


Attribution of Haze Workgroup & Technical Support System Report

**Fire Emissions Joint Forum Meeting
July 12, 2006**




Topics

- Review AoH workgroup activities
 - Discuss purpose and objectives of TSS
 - Walk through TSS website to date
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AoH Workgroup Background

● Background from WRAP Strategic Plan:

- In early 2004, the Technical Oversight Committee formed a workgroup to oversee the Attribution of Haze project.
 - The AoH WG completed a March 2005 report describing the emissions source categories and geographic source regions presently contributing to visibility impairment at each mandatory federal and tribal Class I area in the WRAP region. See: <http://wrapair.org/forums/aoh/ars1/report.html>
 - The AoH workgroup has the ongoing responsibility to integrate analytical results and data from monitoring, emissions, and modeling analyses.
 - The AoH workgroup includes the TOC, as well as representatives from the technical and joint Forums, the IOC, and the state and tribal caucuses.
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AoH Workgroup Current Work

- The AoH WG workplan has 2 projects 2005-06:
 - Jointly funded/contracted
 - An AoH Phase II Report by October 2006, summarizing regional technical analysis results
 - Develop and begin operation of the TSS (following slides)
 - AoH WG page: <http://wrapair.org/forums/aoh/index.html>
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TSS Purpose

- The TSS is being developed by the WRAP, led by the Attribution of Haze Workgroup, to provide a single portal to technical data and analytical results prepared by WRAP Forums and Workgroups
 - Lessons learned from §309 Technical Support Document, see: <http://www.wrapair.org/309/031215Final309TSD.pdf>
 - Data and results displayed on the TSS are intended to support the air quality planning needs of western state and tribes – a “decision support system”
 - Maintenance and periodic updates is planned to support both implementation of regional haze plans & other air quality analysis management needs
 - Primary initial and ongoing purpose of the TSS is to be the one-stop shop for access, visualization, analysis, and retrieval of the technical data and regional analytical results in support of regional haze planning in the West
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TSS Objectives

- The TSS specifically summarizes results and consolidates information about:
 - Air quality monitoring, meteorological & receptor modeling data analyses;
 - Emissions inventories and models, and
 - Gridded air quality/visibility regional modeling simulations
 - These copious and diverse data are integrated for application to air quality planning purposes by prioritizing and refining key information and results into explanatory tools
 - Finally, a major goal of the TSS is to make the standard and user-specified maps, charts, tables, and graphs easily available for export, while maintaining the original source data available for verification and subsequent analysis through the TSS.
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TSS Schedule

- First Development Phase: August 2005 to October 2006
 - Complete operational system with regional data & analysis results
 - Weight-of-Evidence checklist to support state analyses of reasonable progress goals
 - Functionality/standardization for map, charts, graphs to meet Haze Rule planning requirements
 - Ingest/display key technical data summaries
 - Provide documentation of technical methods and results
 - Version control
 - Second Phase – combination of Operations/Support and Additional Development – October 2006 through December 2007
 - Operate TSS for haze planning
 - Train & support TSS users
 - Complete additional development
 - Ongoing operation – 2008 and onward
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TSS Walk-through

<http://vista.cira.colostate.edu/tss/>

