

Syllabus for WRAP Technical Support System (TSS) Training
Fire Emissions Tracking System
June 19-20, 2007

1. Introduction
 - 1.1 Opening Remarks
 - a. This training serves as an introduction to the beta version of the WRAP Fire Emissions Tracking System.
 - b. The focus is on the FETS as a stand-alone system; a later training will introduce the FETS as integrated into the Technical Support System
 - c. Feedback garnered from this workshop will be considered and incorporated as a step toward the production version of the FETS
 - 1.2 Overview of FETS: Structure, data storage, and emissions estimates
 - a. Hardware/Software components (commodity-based)
 - b. Values stored
 - c. Database architecture (aligned with TSS)
 - d. Emission estimation methods
 - e. GIS functions
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2. Fire Science
 - 2.1
 - a. Fuel Loading
 - o User-provided
 - o Fuel Characterization Classification System (FCCS 1.1)
 - b. Emissions estimates
 - o User-provided
 - o WRAP-method
 - o CONSUME 3.0
 - c. Emission Reduction Techniques (ERTs)
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3. FETS Home Page navigation & Navigation to FETS from TSS
TSS Project Page - <http://vista.cira.colostate.edu/TSS/Projects/Default.aspx>
TSS Resources – Emissions Page - <http://vista.cira.colostate.edu/TSS/Results/Emissions.aspx>
 - 3.1 FETS Home page
<http://wrapfets.org>
 - a. New User/User Login <http://wrapfets.org>
 - b. Resources page <http://wrapfets.org/resources.cfm>
 - c. Methods page <http://wrapfets.org/methods/.cfm>
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4. Fire Data Manipulation
- 4.1 Uploading Batch Data
FTP site – accessed through <http://wrapfets.org/ftp.cfm> (ftp site as of June 19, 2007
<http://ftp.airsci.net>)
 - a. Access instructions
 - b. FTP data template: <http://wrapfets.org/resources.cfm>
 - c. Data assimilation schedule
 - d. Internal QA/QC: Data acceptance and rejection
- 4.2 Entering Data
 - a. Database organization (Projects, Planned Burns)

- b. Project data entry page
 - c. Planned Burn data entry page
 - d. Internal QA/QC checks
- <http://wrapfets.org/>

4.3 Editing data and QC

- a. User permissions
- b. Query list of available fires (Projects and Planned Burns)
- c. Edit Project data page
- d. Edit Planned burn data page
- e. Review batch-loaded data from FETS website

4.4 Deleting data

- a. Project data cascade effect
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5.0 Fire Data Applications

5.1 Regional Coordination

- a. State Smoke Manager contacts page:
<http://wrapfets.org/smp.cfm>
- b. Mapping tool
 - o Google Maps structure, features, and limitations
 - o Map navigation tools and tips
 - o Review of query options

5.2 Historical Data Downloads

FETS data query and download page:

- a. Build a query
- b. Model-ready formats
- c. Emission Inventory formats
- d. XML, CSV formats

5.3 Google Earth

- a. KML/KMZ file download
- b. Steps to enable fire data in Google Earth