Electronic Reporting to BTS

EPA's Electronic Reporting Tool (ERT)

- Software to Standardize Source Test Planning, Reporting and Assessment.

- http://www.epa.gov/ttnchie1/ert/

- Enhancements made to improve and simplify ERT use based on BTS requests. BTS will require electronic submittals of protocols, stack test reports and CEMS PST reports to improve efficiency.

U.S. ENVIRONMENTAL PROTECTION AGENCY

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Electronic Reporting Tool (ERT), Version 4.0

Quick Finder

- Installation, Program Files and User's Guide
- Submitting ERT Submittal Files using CDX/CEDRI
- Search ERT Submittals in WebFIRE
- Regulations with E-Reporting Requirements

- ERT Supported Test Methods
- Test Methods Supporting Documentation
- ERT Training and Webinars
- ERT & WebFIRE Import Spreadsheets

- Update History
- Frequently Asked Questions
- Send Us Your Comments

Released October 2011, **updated September 7, 2012**

The ERT is used to electronically create and submit stationary source sampling test plans to regulatory agencies and, after approval, to calculate and submit the test results as an electronic report to the regulatory agency.

The ERT replaces the time-intensive manual preparation and transcription of stationary source emissions test plans and reports currently performed by contractors for emissions sources and the time-intensive manual quality assurance evaluations and documentation performed by State agencies. The ERT provides a format that:

- Highlights the need to document the key information and procedures required by the existing EPA Federal Test Methods;
- Facilitates coordination among the source, the test contractor, and the regulatory agency in planning and preparing for the emissions test;
- Provides for consistent criteria to quantitatively characterize the quality of the data collected during the emissions test;
- Standardizes the reports; and
- Provides for future capabilities to electronically exchange information in the reports with facility, State or Federal data systems.

In addition to improving the content and quality of source emissions test reports, the ERT should:

- Reduce the workload associated with manual transcription of information and data contained in the report;
- Reduce the resources required to store and access the reports; and
- Reduce redundant efforts in using the data for multiple purposes.

Announcements about the ERT will be made available on the **CHIEF Listserv.** Notices are sent directly to a member's email address.

ERT History

- Way to electronically receive source tests
- ERT v1 - 2006
- ERT v4 – 2011 (included BTS requested enhancements)
  - MS Access 2007; 2010; 2010 64bit
  - Data Entry Spreadsheets
  - Exports to Word
  - Custom Methods / Target Parameters
  - QA for Test Plan
  - Test Quality Questions
  - Performance Specification Tests

ERT In Progress / Future Updates

- **ERT 2013 v4.1 update** (hopefully soon, delayed by Sequester) – Biggest change is adding a Submitter Completeness Checklist and Reviewer Checklist. Layout is also reorganized. Adding Method 30B.

In the works:

- Lab Import

- New Methods

- Audit Sample / Blank Train Results

- Calculate Totals from Subcomponents

- Method Notes in Report

- Additional changes as requested during BTS training session

ERT Overview

- ## ERT Application
  - Microsoft Access 2007 / 2010 / 2010 64bit
- ## Project Data Set
  - Contains all data for one test report
- ## Workflow
  - Many methods supported. Custom method option for those not supported.
  - Test Plans (Protocol) – can also include attachments
  - Review / Approve
  - Test Report – can also include attachments
  - Review / Approve

ERT – Methods Supported

- Methods 1 through 4
  Method 3A
  Method 5
  Methods 5B and 5F
  Method 6C
  Method 7E
  Method 8
  Method 10
  Method 12
  Methods 13A and 13B
  Method 17
  Method 23
  Method 25A

Method 26
Method 26A
Method 29
Method 30B
Method 101
Method 101A
Method 102
Method 103
Method 104
Method 108
Method 201A
Method 202

Method 0011
Method 0061
Method 315
Method 316
CT Method 39
Performance Standard 2
Performance Standard 3
Performance Standard 4
Custom test methods

ERT – Pollutants Quantified

- Filterable Particulate Matter
- Condensable Particulate Matter
- Filterable PM10
- Filterable PM2.5
- Acetaldehyde
- Formaldehyde
- Carbon Monoxide
- Chlorine, Chloride, Hydrogen Chloride, Total Chloride
- Nitrogen Oxides (NOx)
- Sulfur Dioxide
- Sulfuric Acid
- Sulfur Trioxide
- Metals including Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Hexavelant Chromium, Lead, Manganese, Mercury, Nickel, Phosphorus (yellow or white), Selenium, Silver, Thallium and Zinc

- Total Fluoride
- Hydrogen Fluoride
- Hydrogen Bromide
- Total organic compounds (TOC) (as Carbon, Ethane, Methane, Propane)
- Dioxin/Furan Cogeners
- Coplaner PCB's
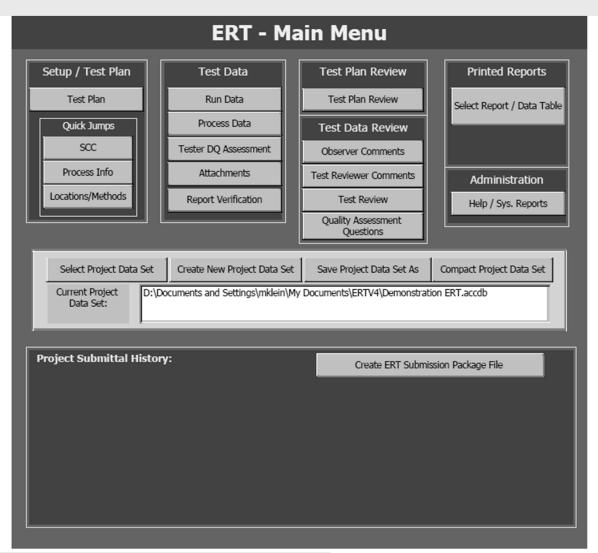- PAH Compounds
- Dioxins / Furans

The CEMS Relative Accuracy Test Audits which can be documented include:
- Carbon Monoxide
- Carbon Dioxide
- Nitrogen Oxides
- Sulfur Dioxide
- Oxygen

ERT Overview - Main Menu Sections

- Menu Items
  - Test Plan
  - Test Report
  - Review
  - Printing
- Project Data Set Selection
  - Select / Create / Save as / Compact
- Submittal History
  - Shows PDS history

Let's Take a Look at ERT Screens

ERT - Main Menu

Setup / Test Plan
Test Plan

Quick Jumps
SCC
Process Info
Locations/Methods

Test Data
Run Data
Process Data
Tester DQ Assessment
Attachments
Report Verification

Test Plan Review
Test Plan Review

Test Data Review
Observer Comments
Test Reviewer Comments
Test Review
Quality Assessment Questions

Printed Reports
Select Report / Data Table

Administration
Help / Sys. Reports

Select Project Data Set | Create New Project Data Set | Save Project Data Set As | Compact Project Data Set

Current Project Data Set: D:\Documents and Settings\mklein\My Documents\ERTV4\Demonstration ERT.accdb

Project Submittal History:

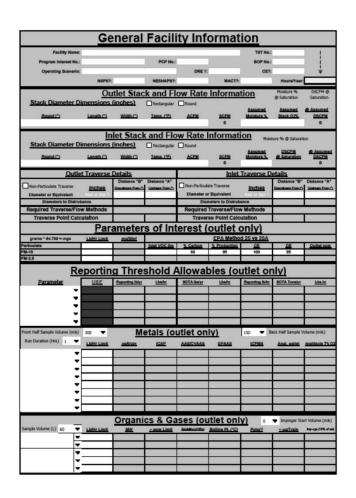Create ERT Submission Package File

Protocol Templates

- Standardized procedures for commonly used methods developed by BTS. They have fill-ins and check boxes to make source-specific.

- Using Templates greatly reduces the BTS protocol review time.

- Currently have 17 Protocol Templates available for use.

- Developing an additional 10 Protocol Templates for incorporation into TM1004.

- Planning to require the use of Protocol Templates for any method that has one available.

- Protocol Templates will be incorporated into NJ ERT submittals as attachments.

Protocol Preparation Tool

- Calculates many of the items needed for a protocol submittal.

- Currently available from BTS website:

http://www.state.nj.us/dep/bts/consult.html

- The functions of this spreadsheet have been incorporated into ERT.

BTS "**ListServe**" Information

Purpose – To provide periodic updates, clarifications and information regarding…..

- Methods and Accepted Procedures
- Technical Manuals
- Webinar Notices
- Training Opportunities

http://www.state.nj.us/dep/bts/subscribe.html

BTS "**ListServe**" Information

Archived Listserv Messages

April 18, 2013

Date	Subject
4/18/13	Audit Program 60-day Clock Has Started
4/2/13	PM-10/PM-2.5 Sampling in "Small" stack clarifications
12/10/2012	BTS Guidance Regarding Non-Detect Sample Fractions and Non-Detect Blanks
11/8/2012	BTS Observer Work Cell Phone Numbers available on-line
9/24/2012	Final Notice on ERT Training
9/19/2012	Extended Certification Periods for EPA Protocol Gases
8/28/2012	Test Programs Delayed by Lack of Method 25 Audits
8/16/2012	Follow-up to July 23, 2012 Listserv: Additional ERT Training
8/16/2012	Testing for PM-10 and/or PM-2.5 in high temperature stacks
8/1/2012	CEMS RA and RATA Reference Method Calibrations
7/23/2012	Electronic Reporting Tool (ERT) - Additional Training
6/4/2012	Audit provider availability update
3/9/2012	Part 75 Listserve
2/2/2012	Testers Encouraged to Pilot the Use of ERT
1/24/2012	Dioxin/furan reporting and EMPCs
12/7/2011	ERT Training

Other Useful Links

EPA Emission Measurement Center -   http://www.epa.gov/ttn/emc/

Stack Test Accreditation Council - http://www.betterdata.org/

Source Evaluation Society - http://www.sesnews.org/

EPA Clean Air Markets - http://www.epa.gov/airmarkets/

Electronic CFR - http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&tpl=%2Findex.tpl

NJDEP Current Rules - http://www.state.nj.us/dep/aqm/rules.html

NJDEP BTS - http://www.state.nj.us/dep/bts/

NJDEP Home Page - http://www.state.nj.us/dep/

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