

***Emissions Data Management System  
for the  
Western Regional Air Partnership***

***Status Report for the WRAP Emissions Forum***

***19 October 2006***

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E.H. Pechan & Associates, Inc.*

# ***Presentation Organization***

## *Presentation Organization*

- Accomplishments Since July
- October Action Items
- Future Activities

***Project Scorecard***

## Project Scorecard

Address <http://projects.pechan.com/edms/> Go Links Google

### WRAP - Western Regional Air Partnership EDMS

- » Needs Assessment
- » Fire Tracking Systems Policy
- » Scope of Work
- » Project Schedule
- » Development Plan
- » Documents
- » Progress Reports

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» **Events**  
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## Project Scorecard

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Western Regional Air Partnership  
Emissions Data Management System

### Documents

**Project Scorecard**

- [Project Scorecard\\_2006-09-13](#)
- [Project Scorecard\\_2006-08-02](#)
- [Project Scorecard\\_2006-07-07](#)
- [Project Scorecard\\_2006-06-21](#)
- [Project Scorecard\\_2006-05-25](#)

**Action Plan**

- [Completed Action Plan\\_2006-10-10 \(Table of Contents and page number updates\)](#)
- [Completed Action Plan\\_2006-08-15](#)
- [Action Plan\\_2006-07-11](#)
- [Action Plan\\_2006-05-25](#)

**As Delivered Document**

- [As Delivered Final Document\\_2006-08-21](#)
- [Major differences between the EDMS Software and Hardware Development Plan and the Final As Delivered Document\\_2006-08-21](#)
- [As Delivered Draft Document\\_2006-07-07](#)
- [Major differences between the EDMS Software and Hardware Development Plan and the Draft As Delivered Document\\_2006-07-07](#)

**DBA Documentation**

- [DBA Activities Final Documentation\\_2006-08-22](#)
- [DBA Activities Draft Documentation\\_2006-07-09](#)

## Project Scorecard

Address: <http://projects.pechan.com/edms/EDMS%20Project%20Scorecard%202006-09-13.pdf>

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**E.H. Pechan & Associates, Inc.**  
**WRAP-EDMS Project Scorecard**  
**2006-09-13**

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A. Tasks completed by Month

Task	Description	Comments	Completion Date
<b>May 2006</b>			
1.	Completed design and initial coding of XML NIF import	<ul style="list-style-type: none"> <li>Initial coding is complete</li> <li>Pechan has acquired XML files from Alaska to be used for testing</li> <li>Pechan received initial XML files from New Mexico for testing</li> </ul>	5/25 5/25 5/25
2.	Processing of inventory Version 1.3	<ul style="list-style-type: none"> <li>Fire data loaded into Point</li> <li>Tribal changes/updates loaded</li> <li>Duplicate TR record issues resolved</li> </ul>	5/25 5/25 5/25
<b>June 2006</b>			
1.	Processing of inventory Version 1.3	<ul style="list-style-type: none"> <li>Make available to data owners</li> <li>Notified data owners for review and comment</li> <li>Determine planned timing and responsibilities for what states and contractors will be doing with this data</li> </ul>	6/19 6/23
2.	Reestablish development and test environment at CEP		6/13
<b>July 2006</b>			
1.	Update Action Plan	Update for Emissions Forum Meeting	7/7
2.	As Delivered Document	Draft for Emissions Forum Meeting	7/7
3.	DBA Activities Documentation	Draft for Emissions Forum Meeting	7/7
4.	XML NIF Import	<ul style="list-style-type: none"> <li>Discuss at Emissions Forum Meeting</li> <li>Analysis Alaska NIF XML Files</li> </ul>	7/12 7/31
5.	NIF Import/Fire Data	Analysis of EDMS NIF export and Fire data	7/21
6.	30/60/90 bug fixes	<ul style="list-style-type: none"> <li>Apply naming convention to system-prepared files.</li> <li>Demonstrate compliance of Fire data in all system phases.</li> <li>Add Fire type to Fire Report 1; Move</li> </ul>	7/31

8.5 x 11 in 1 of 3

## Completed Tasks

July 2006			
1.	Update Action Plan	Update for Emissions Forum Meeting	7/7
2.	As Delivered Document	Draft for Emissions Forum Meeting	7/7
3.	DBA Activities Documentation	Draft for Emissions Forum Meeting	7/7
4.	XML NIF Import	<ul style="list-style-type: none"><li>•Discuss at Emissions Forum Meeting</li><li>•Analysis Alaska NIF XML Files</li></ul>	7/12 7/31
5.	NIF Import/Fire Data	Analysis of EDMS NIF export and Fire data	7/21



## Completed Tasks

6.	30/60/90 bug fixes	<ul style="list-style-type: none"><li>•Apply naming convention to system-prepared files.</li><li>•Demonstrate compliance of Fire data in all system phases.</li><li>•Add Fire type to Fire Report 1; Move Standard Report 10 (Fire summary) to Fire tab.</li><li>•Add Fire option to upload screen.</li><li>•Address report graphics for very small emissions.</li><li>•Add GIS Secondary roadways layer.</li></ul>	7/31
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## Completed Tasks

August 2006			
1.	Provide list of users and contact information to Steering Committee		8/14
2.	New Mexico NIF XML file Analysis		8/15
3.	Finalize Action Plan Document		8/15
4.	As Delivered Document	Incorporate Emission Forum comments received by July 31	8/21
5.	DBA Activities Documentation	Incorporate Emission Forum comments received by July 31	8/21
6.	PM Definitions on EDMS web site		8/22

## Completed Tasks

September 2006			
1.	Deliver Source Code – via E-Mail		9/7
2.	Fire Data Problem Statement		9/7
3.	Begin planning for EDMS Data Analyst Training	Postponed until after new contract is established	9/8
4.	Deliver CD with Source Code		9/11
5.	Begin 2018 inventory loading	Inventory Id 10	9/12
6.	Initiate upload of additional Tribal Data into Version 1.3		9/22
7.	XML NIF Import	Install in Test Environment	9/22

## Current Month Tasks

October 2006			
1.	Communicate with Air Sciences about the Fire Data Summarization	October 16	Steve Boone
2.	XML NIF Import Install in Production environment	October 18	Manish Salhotra
3.	Add "EPA" to the front of "Regions" on Modeling and Ad-hoc screens	October 18	Manish Salhotra
4.	Removal of Fire Data from Inventories Version 1.2 and 1.3	Began on October 4	Manish Salhotra
5.	Continued 2018 inventory loading <ul style="list-style-type: none"> <li>• Inventory Id 10</li> <li>• On-Road, Off-Road and Area Sources</li> </ul>	In Progress	Manish Salhotra
6.	Communicate 2018 Load Data Issues – Provide information about file processing plans and completion date		Manish Salhotra
7.	Upload Additional Tribal Data into Version 1.3	After 2018	Manish Salhotra

## Current Month Tasks

October 2006			
8.	Update EDMS User E-Mail list with Steering Committee provided changes	To be accomplished as changes are submitted (no changes submitted to date)	Manish Salhotra
9.	EGU correction process – ERG to provide detailed instructions for repairing Inventory 9 data	Need to establish a timeline to determine completion  The completion of this item is not to hold up making 2002 Draft Version 1.3 publicly available as 2002 Data Version 2.0	Tom Moore

## On Deck

1.	Establish protocols for handling 2003 and 2004 data submittals
2.	Add description for inventory id numbers
3.	Create and implement new inventory description/differences page on website
4.	2018 EGU Resolution
5.	Tribal Data Reconciliation/Tribal Reconciliation Document Posting
6.	Potential Data Validation
7.	Data Archiving
8.	Import new Alaska Data

## Future Tasks

1.	Mobile Source Marine Data Inventory 9 and 2018 <ul style="list-style-type: none"><li>• In Inventory 9?</li><li>• How to display?</li></ul>
2.	Loading of 2008 and 2013 data
3.	Mexico Inventory (timing, sectors, spatial integration, inventory period)
4.	2005 EI data (what data are to be expected, when)
5.	Spatial resolution of emissions
6.	Fire tracking system and resulting fire data
7.	NPS Class I area inventories <ul style="list-style-type: none"><li>• Analyze available data formats for integration with EDMS</li><li>• Identify overlap issues with state-supplied data if compatible with EDMS</li></ul>

## *NPS Inventories*

- 21 Parks
- Most are in the WRAP States
- Analyses are for Calendar Year 2000 or 2001



## *Area Sources*

- Woodstoves and Fireplaces
  - Campfires
  - Wildfires and Prescribed Burning
- One Year Snap Shot
- First Order Fire Effects Model Used

## ***Mobile Sources***

- Visitor and NPS highway vehicles
- Nonroad Vehicles and equipment includes aircraft where applicable

## ***Stationary Sources***

- Heating Equipment
- Generators
- Fuel Storage Tanks
- Wastewater Treatment Plants

## NPS Emissions                      2000/2001 tons per year

Sector	PM10	SO2	NOX	CO	VOC
Stationary	5	57	81	19	46
Area	8,701	7,284	93,925	568,924	7,819
Mobile	155	1	1,251	22,482	3,740
Totals	8,861	7,342	95,257	591,425	11,605

## *Questions*