



# Louisiana Emission Inventory System Enhancement Project Update

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
A CLEAN STATE OF MIND FOR ALL YOUR ENVIRONMENTS



- Efforts began in June 2005
- Three Workgroups Established
  - Data Submitters
  - Data Users
  - Technical Support Group
- Scope of Services Developed



- RFP Published – March 2006
- Proposals Reviewed
- Contractor Selected- July 2006
  - ENVIRON, Bliss Higgins, John Haasbeek, Kelly Young
- Design Work Beginning
- Data Migration Underway



- Web Interface Design Will Begin Soon
- System to be ready for 2006 RY
- Training will be provided
- Expect Some Differences
  - Additional Data Elements
    - CAIR, AERR, etc.
  - Combine EI and TEDI Reporting



# Basic Features

- Web Based Application
- Secure Log-On
- Files submitted via templates or direct file upload
- Validation with Feedback
- Help Menu and Prompts
- Previous year brought forward
- Printable Summary Page
- Query Tool



- How can you help?
  - Crosswalk Survey (Will be sent out soon to facilities)
  - Beta-Testers (Later this year)
  - Name that System



# Reporting Data Elements

- No “optional” data elements
  - Will report all that apply
- All NEI required data elements included
- No redundant reporting
  - Report information only once
  - System will pull from TEMPO Central files for identifying information



# Consider End Uses of the Inventory Data

- SIP planning and modeling
- PSD modeling
- Compliance reviews
- Trend analyses
- Public information
- Fees and invoicing



# Consider enhancements to support end uses

- Ozone attainment and maintenance
- PM<sub>2.5</sub> planning
- Compliance reviews
- PSD modeling



# Distinguishing routine vs. episodic emissions

- What emissions should be compared to permitted allowables?
  - Variances, upsets, malfunctions flagged?
  - Start up and shut down emissions flagged?
- What emissions should be excluded from PSD modeling?
  - Short-term non-routine events flagged?
- What emissions should be excluded from SIP modeling?



# Handling ozone season emissions data

- Refining temporal resolution of NO<sub>x</sub> and VOC
- Where refined data are available
  - Ozone season emissions
  - Ozone day emissions
  - 8-hour emissions
- Reporting lb/MMBtu and fuel data
  - Incorporate RACT reporting requirements?



# EI Web Site

## Enhanced Emissions Inventory Submittal Process via the Internet



# New Web Site

- All EI Data Submitted via Internet
- Easy-to-use Interface
- Download Prior Inventories
- Upload New Inventories
- Certify Inventories
- Query and Report Functions



# Design Process

- Identify Smaller Focus Group
- Rapid Prototype Development
- Intense Review and Modification Cycle
- Key Functionality for 2007 Submittals
- Enhancements and Updates
- Ongoing Feedback and Improvement



# User Roles

- Company Administrator
- Facility Administrator
- Facility Staff
- Inventory Certifier
- Consultant



# EI Process

- Pool of Prior Certified Inventories
- Working Data Tables
- Move Prior Inventory to Working Tables
- Download or Edit Online
- Pre-Certification Review (Draft Invoice)
- Certify – Move New or Modified Inventory to Certified Pool



# File Formats

- Download
  - Excel
  - ASCII (CSV, tab-separated)
  - XML
- Upload
  - ASCII (CSV, tab-separated)
  - XML



# Online Editing

- Company Information
- Facility Information
- Contact Information
- Source List & Parameters
- Emissions



# TEMPO Integration

- Common Database
- Correlate Permit Sources and EI Sources
- Coordinate Company/Facility Contacts
- Simplify Reporting



# Data QA

- Online Data QA – Prior to Certification
- QA Measures:
  - Required fields
  - Reasonableness checks
  - Comparison to prior year(s)
- Review Complete Inventory & Draft Invoice



# Summary

- Simplify EI Submittal Process
- Improve QA Prior to Submittal
- Immediate Feedback on Inventory
- Reduce Errors and Corrections
- Improve Quality of EI Database
- Ensure Stakeholder Participation