

WESTERN REGIONAL AIR PARTNERSHIP

EMISSIONS DATA MANAGEMENT SYSTEM

**DBA Report
January 2005**

DRAFT

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Steering Committee

-and-

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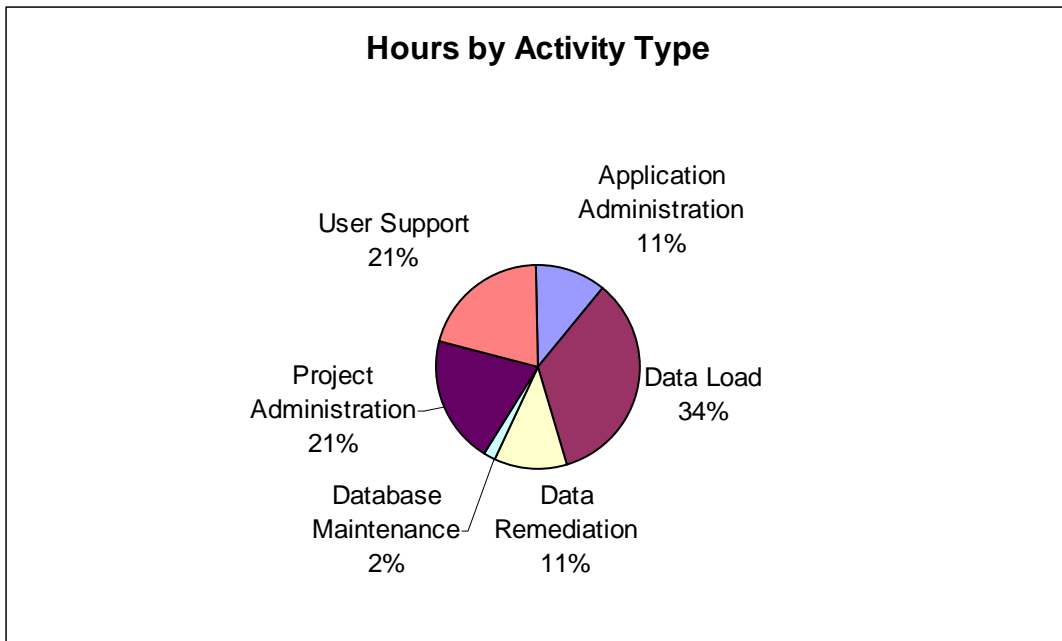
I. Introduction

This report details the activities associated with the operation and maintenance of the Emissions Data Management System (EDMS) for the report period.

II. Hours by Activity Type

A. Overview

Activity	Hours	Percent
Application Administration	18	11%
Data Load	54	34%
Data Remediation	18	11%
Database Maintenance	3	2%
Project Administration	33	21%
User Support	33.5	21%
Total	159.5	



B. Detail

Entries in this section are taken directly from activity logs and have not been edited.

Application Administration

- Modify facilities messages in GIS per Steering Committee guidance.
- Update User's manual for recent changes, modify inventory names per 1/7/05 Steering Committee Meeting. Incorporate language, set announcements for rollout. Talk with Tom re rollout, Inventory Description Document.

- Loaded listserv with relevant user groups. Post rollout announcements, email.

Data Load

- Modify AK NIF file for data loading purposes.
- Advance Washoe Area (654) to STG. Prepped for production. Moved all Area-type sectors. Moved Maricopa Area and Point to PRD. Loaded Biogenic to EDMS (for TXR). Cloned AK Area from EPA2002P. Cloned AZ from EPA2002P for all counties except Maricopa. Initiated clone of MN, NV, ND, SD, and WY from EPA2002P. Loaded WY point and area to EDMS (for TXR).
- Checked multistate clone. Started AK Mobile clone. Checked Biogenic, WY, started master diagnose manually for each. Repair submittal flags on biogenic, reapply to STG. Repair tribal codes in WY data, reapply to STG. Start AZ Mobile. Start multistate Mobile, NR clone. Move biogenic to PRD.
- Delete overlapping NR-sector records. Move WY point and area to STG. Check Emission Type Value and Emission Ton Value in cloned records. Run database.analyze(). Refresh views. Remove WY redundancy. Prep WY point and area for PRD, move. Re analyze, re refresh views.
- Check data for rollout. Correct inventory ID on cloned mobile records. Correct issue on biogenic. Correct ETV, ETP values for cloned non-road. Mark inventory Public. Check.
- Check status of overnight jobs.
- Prepare Inventory Description Document, review. Clone NM area from EPA2002P.
- Delete misc. fire data reported as area from PRD per initial inventory protocol. Refresh views.
- Build of inventory 6 (unaugmented).
- Commence Inventory 7.

Data Remediation

- Repair sector codes.
- Diagnose suspicious WY data.
- Prepare for and execute meeting with tribal and state personnel regarding Ute Mountain and Southern Ute tribal data and potential overlaps with Colorado.
- Investigate suspicious area source records originating in inventory 2.
- Continued tribal data analysis.
- Investigate orphans originating in inventory 2.

Database Maintenance

- Check settings for roll-out.
- Analyze for duplicates.

Project Administration

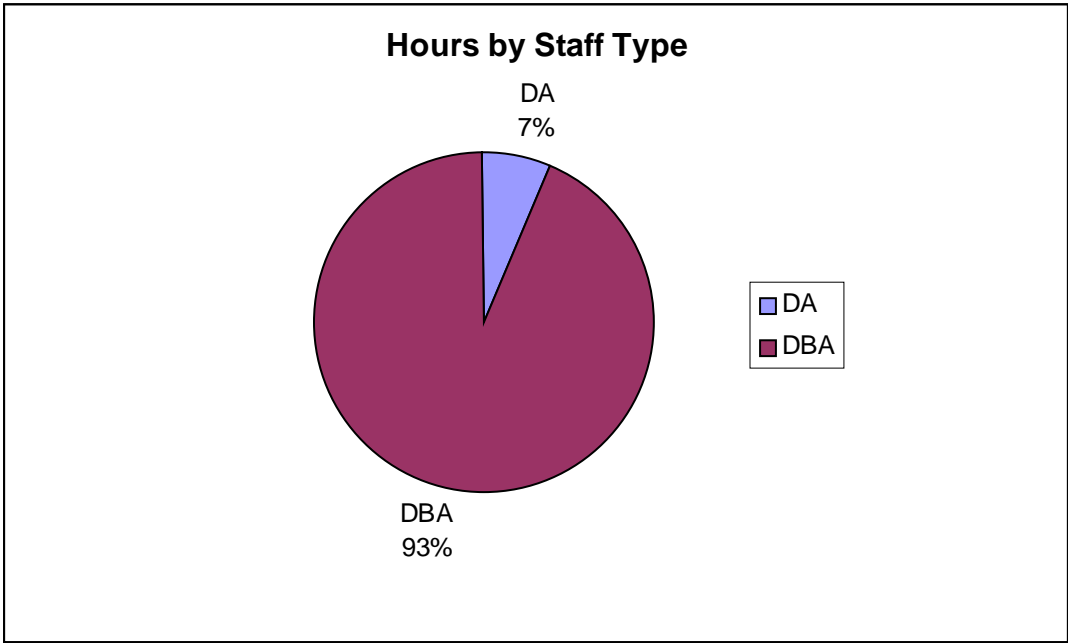
- Prepare progress report.
- Meeting with Steering Committee, including review of proceedings.
- Updated project tracking software for January activities to date.
- Interact with WRAP regarding Colorado/oil and gas call; Interact with subcontractors regarding new contract
- Project meeting with UNC CEP, including facility inspection and planning.
- Prepare for and execute briefing to Emissions Forum Meeting.
- Post modifications to the Acceptance plan, meeting minutes, communicate meeting announcement to Steering committee.
- Prepare for and participate in meeting Stationary Source forum contractors (cancelled).
- Compile monthly information.

User Support

- Erin Hoyt requests notes that NIF report on standard report interface is disabled (It is available on the ad-hoc query page); requests point data in NIF 3 for all data providers. We agree to forward on CD.
- Lee Gribovicz requested additional information about the diagnostic results of WY data load, and requested that results be forwarded to his contractors. Prepare Erin Hoyt CD of point source data.
- Addressed user management requests pursuant to ERG and Environ work, initiated response to WY re diagnostics.
- Add users, prepare diagnostics for WY team, investigate error reported by user concerning a specific value in Excel spreadsheet associated with standard report.
- Prepare and send info on data issues to WY team, register new user, check user inquiry about specific value in standard report 4.
- Mount Version 1 data to FTP site per request.
- Followed up on 9 user observations (Report an Error); registered new users.
- Begin preparation of Access files of EPA2002 prelim data.
- QA and finalize Access files of EPA2002P data for users.
- Investigate user report of error (California being returned for Colorado request).

III. Hours by Staff Type

Staff Type	Hours	Percent
DA	10.5	7%
DBA	149	93%
Total	159.5	



IV. User Information

A. New Registrations

All users are added at the general user classification. Users may be elevated to higher access levels upon their request and approval by the WRAP.

NAME
Bob Neufeld
Marty Wolf
roy doyle
Lee Gribovicz
Priya Chandraker
Juanita Haydel
Erin Hoyt
David Holoman
Jason Knapp
Glynn Rountree
Dave DuBois
Roland Verkaik
Kathy Van Dame

NAME
Kevin Briggs
Gary Lee Reinbold
Sally Otterson
Maggie Ma
Gregory Stella
Aaron
Thomas Dzomba
Paula Fields
James Russell
Cuong Tran
Sandhya Rao
Regi Oommen
Mae Thomas
Bill Simpson
Bob Palzer
Ray Mohr
Michael

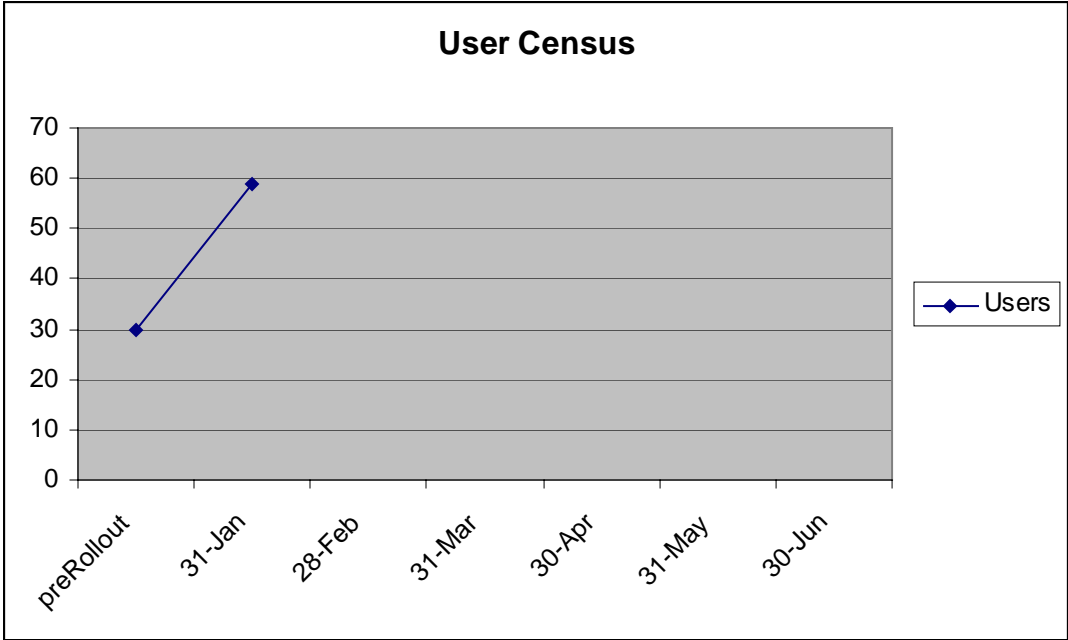
B. Privilege Promotions

Name	Level
Mae Thomas	DA
Paula Fields	DA
Cuong Tran	DA
Sandhya Rao	DA
Regi Oommen	DO
Marty Wolf	DO
James Russell	DO

C. User Census

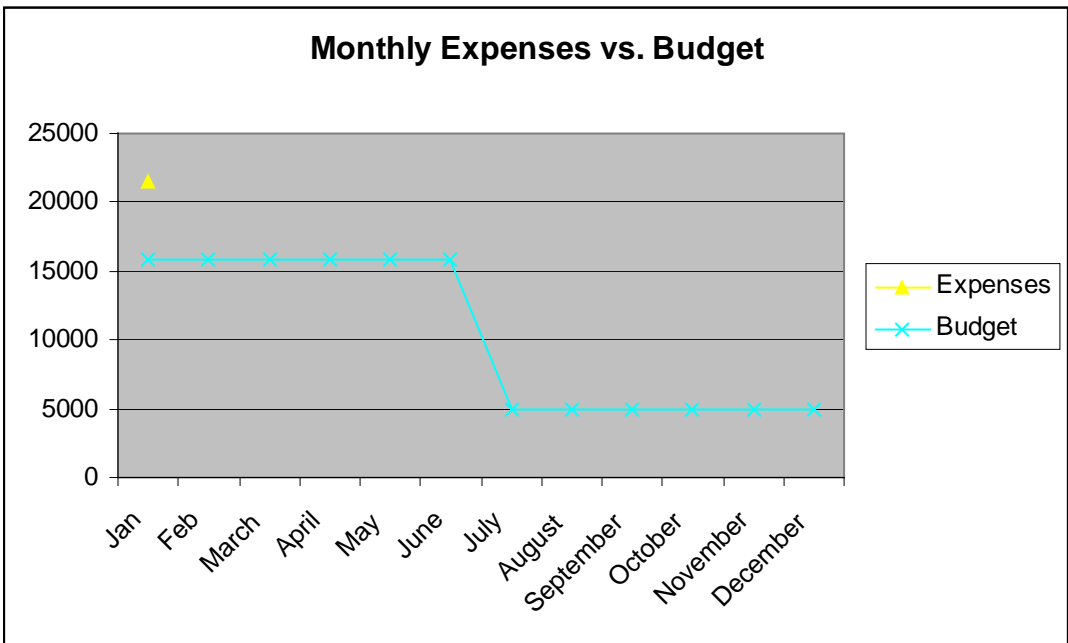
The following data is taken from the EDMS database and may differ from counts taken by other means.

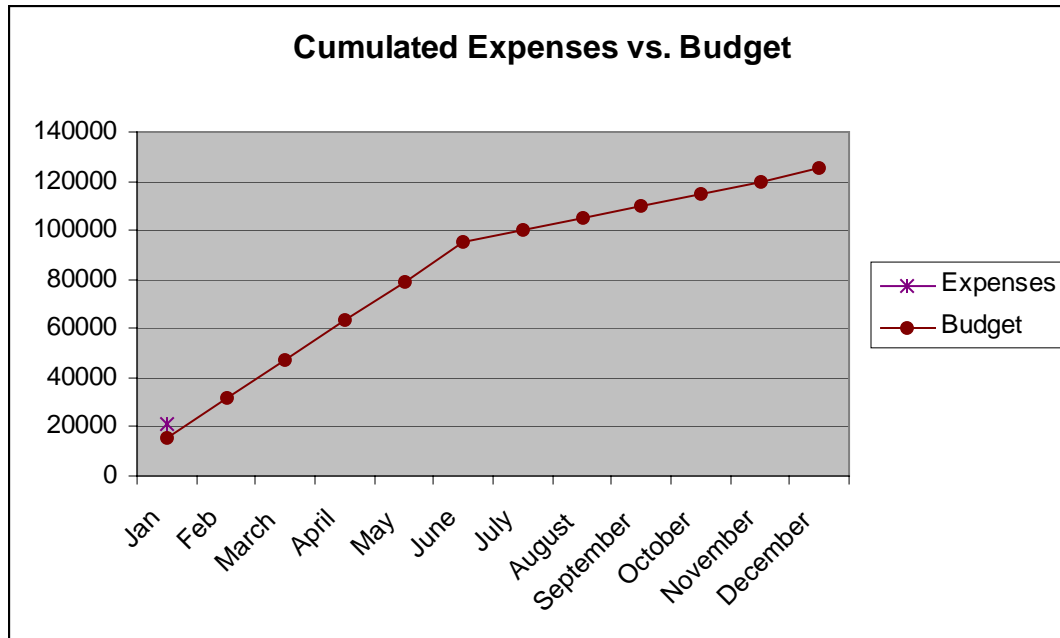
General Users:	40
Data Analysts:	7
Data Owners:	12
Total 1/31/2005:	59



V. Finances

Expenditures for the reporting period were \$1,314 for hosting and \$20,231 for support, totaling \$21,545.





VI. Analysis

Expenses exceeded budget for the period. Additional hosting expenses for the period were incurred but have not yet posted. It seems reasonable to expect that during the rollout month, program expenses would exceed the predicted average. The profile of the work conducted to date, however, is at odds with the estimate that was prepared prior to rollout, which was approximately 25% of a full time equivalent (FTE) of Database Analyst (DBA) time and 50% FTE of Data Analyst (DA) time. The nature of the work to date has required the DBA at approximately 75% FTE and a small percentage of activity being conducted by the DA. As fewer activities are conducted for the first time, requiring the initial development of forms, templates, and procedures is less required, it is intended that the DA assume more of these activities and DBA less. However, the volume of ongoing data analysis and remediation exceeds the limited interaction envisioned when the estimates were generated. Of particular note is tribal data overlap remediation, which is both highly desired and labor intensive.

Pechan is in the process of negotiating improved terms for Hosting and Maintenance. The data and application hosting provided by CEP is expected to be agreed upon at \$2,917 per month, with application support provided by i2k2 at \$1,500 per month, totaling \$4,417 per month rather than the estimated \$5,000.

Economies of scale/effort may be available if enhancements to the EDMS can be initiated. If project staff have sufficient activity to be dedicated to EDMS work, the costs of stopping and resuming work are eliminated; some activities associated with system maintenance can be performed in conjunction with development activities, resulting in a potential benefit estimated at 10-15%. Similarly, if i2k2 can be retained to perform

enhancements, a more favorable maintenance rate may be possible. The potential benefit here may be somewhat higher, perhaps over 30% (~\$500 per month).

VII. Plans For The Next Reporting Period

- Continue Tribal data analysis and remediation
- Continue implementing data corrections and updates, including
 - Nevada data updates
 - Modification of data tables to update most recent mergers and divisions of counties
 - Continue investigating and addressing user interface concerns, including
 - Availability of New Mexico in Adhoc Query and Export selector boxes
 - Behavior of the ad-hoc report capability
 - Potential misstatement of value in Standard Report 2
 - Potential misstatement of facility emissions when accessed via different means
- Continue to support user registrations and miscellaneous requests for assistance
- Implement site usage traffic (hits) reporting.