none"> • MWRPO Fire • VISTAS Fire • EPA Fire • Fire Data Bases 	<ul style="list-style-type: none"> Mark Janssen Pat Brewer Tom Pace Stefan Falke

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EPA briefing on: Phil Lorang

- How the 2001 CERR is incorporated into 2002 NEI
- How the 2002 “interim” NEI will be grown from the 1999 NEI
- How state data will incorporate state/tribal data splits into 2002 NEI

	<u>Photochemical and Meteorological MODELING</u>	St. Louis Ballroom F, 4th Floor	Changed location to St. Louis Ballroom E, 4th Floor
8:30	CAMx4 Model Performance at Super Sites/Grid Resolution	Kirk Baker	
9:00	Model Performance Evaluation Tool	CENRAP	Betty Pun
9:30	Synthesized REMSAD modeling (BRAVO)	John Vimont	
10:00	VISTAS CMAQ Sensitivity Applications	Jim Boylan	
10:30	Recent WRAP Modeling	WRAP	
11:00	Application of CMAQ to assess particulate matter using two chemistry modules	Gopal Sistla	Cancelled
11:30 – 1:00	<u>LUNCH</u> and training room available for VIEWS/CATTS Hands-On Training	Director’s Row 46, 4th Floor	

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1:00 – 2:30	<u>PLENARY SESSION</u>	St. Louis Ballroom H, 4th Floor	
	Update on Natural Background Guidance	Neil Frank	Guidance for Estimating Natural Visibility Conditions Under the Regional Haze Rule
			Tracking Progress Under the Regional Haze Rule
	Presentation on Natural Background	Dan Jacob	
	Data Analysis for Transport Rule	Doug Solomon	Fred Dimmick
15 min.	<u>BREAK</u>		
2:45 – 5:30	Discussion Groups Meeting (based on the following agenda):		
	<u>MONITORING and DATA ANALYSIS</u>	St. Louis Ballroom H, 4th Floor	
2:45 – 3:15	Aerosol extinction methodology assessment	Doug Lowenthal	
3:14 – 3:45	Comparison from co-located IMPROVE/STN sites	Dennis Crumpler	
4:00 – 4:15	Update on Las Vegas Toxic Metals Workshop	George Allen	
4:15 – 4:30	Update on RPO & EPA Fire Emissions Systems	Tom Moore	
4:30 – 5:00	Updates on new multi-RPO initiatives (Natural Haze Sensitivity Assessment, CATT, FASTNET)	Poirot/Pitchford	Included in Husar discussion
5:00 – 5:30	Uses of non-standard data for	Rudy Husar	

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haze analysis

EMISSION INVENTORY & MODELING

(Joint Session)

Timelines for Inventory Development
OPEM, Ammonia Model
Emissions sensitivity related modeled runs

St. Louis Ballroom E,
4th Floor

Agenda Revisions Made at Meeting

JOINT SESSION

- OPEM Mark Janssen
- Ammonia and WB Dust EI projects Ralph Morris
- Projections of Visibility Ralph Morris
Kirk Baker
- Improvement and modeling sensitivity analysis Marc Houyoux
- SMOKE Improvement

Discussion Items

- Inter-RPO timing, coordination, and deliverables
- Use of Dust Transport Fractions

EMISSION INVENTORY

- Fire Emissions Projects Pete Lahm
- National Wildfire EI

5:30

ADJOURN

DAY 3 – Thursday, November 6, 2003

7:30 – 8:30

Training room available for
VIEWS/CATT Hands-On
Training

Director's Row 46

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8:30 – 12:30 Discussion Groups Meeting
(based on the following agendas):

MONITORING and DATA ANALYSIS

**St. Louis Ballroom H,
4th Floor**

8:30 – 9:15	Discussion of Monitoring & Data Analysis & Schedules in RPO Grant Guidance	Pitchford & Rodriguez
9:15 – 10:00	Discussion of opportunities for integration of RPO Data Analysis Activities (VIEWS, CATT, FASTNET, Modeling, etc)	Poirot and all
10:30 – 11:00	Updates from EI & Modeling Groups	TBA
11:00 – 11:45	Discussion for Opportunities for Coordinating Integration of Future RPO/EPA/IMPROVE Monitoring Activities	Collett/Allen/All
11:45 – 12:30	Discussion of next years workgroup process, co-chairs, etc., and any unfinished business	Poirot/Pitchford/All

EMISSION INVENTORY

**St. Louis Ballroom G,
4th Floor**

Ideas for tracking and registry of inventories –
Methods to exchange the data and maintain version control of inventories, including prospective schedule for keeping in touch as EIs are revised – Tom Moore and Mark Janssen
(Combined schedule of major EI milestones for

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- Electric Utility Growth Methodology Review Mark Janssen
- Building a Better Ammonia NEI Marc Houyoux
- Revision of the NEI of Ammonia from Animal Husbandry Marc Houyoux

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each RPO – Tom drafting. Review of minimum quality assurance needs and website formats for emissions data exchange – Mark drafting.)

EPA Projection Issues – *Pat Brewer* – open discussion, brainstorming

Emissions Closeout Session – *Laura and Tom* - Discussion of cooperative projects/combining resources, review remaining issues, selection of next year’s workgroup co-chairs

MODELING Plans for next year

**St. Louis Ballroom F,
4th Floor**

8:30 Selection of next years co-chairs

9:00 MM5 Sensitivity Analysis Applications (VISTAS)

Mike Abraczinskas

10:00 Meteorological Modeling Issues Discussion

Kirk Baker
Mike Abraczinskas
Chad Daniel

10:30 Discuss goals for group for the

11:00 Ideas for the next national RPO technical meeting

12:30 **ADJOURN**

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- Emission Modeling
Survey Results
- “Grill Phil” Questions All
for EPA
- Closeout Tom Moore