WRAP FETS Webinar 3: Data Analysts and Air Quality Planners Data Management in the FETS February 18, 2009, 1300 MDT

WEBINAR OBJECTIVES:

- Inform Air Quality Planners and Data Analysts of relevant features and functions of the FETS.
- Review upcoming work in 2009 and brainstorm ideas for additional, helpful reporting features.
- 1. Opening Remarks
 - a. The <u>Fire Emissions Tracking System (FETS)</u> was built for Western Regional Air Partnership (<u>WRAP</u>) states and Tribes and is intended for regional coordination of fire activity and storage/retrieval of fire activity and emissions data.



- b. FETS can accept data pertaining to any fire type (e.g., wildfire, prescribed fire, agricultural burning, rangeland burning) in any geographic area.
- c. The FETS is intended to support Air Quality Planning tasks by providing the most comprehensive fire activity and emissions data sets possible, *useful* reporting options to access those data sets, and documented, transparent methods used to build the various 'levels' of fire inventories.

2. FETS design and functions

- a. Commodity-based, modular design
- b. Critical functions
 - i. Collect and Store fire data (portal).
 - ii. QC Levels 0, 1, 2, 3
- c. The FETS Technical Node
 - i. GIS Functions
 - ii. Fuels and Emissions Estimates
 - iii. ERTs
- d. Level 1 fire data
 - i. Characteristics, spatial coverage
 - ii. Data Acquisition
- e. Level 2 fire data (2009 future)
- f. Level 3 fire data (future)



- 3. Data Acquisition and Storage
 - a. Minimum required data elements (per WRAP policy

Location Date Size Source Type Burn Type

- b. Organization of fire data in the FETS database
- c. Review of current data upload methods
 - i. Manual data entry
 - ii. Batch file FTP upload
 - iii. Automated data-mining
- d. Quality Control for uploaded data (Level 1)
 - i. Automated Error checking
 - ii. Email error reports

4. Regional Coordination Tools

- a. Mapping Tool page
 - i. Fire icon clusters
 - ii. Tribal, Class I areas overlays
 - iii. Summarize by county, state, tribe
 - iv. MODIS fire detections
 - v. Historical data review
- b. Data Acquisition Status Table
 - i. Date of last acquisition
 - ii. Acquisition by fire type
 - iii. Data coverage





- 5. Reporting Features
 - a. On-screen reports
 - i. EI Summary
 - ii. "Quick QC"
 - iii. Others ??

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- b. XLS downloads
- c. Google Earth



- 6. Closing Remarks.
 - a. Questions, Comments, and other Feedback.

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