


Screen Captures of Various Sites Referenced in the Refinery ICR

Testing instructions and information links on <https://refineryicr.rti.org/>



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General Instructions


Please note that you must report your process and emissions testing data using the EPA Electronic Reporting Tool (ERT) (available at this link: http://www.epa.gov/ttn/chief/ert/ert_tool.html). It contains more complete and interactive description of test plan elements. Note that the ERT will run with any version of Microsoft Access released after Access 2000.

For additional guidance on preparing emissions test plans, see Preparation and Review of Site-Specific Emission Test Plans, March 1999, available at <http://www.epa.gov/ttn/emc/guidlnd/gd-042.pdf>,

Listed below are some other useful links:

- [Process Data Template spreadsheet](#)
This spreadsheet is for recording the 30 days of process data that EPA requires surrounding all stack testing efforts.
- [Refinery Testing Supplement](#)
Please report the results of testing if you conducted testing using a method which is not currently supported by ERT.
- [CEMS Hourly Template](#)
This file is used for recording CO, SO₂, NO_X, and/or TRS emission results from existing CEMS during emissions testing.
- [CMS Hourly Template](#)
This file is used for recording H₂S concentration results from existing CMS during emissions testing.
- [ICR Required Data Entry Fields for Data Reported in ERT](#)
This link provides the list of fields within the ERT with notes explaining whether or not the field is required or optional.
- [Technical Support Document for Evaluation of Thoroughly Mixed Biological Treatment Units](#)
- [Technical Support Document for the Evaluation of Aerobic Biological Treatment Units with Multiple Mixing Zones](#)
- [Appendix C to Part 63—Determination of the Fraction Biodegraded \(F_{bio}\) in a Biological Treatment Unit](#)
- [Distillation Feed Analysis](#)
The three files above describe biodegradation rate tests and complete mixing tests for wastewater treatment systems.
- [Distillation Feed Analysis](#)
This file is used to report the results of distillation feed sampling and analysis required by Component 3.

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Component 1

- **Refinery ICR Component 1 Reporting Tool**
Download and install this database to complete Component 1 of the ICR.
- **Definitions and Abbreviations**
This file includes the definitions and abbreviations for terms used throughout the ICR.
- **CEMS Daily Template**
Use this template to provide qualified CEMS data for PM, CO, NOX, SO2, and THC CEMS during 2010. Use a new copy of the spreadsheet for each unit and each pollutant (i.e., the template is designed to handle data from one CEMS.)
- **CMS Daily Template**
Use this template to provide qualified CMS data for H2S, reduced sulfur, total reduced sulfur, hydrocarbon, and Btu CMS on fuel gas or flare gas lines. Use a new copy of the spreadsheet for each unit and each pollutant (i.e., the template is designed to handle data from one CEMS.)
- **Technical Support Document for Evaluation of Thoroughly Mixed Biological Treatment Units**
- **Technical Support Document for the Evaluation of Aerobic Biological Treatment Units with Multiple Mixing Zones**
- **Appendix C to Part 63—Determination of the Fraction Biodegraded (F_{bio}) in a Biological Treatment Unit**
The three files above describe biodegradation rate tests and complete mixing tests for wastewater treatment systems.

Component 2

- **Refinery ICR Component 2 Reporting Tool**
Download and install this database to complete Component 2 of the ICR.
- **List of SCC**
This file includes the list of SCC you should use to complete your emissions inventory.
- **Emission Estimation Protocol for Petroleum Refineries**
This document describes how to estimate emissions for purposes of this ICR.

Component 3

- **Distillation Feed Analysis**
Use this template to complete Component 3 of the ICR.

Component 4

- **Process Data Template spreadsheet**
This spreadsheet is for recording the 30 days of process data that EPA requires surrounding all stack testing efforts.
- **Refinery Testing Supplement**
Please report the results of testing if you conducted testing using a method which is not currently supported by ERT.
- **CEMS Hourly Template**
This file is used for recording CO, SO2, NOX, and/or TRS emission results from existing CEMS during emissions testing.
- **CMS Hourly Template**
This file is used for recording H2S concentration results from existing CMS during emissions testing.
- **ICR Required Data Entry Fields for Data Reported in ERT**
This link provides the list of fields within the ERT with notes explaining whether or not the field is required or optional

ERT Website:

Electronic Reporting Tool (ERT) | Clearinghouse for Emission Inventories and Emission Factors | - Windows Internet Explorer

http://www.epa.gov/ttn/chief/ert_tool.html

U.S. ENVIRONMENTAL PROTECTION AGENCY

Technology Transfer Network Clearinghouse for Inventories & Emissions Factors

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Electronic Reporting Tool (ERT)

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.

Updates to the ERT and other announcements about the ERT will be made available on the **CHIEF Listserv**. [The listserv is easy to join and is open to everyone](#). Notices are sent directly to your email address.

Version 3.1, updated August 31, 2010
[Please read the Update History to keep track of changes and corrections in the program.](#) (PDF 12K)
[Version 3.1 ERT program files, user's manual and training videos](#) are available below.

[The spreadsheet template for importing test data to WebFIRE](#) is available below.

The Electronic Reporting Tool (ERT), a Microsoft Access desktop application, is an electronic alternative for paper reports documenting more than 20 of EPA's emissions measurement methods for stationary sources. The test methods supported by ERT Version 3 include the following:

Methods 1 through 4	Method 25A
Method 3A	Method 26A
Method 5	Method 29
Methods 5B and 5F	Method 101
Method 6C	Method 101A
Method 7E	Method 201A
Method 12	Method 202
Method 10	CT Method 39
Method 12	CT Method 40
Methods 13A and 13B	OTM27
Method 17	OTM28
Method 23	

The pollutants quantified by these test methods include:

- Filterable Particulate Matter