

Streamlining State Emissions Inventory Data Management and Development Processes: Texas Air Emissions Repository (TexAER)

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INTRODUCTION

- TexAER
 - Formerly SIP EDMS – State Implementation Plan Emissions Data Management System
 - Centralized data management system
 - Archive, access, and secure inventory data
 - Source types: area, non-road mobile, on-road mobile, and biogenic
 - Summarized point source data expected to be added in the future

INTRODUCTION

- Previous Process
 - Data maintained on desktop PCs
- Challenges
 - Reporting requirements expanded from 16 counties to 254 counties
 - Availability of the most up-to-date, best quality data
 - Consistency
 - Documentation

GOALS

- Access to the same emissions data sets Agency-wide
- SIP development support
- Control strategy assessment support
- Easier response to public requests
- Easier, consistent response to government entity requests
- Support local entities with air quality issues in non-attainment and near non-attainment areas

TexAER FUNCTIONALITY

- Security Component
- Maintenance Component
- Reporting and Querying Component
- Document Storage, Search, and Retrieval Component
- Emissions Comparison Tool
- Audit/Merge (Inventory Builder) Tool

TexAER COMPONENTS

- NIF Export Tool
- Control Strategy Analysis
- Emissions Projections
- External Reporting

TexAER ARCHITECTURE

- Database
 - Oracle 9i, approximately 10 gigabytes (expected to grow to 35 GB by the end of August 2005)
- Web Interface
 - ColdFusion MX with Flash MX 2004 Professional components
- Additional supporting code
 - PL/SQL

PRESENTATION TOPICS

- Emissions Comparison Tool
- Audit/Merge (Inventory Builder) Tool
- NIF Export Tool

TCEQ is currently using these Tools to support preparation of updates to their NEI submission

EMISSIONS COMPARISON TOOL

- Supports analysis of emissions inventories to meet various federal and state requirements, TCEQ reviews
- Compare emissions data for a selected set of sources from up to five inventories at the same time

EMISSIONS COMPARISON TOOL

The screenshot shows the SIPEDMS Data Comparison tool interface. The top navigation bar includes links for Home, My Account, Site Map, and Contact Admin. Below this is a menu with options: ADMIN, REPORTS, TOOLS, DOCUMENT CATALOG, HELP, and LOGOUT. The main interface has a 'Data Comparison' tab and several active filters: 'Select Subinventories', 'Selection Criteria', and 'Display Options'.

The main content area is titled 'Data Comparison' and features a tree view on the left and a data table on the right. The tree view shows a hierarchy of subinventories, with 'DALLAS COUNTY' selected under '2102004000 TOTAL: BOILERS AND IC ENGINES'. The data table displays emission values for five different estimates (1-EST to 5-EST) for various pollutants.

	1-EST	2-EST	3-EST	4-EST	5-EST
Totals					
Selected (Filtered) Subinventory Totals					
Subinventory Totals					
Inventory Totals					
21.. STATIONARY SOURCE FUEL COMBUSTION					
2102.. INDUSTRIAL					
2102004.. DISTILLATE OIL					
2102004000 TOTAL: BOILERS AND IC ENGINES					
DALLAS COUNTY					
NOX-NITROGEN OXIDES-Annual Tons Per Year	1437.4541	1576.9462	1681.6003	1412.27	1412.9696
NOX-NITROGEN OXIDES-Ozone Season Daily Tons	4.6006	5.047	5.382	4.52	4.5222
SO2-SULFUR DIOXIDE-Annual Tons Per Year	61.2328	67.1749	71.633		60.1898
SO2-SULFUR DIOXIDE-Ozone Season Daily Tons	0.2036	0.2233	0.2381		0.2001
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per Year	14.3718	15.7664	16.8128	14.12	14.127
VOC-VOLATILE ORGANIC COMPOUNDS-Ozone Season Daily Tons	0.0509	0.0558	0.0595	0.05	0.05
DENTON COUNTY					
NOX-NITROGEN OXIDES-Annual Tons Per Year	103.7985	113.8713	121.4283	101.98	102.0305
NOX-NITROGEN OXIDES-Ozone Season Daily Tons	0.3257	0.3573	0.381	0.32	0.3202
SO2-SULFUR DIOXIDE-Annual Tons Per Year	4.4276	4.8572	5.1796		4.3522
	0.0102	0.0112	0.0119		0.01

Data Comparison by SCC

EMISSIONS COMPARISON TOOL

- Select Subinventories (required): Select one to five inventories (i.e. 2002 statewide inventory) and subinventories (i.e., area, non-road, on-road, biogenic) to compare
- Selection Criteria (optional): Filter which portions of the subinventories are displayed

EMISSIONS COMPARISON TOOL

Home | My Account | Site Map | Contact Admin

ADMIN | REPORTS | TOOLS | DOCUMENT CATALOG | HELP | LOGOUT

Select Subinventories | Selection Criteria | Display Options | Column Order | Data Comparison

Select Subinventories

Please select up to five subinventories to compare. You must select at least one subinventory.

Subinventory 1 (* Required)
 PEI - 1999 | AREA | Review Documents

Subinventory 2
 "TRENDS" BACKCAST - 1990

Subinventory 3
 "TRENDS" BASE YEAR - 1999

Subinventory 4
 "TRENDS" PROJECTED - 2005

Subinventory 5
 STATE - 1999

Choose Selection Criteria to filter the emissions estimates. Column Order to arrange the data columns in your comparison. Data Comparison screen at any time. To view your comparison, choose Data Comparison now.

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ADMIN | REPORTS | TOOLS | DOCUMENT CATALOG | HELP | LOGOUT

Select Subinventories | Selection Criteria | Display Options | Column Order | Data Comparison

Selection Criteria

To make multiple selections or deselect an item, engage the control key as you select an entry.

Locations: [Show Locations](#)

All Locations
 ANDERSON COUNTY
 ANDREWS COUNTY
 ANGELINA COUNTY
 ARANSAS COUNTY

Location Groups: [Show Locations](#)

ALAMO AREA COUNCIL OF GOVERNMENTS
 ARK-TEX COUNCIL OF GOVERNMENTS
 BPA
 BRAZOS VALLEY DEVELOPMENT COUNCIL
 CAPITAL AREA PLANNING COUNCIL

SCCs:

All SCCs

SCC Classes:

Agriculture Production - Crops
 Agriculture Production - Livestoc
 Catastrophic/Accidental Releases
 Construction
 Consumer/Commercial Products

Time Periods:

Annual (emissions per year)
 CO Season (emissions per day)
 Ozone Season (emissions per day)

Pollutants: Pollutant Code - Pollutant Name [Show Pollutants](#)

All Pollutants
 AMMONIA
 CARBON MONOXIDE
 NITROGEN OXIDES
 PRIMARY PM10, FILTERABLE PORTION ONLY

Show Names & Codes in Comparison
 Show Names in Comparison
 Show Codes in Comparison

Pollutant Types: [Show Pollutants](#)

CRITERIA - CERR
 NOXVOC/CO
 VOC

EMISSIONS COMPARISON TOOL

- Display Options (optional): Select how the data are grouped, sort the data, and display various statistics
- Column Order (optional): Freeze, sort, show and hide columns on the display

EMISSIONS COMPARISON TOOL

SIPEDMS [Home](#) | [My Account](#) | [Site Map](#) | [Contact Admin](#)

ADMIN | REPORTS | TOOLS | DOCUMENT CATALOG | HELP | LOGOUT

Select Subinventories Selection Criteria **Display Options** Column Order Data Comparison

Display Options

To make multiple selections or deselect an item, engage the control key as you select an entry.

View By: SCC

Optional Sorting Criteria

Sort By: Select One

Ascending Descending

Statistics:

- A. % of Subinventory Total
- B. % of Selected Total
- C. ((Subinventory n - Subinventory 1)
- D. ((Subinventory n - Subinventory 1)/Subinventor
- E. % of Inventory Total

Display UOM: TONS

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Select Subinventories Selection Criteria Display Options **Column Order** Data Comparison

Column Order

Select the columns you want to see locked or frozen in place. This will allow you to scroll through the primary data, while keeping selected columns locked in place. You can also choose to hide columns in the comparison.

Block	Hide?
Primary Data	<input type="checkbox"/>
Frozen Data	<input type="checkbox"/>

Column	Hide?	Freeze?
1-Estimate	<input type="checkbox"/>	<input type="checkbox"/>
2-Estimate	<input type="checkbox"/>	<input type="checkbox"/>
3-Estimate	<input type="checkbox"/>	<input type="checkbox"/>
4-Estimate	<input type="checkbox"/>	<input type="checkbox"/>
5-Estimate	<input type="checkbox"/>	<input type="checkbox"/>
1-A. % of Subinventory Total	<input type="checkbox"/>	<input type="checkbox"/>
2-A. % of Subinventory Total	<input type="checkbox"/>	<input type="checkbox"/>
3-A. % of Subinventory Total	<input type="checkbox"/>	<input type="checkbox"/>
4-A. % of Subinventory Total	<input type="checkbox"/>	<input type="checkbox"/>
5-A. % of Subinventory Total	<input type="checkbox"/>	<input type="checkbox"/>
1-B. % of Selected Total	<input type="checkbox"/>	<input type="checkbox"/>

Show All Hide All

EMISSIONS COMPARISON TOOL

- Data Comparison: View and compare the data after the selections are applied
- (Note: Selection Criteria, Display Option, and Column Order selections can be revisited at any time)

EMISSIONS COMPARISON TOOL

The screenshot shows the SIPEDMS Data Comparison tool interface. The top navigation bar includes links for Home, My Account, Site Map, and Contact Admin. Below this is a menu with options: ADMIN, REPORTS, TOOLS, DOCUMENT CATALOG, HELP, and LOGOUT. The main interface has a 'Data Comparison' tab and several active filters: 'Select Subinventories', 'Selection Criteria', and 'Display Options'.

The main content area is titled 'Data Comparison' and features a tree view on the left and a data table on the right. The tree view shows a hierarchy of folders: Totals, Selected (Filtered) Subinventory Totals, Subinventory Totals, Inventory Totals, 21.. STATIONARY SOURCE FUEL COMBUSTION, 2102.. INDUSTRIAL, 2102004.. DISTILLATE OIL, and 2102004000 TOTAL: BOILERS AND IC ENGINES. Under the last folder, there are sub-folders for DALLAS COUNTY and DENTON COUNTY, each with a list of pollutants and their units.

The data table on the right has five columns labeled 1-EST, 2-EST, 3-EST, 4-EST, and 5-EST. The rows correspond to the pollutants listed in the tree view. The data values are as follows:

	1-EST	2-EST	3-EST	4-EST	5-EST
NOX-NITROGEN OXIDES-Annual Tons Per Year	1437.4541	1576.9462	1681.6003	1412.27	1412.9696
NOX-NITROGEN OXIDES-Ozone Season Daily Tons	4.6006	5.047	5.382	4.52	4.5222
SO2-SULFUR DIOXIDE-Annual Tons Per Year	61.2328	67.1749	71.633		60.1898
SO2-SULFUR DIOXIDE-Ozone Season Daily Tons	0.2036	0.2233	0.2381		0.2001
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per Year	14.3718	15.7664	16.8128	14.12	14.127
VOC-VOLATILE ORGANIC COMPOUNDS-Ozone Season Daily Tons	0.0509	0.0558	0.0595	0.05	0.05
NOX-NITROGEN OXIDES-Annual Tons Per Year (Denton County)	103.7985	113.8713	121.4283	101.98	102.0305
NOX-NITROGEN OXIDES-Ozone Season Daily Tons (Denton County)	0.3257	0.3573	0.381	0.32	0.3202
SO2-SULFUR DIOXIDE-Annual Tons Per Year (Denton County)	4.4276	4.8572	5.1796		4.3522
SO2-SULFUR DIOXIDE-Ozone Season Daily Tons (Denton County)	0.0102	0.0112	0.0119		0.01

Data Comparison by SCC

EMISSIONS COMPARISON TOOL

The screenshot displays the SIPEDMS Data Comparison tool. The interface includes a navigation menu with options like ADMIN, REPORTS, TOOLS, DOCUMENT CATALOG, HELP, and LOGOUT. The main content area is titled "Data Comparison" and features a tree view on the left showing data for Harris County. A table in the center displays emission estimates for various categories. A pop-up window titled "Subinventories" is open, listing five categories: 1. "TRENDS" PROJECTED - 2000 - AREA, 2. "TRENDS" BACKCAST - 1990 - AREA, 3. "TRENDS" PROJECTED - 2005 - AREA, 4. PEI - 1999 - AREA, and 5. "TRENDS" BACKCAST - 1998 - AREA. A "Statistics" section is also visible in the pop-up.

	1-EST	2-EST	3-EST	4-EST	5-EST
Totals					
HARRIS COUNTY					
2102005000 TOTAL: ALL BOILER TYPES					
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per	0.8639	0.484	0.876		
2102006000 TOTAL: BOILERS AND IC ENGINES					
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per					
VOC-VOLATILE ORGANIC COMPOUNDS-Ozone Season D					
2102007000 TOTAL: ALL BOILER TYPES					
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per	1.6557	1.176	1.76		
VOC-VOLATILE ORGANIC COMPOUNDS-Ozone Season D	0.0102	0.0072	0.010		
2103004000 TOTAL: BOILERS AND IC ENGINES					
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per	5.1046	9.2597	4.74		
VOC-VOLATILE ORGANIC COMPOUNDS-Ozone Season D	0.0101	0.0183	0.009		
2103005000 TOTAL: ALL BOILER TYPES					
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per				0.38	
2103006000 TOTAL: BOILERS AND IC ENGINES					
VOC-VOLATILE ORGANIC COMPOUNDS-Annual Tons Per	101.5218	106.1443	121.3632	97.82	97.5979
VOC-VOLATILE ORGANIC COMPOUNDS-Ozone Season D	0.2466	0.2578	0.2948	0.23	0.2371
2103007000 TOTAL: ALL COMBUSTOR TYPES					
	2.8408	7.1455	3.0429	2.77	2.6981

Data Comparison by Location

AUDIT/MERGE (INVENTORY BUILDER) TOOL

- Mirror the inventory data auditing, data combination, and peer review process
- Combine emissions data provided by multiple stakeholders
- Prepare emissions inventories to meet various reporting requirements
- Maintain clear documentation and audit trail

AUDIT/MERGE TOOL

- Three roles
 - Audit Manager: selects source inventories, creates and assigns blocks of data for Auditors to review
 - Auditor: reviews sources of emissions data for a block, selects most representative data, documents reason for selection
 - Peer Reviewer: expert review

AUDIT/MERGE TOOL

SIP EDMS Version 3.3 ==>Fuseaction = ManageSIB.start <== - Microsoft Internet Explorer provided by TCEQ

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SIPEDMS
TEXAS STATE IMPLEMENTATION PLAN
Emissions Data Management System

ADMIN | REPORTS | TOOLS | DOCUMENT CATALOG | HELP | LOGOUT

Emissions Comparison | **Manage SIB** | Review SIB

Manage Subinventory Builds

The SIBs that you manage are shown below.

[Add New Subinventory](#)

SIB Name ▲	Inventory Name	Total Block	Number of Blocks in Each Stage						
			Audit	Peer Review	Auditor Response	Conflict	Manager Review	Complete	
Historical State 1990	Texas State Sample Inventory	10	2	2	1	3	0	2	Delete
State Ozone Season	Texas State Sample Inventory	8	4	2	0	0	1	1	Delete
Texas 2005	Texas State Sample Inventory	3	3	0	0	0	0	0	Delete

Audit Manager: Inventory/Subinventory Review Status

AUDIT/MERGE TOOL

SIP EDMS Version 3.3 ===>Fuseaction = ManageSIB.keyManageSIB <=== - Microsoft Internet Explorer provided by TCEQ

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TEXAS STATE IMPLEMENTATION PLAN
Emissions Data Management System

ADMIN | REPORTS | TOOLS | DOCUMENT CATALOG | HELP | LOGOUT

Emissions Comparison | **Manage SIB** | Review SIB

Manage SIB Blocks

Inventory Name: Texas State Sample Inventory
SIB Name: Historical State 1990
Source Type: Area Emission Source Type

[Edit](#)

Blocks Included in this Build										Add New Block				
Block Name	Overall Status	Audit			Peer Review			Auditor Response		Overlap			Notify	Merge
		Name	Due Date	Finish Date	Name	Due Date	Finish Date	Due Date	Finish Date					
Travis County	Audit	sheila Hoffpauir	03/24/05		Erik Gribbin	03/24/05		03/24/05		Yes	Delete	Summary	<input type="checkbox"/>	<input type="checkbox"/>
Williamson County	Conflict	kay keys	03/24/05		Erik Gribbin	03/24/05		03/24/05		Yes	Delete	Summary	<input type="checkbox"/>	<input type="checkbox"/>
Harris County	Final	William Gerber	03/24/05		Test3 ERG	03/24/05		03/24/05		Yes	Delete	Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BPA	Peer Review	William Gerber	03/24/05		bertie fernando	03/24/05		03/24/05		Yes	Delete	Summary	<input type="checkbox"/>	<input type="checkbox"/>
El Paso	Conflict	ken Gathright	03/24/05		Test4 ERG	03/24/05		03/24/05		Yes	Delete	Summary	<input type="checkbox"/>	<input type="checkbox"/>

Audit Manager: Block Review Status



AUDIT/MERGE TOOL

SIPEDMS Version 3.3 ==>Fuseaction = ReviewSIB.emco|Block_id=1513 <== - Microsoft Internet Explorer provided by TCEQ

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[Audit/Peer Review](#) | [Selection Criteria](#) | [Display Options](#) | [Column Order](#) | **Data Comparison**

[Expand All](#) | [Collapse All](#) | [Export](#) | [Save](#) | Last Saved: 4:07 PM

Data Comparison

	1-EST	2-EST	3-EST	4-EST	FINISHE	WHICH	REASO	AUDIT	QTY	COM
VOC - VOLATILE ORGANIC COMPOUNDS-Ozone Season D	0.0200	0.0628			<input type="checkbox"/>		2 R1-DEF.			
2810030.. STRUCTURE FIRES					<input type="checkbox"/>					
2810030000 TOTAL					<input type="checkbox"/>					
COLLIN COUNTY					<input type="checkbox"/>		R1-DEF.			
CO - CARBON MONOXIDE-Annual Tons Per Year	31.5200	31.5200		10.4190	<input checked="" type="checkbox"/>		2 R1-DEF.			
CO - CARBON MONOXIDE-Ozone Season Daily Tons	0.0900	0.0900		0.0285	<input checked="" type="checkbox"/>		2 R1-DEF.			
NOX - NITROGEN OXIDES-Annual Tons Per Year	0.7400	0.7400		0.2431	<input checked="" type="checkbox"/>		4 R4-Surv			
NOX - NITROGEN OXIDES-Ozone Season Daily Tons				0.0007	<input checked="" type="checkbox"/>		4 R4-Surv			
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION C				1.8754	<input checked="" type="checkbox"/>		4 R1-DEF.			
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION C				0.0051	<input checked="" type="checkbox"/>		4 R1-DEF.			
PM25-FIL - PRIMARY PM2.5, FILTERABLE PORTION C				1.7066	<input checked="" type="checkbox"/>		4 R1-DEF.			
PM25-FIL - PRIMARY PM2.5, FILTERABLE PORTION C				0.0047	<input checked="" type="checkbox"/>		4 R1-DEF.			
VOC - VOLATILE ORGANIC COMPOUNDS-Annual Tor	5.7800	5.7800		1.9101	<input checked="" type="checkbox"/>		2 R1-DEF.	Values c	19.1	
VOC - VOLATILE ORGANIC COMPOUNDS-Ozone Sea	0.0200	0.0200		0.0052	<input checked="" type="checkbox"/>		2 R1-DEF.	Values c	0.052	
DALLAS COUNTY					<input type="checkbox"/>		R1-DEF.			
CO - CARBON MONOXIDE-Annual Tons Per Year	142.2700	142.2700		121.9920	<input type="checkbox"/>		2 R1-DEF.			
CO - CARBON MONOXIDE-Ozone Season Daily Tons	0.3900	0.3900		0.3342	<input type="checkbox"/>		2 R1-DEF.			
NOX - NITROGEN OXIDES-Annual Tons Per Year	3.3200	3.3200		2.8465	<input type="checkbox"/>		2 R1-DEF.			
NOX - NITROGEN OXIDES-Ozone Season Daily Tons	0.0100	0.0100		0.0078	<input type="checkbox"/>		2 R1-DEF.			
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION C				21.9586	<input type="checkbox"/>	X	R1-DEF.			
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION C				0.0602	<input type="checkbox"/>	X	R1-DEF.			
PM25-FIL - PRIMARY PM2.5, FILTERABLE PORTION C				19.9823	<input type="checkbox"/>	X	R1-DEF.			
PM25-FIL - PRIMARY PM2.5, FILTERABLE PORTION C				0.0547	<input type="checkbox"/>	X	R1-DEF.			
VOC - VOLATILE ORGANIC COMPOUNDS-Annual Tor	26.0800	26.0800		22.3652	<input type="checkbox"/>		2 R1-DEF.			
VOC - VOLATILE ORGANIC COMPOUNDS-Ozone Sea	0.0700	0.0700		0.0613	<input type="checkbox"/>		2 R1-DEF.			

Auditor: Review and Select Data

AUDIT/MERGE TOOL

SIP EDMS Version 3.3 ==>Fuseaction = ReviewSIB.emco|Block_id=1513 <=== - Microsoft Internet Explorer provided by TCEQ

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ADMIN REPORTS TOOLS DOCUMENT CATALOG HELP LOGOUT

Audit/Peer Review Selection Criteria Display Options Column Order Data Comparison

Data Comparison

Expand All Collapse All Export Save Last Saved: 4:11 PM

	1-EST	2-EST	3-EST	4-EST	REASO	AUDIT (QTY	CO	REJECT	PEER COMME
2810030000 TOTAL									<input type="checkbox"/>	
COLLIN COUNTY									<input type="checkbox"/>	
CO - CARBON MONOXIDE-Annual Tons Per Year	31.5200	31.5200		10.4190	R1-DEF.				<input type="checkbox"/>	
CO - CARBON MONOXIDE-Ozone Season Daily To	0.0900	0.0900		0.0285	R1-DEF.				<input type="checkbox"/>	
NOX - NITROGEN OXIDES-Annual Tons Per Year	0.7400	0.7400		0.2431	R4-Surv				<input type="checkbox"/>	
NOX - NITROGEN OXIDES-Ozone Season Daily To				0.0007	R4-Surv				<input type="checkbox"/>	
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION				1.8754	R1-DEF.				<input type="checkbox"/>	
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION				0.0051	R1-DEF.				<input type="checkbox"/>	
PM25-FIL - PRIMARY PM2.5, FILTERABLE PORTION				1.7066	R1-DEF.				<input type="checkbox"/>	
PM25-FIL - PRIMARY PM2.5, FILTERABLE PORTION				0.0047	R1-DEF.				<input type="checkbox"/>	
VOC - VOLATILE ORGANIC COMPOUNDS-Annual T	5.7800	5.7800		1.9101	R1-DEF.	Values	19.1		<input checked="" type="checkbox"/>	Use survey dat
VOC - VOLATILE ORGANIC COMPOUNDS-Ozone S	0.0200	0.0200		0.0052	R1-DEF.	Values	.052		<input checked="" type="checkbox"/>	Use survey dat
DALLAS COUNTY					R1-DEF.				<input type="checkbox"/>	
CO - CARBON MONOXIDE-Annual Tons Per Year	142.270	142.270		121.9920	R1-DEF.				<input type="checkbox"/>	
CO - CARBON MONOXIDE-Ozone Season Daily To	0.3900	0.3900		0.3342	R1-DEF.				<input type="checkbox"/>	
NOX - NITROGEN OXIDES-Annual Tons Per Year	3.3200	3.3200		2.8465	R1-DEF.				<input type="checkbox"/>	
NOX - NITROGEN OXIDES-Ozone Season Daily To	0.0100	0.0100		0.0078	R1-DEF.				<input type="checkbox"/>	
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION				21.9586	R1-DEF.				<input type="checkbox"/>	
PM10-FIL - PRIMARY PM10, FILTERABLE PORTION				0.0602	R1-DEF.				<input type="checkbox"/>	
				19.9823						

Peer Reviewer: Review Auditor Selections

AUDIT/MERGE TOOL

- Complete Process
 - Audit Manager resolves any Auditor/Peer Reviewer conflicts
 - Merges blocks to create new inventory by clicking a button

NIF EXPORT TOOL

- Select Inventory
- Export in NIF 3.0 Format
- Optional QA similar to that performed by EPA Format and Content Checker Tool
- Optional QA using additional data reasonableness checks

NEXT STEPS

- Add control strategy data
- Add growth factor data
- Select and apply control strategies and growth factors to existing subinventories to generate projected emissions

NEXT STEPS

- External reporting interface
 - Move the reporting functionality to the Internet so inventory data can be easily accessed by the public
 - Contact Melinda Torres with TCEQ metorres@tceq.state.tx.us if you are interested in providing input

Questions?

Stop by the ERG booth if you are interested in viewing a TexAER demonstration