

**WRAP FEJF Meeting
June 15 - 16, 2004
Portland, Oregon**

Comprehensive List of Attendees

FEJF Members:

Pete Lahm, USDA-FS, FEJF Co-Chair; Ron Klein, AKDEC, FEJF Co-Chair; Darla Potter, WDEQ-AQD, FEJF Co-Chair; Dave Randall, Air Sciences Inc.; Mark Fitch, AZDEQ; Bob Palzer, Sierra Club; Angel McCormack, Nez Perce Tribe; Mark Wagoner, Farmer; Mike Ziolk, OR DOF (sitting in for Jim Lawrence);

Outer Circle Participants:

Don McKenzie, USDA-FERA; Sam Jackson, NV BAQP; Brian Mitchell, NPS-ARD; Jim Russell, USDA-FS/USDI-BLM; Suraj Ahuja, USDA-FS; Lisa Bye, BLM/FWS/NPS in NM; Brian Bischof, USDA-FS Region 2; Neva Sotolongo, CARB; Coleen Campbell, CO APCD; Steve Body, EPA Region 10; Paul Schlobohm, BLM; Corky Martinkovic, AZ DEQ; Ron Heavner, USDA/NRCS; Dave Strohm, UT DEQ; Darrel Johnston, WA DNR; Bob Habeck, MT DEQ; Melanie Lombardo, AK DEC; Lisa Riener, Quinault Nation; Deb Wolfe, MT DEQ

Other WRAP Participants:

Cathy Messerschmidt, NTEC, Tribal Caucus Coordinator; Don Arkell, WESTAR, State Caucus Coordinator; Tom Moore, WGA, WRAP Technical Coordinator; Pat Cummins, WGA, WRAP Co-Director; Lee Alter, WGA, WRAP Policy Analyst

JUNE 15, 2004 8:00 AM – 5:00 PM

Introductions (All) & Agenda Review

Announcements

- Ron Klein, AK DEC has been restructured with Ron moved to work only with Water, therefore he is stepping down as FEJF Co-Chair in June. Melanie Lombardo from the AK DEC will become the AK outer circle participant in the FEJF.
- Darla Potter, WY DEQ has agreed to step up as FEJF Co-Chair in June to take Ron's place
- Emphasis for alternatives to attend if FEJF Members cannot attend the meetings.
- Industry FEJF Member Dick Hayslip is pursuing an alternate.
- A State FEJF Membership position is open and needs to be filled as Diane Riley has stepped down. Montana and Nevada are considering this position.
- Alaska will act as a State alternate.
- EPA FEJF Membership participation will be key to maintain with John Kennedy taking on a special assignment at EPA for a year or so.
- An Academic FEJF Membership position on the forestry side needs to be filled, previously held by Phil Omi.
- A Private Rangeland FEJF Membership position is open.
- A Tribal FEJF Membership position is still open.

- Cathy Messerschmidt requested a timeline for the FEJF tasks and an estimate of the time commitment to support recruitment of a Tribal Member. She can provide a template of the information she is requesting from each Forum.

TOC Meeting Review & Overview of Ongoing Technical Projects

[See presentation by Tom Moore posted on the FEJF website.]

Emphasis on competition for resources due to a number of factors

- Ongoing technical projects (RMC, EDMS, CoH, AoH, etc.)
- WGA/NTEC Administrative Expenses
- Competition with other RPOs

Jim Russell wants to see us identify the long-term goal and objective.

Phase I Inventory Status Overview (Dave Randall, Air Sciences)

Wildfire / Prescribed Fire / Agricultural Burning

[See presentation by Air Sciences posted on the FEJF website.]

[See Essential Documentation by Air Sciences posted on the FEJF website.]

- Essential Documentation for the Phase I Inventory is available in Draft form for review by the ETT.
- Tribal burning data is not explicitly included but where information is included in other data sets (NIFC, state SMPs, etc.) it is included.
- Agricultural burning is included in Phase I as the 2018 typical base smoke management.
- WFU events are not specifically identified within the inventory, this would need to be something to consider for Phase II. There is also not an SCC for WFU. 2002 may predate extensive use of WFU throughout the WRAP region.
- The ultimate uses (modeling, CERR, EDMS, etc.) of this data inventory will be key in determining how refined to make it in Phase II.

Awards

In recognition of the work that has occurred over the past few years in multiple task teams (Basic Smoke Management Programs, Public Education & Outreach, Emissions Task Team, Enhanced Smoke Management Programs, Annual Emissions Goals, Fire Tracking Systems, STIP-II Template, Prescribed Fire Plan Assessment, Non-Burning Alternatives on Wildland, Non-Burning Alternatives on Agricultural Land).

- Those presented at the meeting: Brian Mitchell, Suraj Ahuja, Mark Wagoner, Darla Potter, Mark Fitch, Dave Randall, Jim Russell, Mike Ziolk, Bob Palzer, Lisa Riener, Pete Lahm, and Ron Klein.
- Those not presented at the meeting: Ann Acheson, Jeff Schmidt, Diane Riley, Scott Kuehn, Frances Bernards, Bryan Jenkins, Brian Finneran, Mike Dykzeul, John Kennedy, Larry Biland, Dennis Haddow, John Veranth, Sam Sandberg, and Pat Shaver.

State Submittal CERR Phase I Contract Amendment (Dave Randall, Air Sciences)

Methodology – Consolidated Emissions Reporting Rule (CERR)

This task is to prepare files that WRAP states may submit to US EPA in partial fulfillment of States' emission inventory reporting requirements per the federal Consolidated Emissions Reporting Rule (CERR). Air Sciences Inc. will process and summarize data from its recently

completed 2002 emission inventory for wildfire and prescribed fire in the 14-state WRAP region. In addition to the preparation of the National Inventory Format (NIF) ready files, this task includes quality control (QC) tasks, essential documentation, and preparation of summary graphics for the WRAP's Smoke Management Planning Workshop in Portland, OR on June 16 & 17, 2004.

Methodology.

1. Read in EI file for 2002 wildfire (WF) and prescribed burning (RX).
2. Prepare data files for each state in the 14-state WRAP region (See Table 1).
3. Data in data files (Area Source format) will include:
 - Per county emission totals for each CERR pollutant (see Table 2) for WF. Each record will also contain CERR data elements included in Table 3.
 - Per county emission totals for each CERR pollutant (see Table 2) for RX - broadcast. Each record will also contain CERR data elements included in Table 3.
 - Per county emission totals for each CERR pollutant (see Table 1) for RX – pile. Each record will also contain CERR data elements included in Table 3.
- ***Data can be provided in Point Source format if required***
4. Data will be QC'd in several ways, including agreement of emission totals in prepared files with emission totals in the emission inventory and precision of the scripts/methods in writing data to the prepared files.
5. Data will be provided to the WRAP in NIF-format ready files for each state.
6. Prepare essential documentation for States that utilize WF and RX CERR files.
7. Summarize data and prepare graphics in preparation for WRAP Smoke Management Planning Workshop.

<p>Table 1 - WRAP States</p> <p>AK AZ CA CO ID MT ND NM NV OR SD UT WA WY</p>	<p>Table 2 - CERR Pollutants</p> <p>SO2 VOC NOX CO Pb Primary PM2.5 Primary PM10 NH3</p>
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Table 3 - CERR Data Elements

1	Inventory year (2002)
2	Start date (20020101)
3	End Date (20021231)
4	Inventory type
5	State FIP
6	County FIP
7	SCC
8	Emission Factor
9	Activity/throughput level (annual)
10	Total Capture/Control Efficiency (0)
11	Rule Effectiveness (0%)
12	Rule Penetration (0%)
13	Pollutant code
14	Summer/winter weekday emissions
15	Annual emissions
16	Winter throughput (%)
17	Spring throughput (%)
18	Summer throughput (%)
19	Fall throughput (%)
20	Hrs/day in operation (12)
21	Days/wk in operation (7)
22	Wks/yr in operation (52)

- Needs Question - The FEJF needs to determine if the 2002 inventory should be processed into this product to meet the reporting obligations for the WRAP states/tribes.
- Although the inventory was not developed for this purpose, is data appropriate to use for this purpose?
- Time Constrained - July 1 deadline for submittal to the NEI. What about submitting it later (September) so that it doesn't delay the Phase II inventory work?
- Relatively efficient mechanism to process the data in a known manner, versus a mysterious manner by EPA to fill in the data on their own if it is not provided by the states.
- EPA uses this NEI data for modeling, trends analysis, rulemaking decisions, etc.
- Outside the scope of the current FEJF Workplan and budget (~\$12,000). Would delay Phase II inventory work due to the time commitment (140 hours) by Air Sciences if done by a July deadline versus a September timeframe.
- 2002 Wildfire Inter-RPO RFP already includes the creation of CERR formatted files which has a Fall due date.
- Don Arkell will ask the states regarding their interest in this as well as the timing of the submittal in September instead of July. Wildfire, Prescribed Fire, and Agricultural Burning.
- Tom Moore will ask EPA if a September submittal will be acceptable.

National Fire Emissions Technical Conference (Pete Lahm)

[See presentation by Pete Lahm posted on the FEJF website.]

Conclusions / WRAP Website Posting of 85 Presentations / Follow-Up Issue Calls / Final Report – EPA and ECR

Phase I Inventory Continuing Work (Dave Randall, Air Sciences)

Methodology – Phase 1 Agricultural Burning State & Tribe Outreach

Prepare agricultural burning review package for WRAP states, and 2 or 3 Tribes. To include:

- Background/context description.
- Potential uses (modeling) of the agricultural burning data.
- Discussion of options to include/not include agricultural burning in the model evaluation runs.
- Summary and presentation (state-specific) of the 2018 Agricultural Burning - Base Smoke Management emission inventory. Summaries will include: agricultural burning emissions maps for the emissions inventory domain, showing all counties and specific Reservations with agricultural burning emissions, summarized to annual resolution.
- Request for specific review and feedback (technical) on the 2018 Agricultural Burning inventory.
- Follow-up work to maximize timely responses from states and Tribes.
- Summary report of findings of state and Tribal responses.

Methodology – Rangeland Burning on Private Lands – Design Process for Development of Emission Inventory

Conduct a Strawman process to:

- Identify sources for activity data for rangeland burning on private lands.
 - Identify method for collecting activity data.
 - Identify suite of technical methods for developing rangeland burning emissions inventory (e.g., emission factors, plume characteristics, fuel loading, fuel consumption, etc.).
- Overview of prior rangeland and agricultural burning FEJF inventory approaches.
 - There is not centralized reporting for private rangeland burning and agricultural burning throughout the WRAP states/tribes therefore, necessitating these refinement efforts.
 - Both of these efforts would need to be completed by September.
 - Rangeland Approach - Bottom-up approach for rangeland burning on private lands starting with where to even start to gather this data
 - Agricultural Outreach - QA/QC approach with previously prepared typical agricultural burning FEJF inventory as the starting point

California Fire Emissions Inventories (Neva Sotolongo, CARB)

[See presentation by Neva Sotolongo posted on the FEJF website.]

Workplan Discussion (Pete Lahm & Darla Potter & Ron Klein)

[See presentation by Darla Potter posted on the FEJF website.]

Review 2004 Workplan / Preliminary 2005 Priorities / Long Range 06/07 Tasks

Overview provided as food for thought and continued discussion on June 16 and at the June 16-17 Smoke Management Planning Workshop. The meeting participants were asked to identify specific needs to finish 309 implementation (commitments made in the WRAP fire-related Policies) as well as for the 308 regional haze SIPs. The key questions are: are we missing something? are we misguided?

Key considerations for the 2005 Workplan pointed out by Pat Cummins
Execution of projects is key
More detailed descriptions for the projects has become more important
The 308 and 309(g) SIP timeframe for planning needs the key date is January 2007
The projects need to relate to the WRAP Strategic Plan

2002 Inter-RPO Wildfire with Optional Tasks Status (Pete Lahm)

[See presentation by Pete Lahm posted on the FEJF website.]

RFP is now closed – three proposals submitted

JUNE 16, 2004 8:00 AM - NOON

Schedule Next Two Meetings

- September 8-9, 2004 – Location TBD
 - Cathy M. will seek out a Tribe to host the September meeting Kucyune near Yosemite, fly into Fresno
 - Other location suggestions are Denver CO, Whitefish MT, Missoula MT, Pingri Park CO, Colorado Springs CO
- December 7-8, 2004 – Location TBD
 - Future suggested presentation by Paul Ervin on ag burning and emissions credits/tradeoffs, Cathy M. contacted him.

Emissions Task Team Report (Pete Lahm & Mark Fitch)

Phase II Tasks and Approaches

- FEJF will continue sole-source contract with Air Sciences for Phase II.
- Draft outline has been prepared for the Phase II items taking into account the limited timeframe (September due date) and will be finalized within the next two weeks.

Phase III and IV (“Baseline” and 2018 Projections)

- An RFP will be developed.
- Also optional task in 2002 Wildfire EI RFP for the “Baseline” Inventory.
- Timeline: Phase III - January 2005, Phase IV - June 2005

Sensitivity Analysis

- Workplan has been revised and will be forwarded to the RMC.
- Stepwise progression on some of the sensitivity analyses runs to understand what the model does with the various inputs.
- More funding is probably necessary based on the revised workplan.
- Phase II: Regional & Mescoscale has affected the revision of the sensitivity analysis workplan. This was previously worked on as the de minimus project lead by Diane Riley and Mark Fitch.

Emissions Reduction Techniques Guidance

- Annotated Bibliography by MACTEC has been completed.

- A note will be posted on the FEJF website indicating that hardcopies can be requested from WGA by contacting Deb Kinsley.
- The poster will be at the SMP Workshop today and tomorrow.

Next Step: Development of a Task Team (See Notes from March 2004 meeting on this topic)

- The need is for a methodology to calculate the benefit of the use of Emission Reduction Techniques and the documentation.
- Saraj Ahuja, Angel McCormack, David Strohm, Dan Redline (IDDEQ) volunteered by Diane Riley, Sam Jackson, Lisa Bye, Jim Russell, Don McKenzie (surrogate for Roger Ottmar), Bob Palzer, Bob Habeck, Deb Wolfe, Corky Martinkovic (Marsha), Patrick Gaffney from CARB suggested
- Staff leadership by Lee Alter and Pat Cummins to kick this off and then hand it over to those participants. So someone from the FEJF will need to step up to the plate to take the lead once it gets underway. Mark Fitch and Pete Lahm will talk with Lee and Pat to bring them up to speed to help jump start this important project.

EDMS Status and Issues (Tom Moore & Pete Lahm & Mark Fitch)

[See presentation by Tom Moore posted on the FEJF website.]

- Implication for the 2005 Workplan
- Technical coordinator concept
- Small Group: Pete, Mark, Tom, Pat to further this discussion and solve this issue

Natural & Anthropogenic Guidance (Bob Habeck)

- Draft document on its 5th version
- Task Team feels comfortable with the progress to date and there is agreement on what is being moved forward. The Task Team will have a lunch meeting on June 17 to move forward toward a 6th version.
- The FEJF will proceed forward as has been done with other Policy and Guidance documents in review and finalization. The FEJF will review the document once the Task Team does another revision. Then the FEJF will evaluate whether facilitated outreach or a workshop is necessary. Additional review after the FEJF review will be coordinated in part through Don A. and Cathy M. with specific direction in regard to the part of the document that is the most important to review.
- Keep 10,000 in the 2005 Workplan incase facilitate outreach is necessary.

Workplan Discussion Continued (Pete Lahm & Darla Potter & Ron Klein)

Suggested additions:

- Speciation profiles (being addressed in the 2002 Inventory Phase II)
- 308 SIP/TIP “Roadmap” (being addressed by AMC?)

Continue to work toward the following:

- Provide Detailed Descriptions,
- Identify Needs & Priorities (what on the list and why, consequences of not doing, who to do, how to do),
- Concentrate on execution of efforts underway and moving others forward, and

- For the long-term (06/07), better projections are needed to support future funding competition with the other RPOs.

Attribution of Haze Project Status (Mark Fitch & Tom Moore)

[See presentation by Tom Moore posted on the FEJF website.]