



WRAP Workshop on Fire, Carbon, and Dust
May 23-24, 2006
Sacramento, CA

The primary goal of the workshop is to present and discuss the WRAP's key technical results regarding fire, carbon, dust, and their implications for the regional haze strategies to be included in SIPs and TIPS. With much of the WRAP's technical work complete, the workshop will provide an opportunity to align regional strategies with supporting data and to guide the completion of the technical work. Carbon and dust share several qualities that enable their joint discussion at this workshop. Much of the carbon and all of the dust are emitted directly into the atmosphere and not formed through chemical transformations. Significant portions are emitted episodically and in the coarse size mode, and much of the emissions are natural. There are also significant uncertainties regarding their current and future emissions and the amount that is truly natural.

All WRAP members and stakeholders are encouraged to attend this workshop. Its objectives, audience, and format will be similar to the sulfate and nitrate workshop hosted in Tuscon on January 10-11, 2006. Time will also be allotted for updates and discussion on other issues related to the regional haze SIPs and TIPS, such as emissions, air quality modeling results, and control strategies for other pollutants. Note, this meeting was initially planned for May 24-25, but is instead being held on May 23-24.

RSVP by May 17 to Lee Alter at lalter@westgov.org or 520-628-3173

Hotel Information

Holiday Inn Capitol Plaza
300 J Street
Sacramento, CA 95814
916-446-0100 or 800-465-4329

A room block has been set up for May 22-24, with a few rooms on the 25th under "WRAP" at a contracted rate of \$94.00 per night, single occupancy.

Rooms will be held in the block until April 25.

Transportation

The Holiday Inn Capitol Plaza hotel is a 10 minute drive from the Sacramento airport. Transportation to and from the airport is available through Super Shuttle at a one-way rate of \$14 per person. Prior reservations are not required. Follow the signs to Ground Transportation upon arrival in Sacramento to arrange for Super Shuttle service to the Holiday Inn.

Tuesday, May 23

8:00 Introductions and Workshop Overview

Summary of WRAP and Other Relevant Data Regarding Carbon and Fire

8:15 State of the Science on Sources of Carbonaceous Aerosols and Their Contribution to Regional Haze [*John Watson, DRI*]

9:00 Emissions of Carbon from Fire and Other Sources

- Fire emissions [*Dave Randall, Air Sciences*]
- Other emissions (mobile, wood combustion, etc.) [*Alice Edwards, AK*]

9:45 Regional Air Quality Modeling [*John Vimont, NPS*]

- Model performance and uncertainty with respect to carbon
- Air quality and visibility changes expected between 2002 and 2018
- Modeled source apportionment results

10:15 Break

10:30 Ambient Monitoring and Data Analysis

- Long-term trends, spatial-temporal patterns of carbon, and its contribution to haze [*Joe Adhloch, Air Resource Specialists*]
- Receptor modeling source apportionment results [*Mark Green, DRI*]

11:15 Weight of Evidence [*Joe Adhloch, Air Resource Specialists*]

- Case studies
- Technical Support System website

12:00 Lunch

1:00 Policy Tools and Discussion of Next Steps

- Overview of WRAP fire policies and guidance and examples of how they've been used [*Darla Potter, WY and Mark Fitch, USFS*]
- Information available from other organizations (FLMs, states, etc)

3:00 Break

Update on Other WRAP Results

3:30 Possible Topics Include:

- 2018 base case projections and major source contributors
- Future emission reductions from non-haze programs (CA SIPs, 4 corners O&G task force, federal locomotive and marine standards, etc.)
- Other potential haze control strategies (e.g., non-stationary sources)

Please provide any preferences to Lee Alter at lalter@westgov.org.

5:00 Adjourn

Wednesday, May 24

Summary of WRAP and Other Relevant Data Regarding Dust

- 8:30 Dust Emissions
- Fugitive emissions from construction and agricultural activities, paved and unpaved roads, and point sources [*Alice Edwards, AK*]
 - Windblown dust emissions [*Gerry Mansell, ENVIRON*]
 - Natural vs anthropogenic sources [*Julia Lester, ENVIRON*]
- 9:40 Regional Air Quality Modeling [*John Vimont, NPS*]
- Model performance and uncertainty with respect to dust
- 10:00 Break
- 10:30 Ambient Monitoring and Data Analysis
- Long-term trends, spatial-temporal patterns of dust, and its contribution to haze [*Joe Adhloch, Air Resource Specialists*]
 - Receptor modeling source apportionment results [*Mark Green, DRI*]
- 11:15 Weight of Evidence [*Joe Adhloch, Air Resource Specialists*]
- Case studies
 - Technical Support System website
- 12:00 Lunch
- 1:00 Policy Tools and Discussion of Next Steps
- WRAP Fugitive Dust Handbook [*Richard Countess, Countess Environmental*]
 - NM SIP pilot for fugitive dust [*Gail Cooke, NM*]
 - Information available from other organizations (FLMs, states, etc)
 - Success stories in controlling dust emissions (NRCS/EQIP, etc.)
 - Summary of PM NAAQS proposal and implications for haze
- 3:00 Adjourn