

# PROGRESS REPORT

## DESIGN AND IMPLEMENTATION OF AN EMISSIONS DATA MANAGEMENT SYSTEM (EDMS)

WGA/WRAP Contract No. 30204-78

Period: October 1 – October 31, 2006

**Prepared by:**

Steve Boone  
E.H. Pechan & Associates, Inc.  
3622 Lyckan Parkway, Suite 2002  
Durham, North Carolina 27707  
919.493.3144  
Facsimile 919.493.3182  
steve.boone@pechan.com

**Prepared for:**

Tom Moore  
TOC Staff Support/Technical Coordinator  
c/o Cooperative Institute for Research in the Atmosphere  
Colorado State University  
1375 Campus Delivery Fort Collins, Colorado 80523-1375  
970.491.8837  
Facsimile: 970.491.8598  
mooret@cira.colostate.edu

## **I. INTRODUCTION**

The Emissions Data Management System (EDMS) was developed in the 2004 calendar year under this contract. Modifications No. 2-8 of the contract provide for support of the system.

## **II. PROGRESS**

In October 2006, achievements included:

- XML import coding, testing and installation on the production web site;
- Supporting new user registrations and user support requests;
- Removal of Fire data from the EDMS to enable NIF export and Ad-Hoc reports;
- Loading of the 2018 data and making it available through the production web interface;
- Ready and making of Inventory 9, Final Version 2.0 available to the public;
- Attended the Emission Forum meeting via teleconference;
- Performing routine DBA activities to maintain the operation of the EDMS including but not limited to:
  - Select query analyses;
  - Index maintenance;
  - File analyzing;
  - Monitoring table and database space constraints;
  - Balancing table continuity and contiguous storage;
  - Performing database tuning activities pursuant to the continued smooth operation of the EDMS database and application;
- Preparing information transfer documents for the project, and;
- Preparing the monthly progress report.

## **III. PLANS FOR NOVEMBER/DECEMBER**

Upcoming Plans include:

- Prepare Inventory Development Documents for Inventories 9 (2002 Final) and 10 (2018);
- Prepare a final quarterly report;
- Prepare a close out report;
- Preparation of monthly progress report and project scorecard, and;
- Routine database maintenance and user support.

#### **IV. PROBLEMS**

No problems were encountered.

#### **V. EXPENDITURES**

There is a maximum budget of \$383,830 available for work authorized by Contract Modifications Nos. 2 through 9 of this contract. During October, 35 technical hours and \$9,653.01 were expended. The current invoice includes charges for Pechan's subcontractors, CEP and i2k2. The cumulative expenditures of the Modification Nos. 2 through 9 budget are 2,380.5 technical hours and \$383,691.87.