Using e-GGRT to Prepare Your Subpart X Report for RY2014 and Later

This page provides an overview of sub-topics that are central to Subpart X reporting for RY2014 and later:

- Process Unit Summary Information for this Facility
- Subpart X MASS BALANCE Option Reporting for RY2014 and Later
- Subpart X Entering MASS BALANCE Equation Inputs Using IVT
- MASS BALANCE Option Reporting - Measurement Methods Information
- ETHYLENE Option Reporting
- CEMS Option Reporting
- Validation Report

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If you reported for the previous reporting year, the Agency has
carried some of your data from last year into the current
reporting year to reduce the reporting burden. It is still your
responsibility to review and ensure that all of the information
in your submission is correct, but the Agency believes that most
of the data that is carried forward is unlikely to change
significantly from year to year. For more information about carry
forward data, please see the Carry forward of data from previous
submissions help content
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The end of this page contains links you can use for more information on these topics.

> ⚠ If you are using a Best Available Monitoring Method (BAMM) in accordance with the rule in place of a method in Subpart X, you should select the "Other" option in the method menu and write "BAMM" or "Best Available Monitoring Method" in the corresponding text box. Details regarding BAMM methods used should be included in Subpart A.

Process Unit Summary Information for this Facility

Subpart X requires you to provide the following information for each process unit at your facility:

- Name or ID for the petrochemical process (Note that you may also provide a more detailed description of the process to supplement the name or ID)
- Petrochemical produced (methanol, carbon black, acrylonitrile, ethylene dichloride, Ethylene dichloride (stand-alone EDC process), Ethylene dichloride (integrated EDC/VCM process), Ethylene oxide, or ethylene)
- Annual amount of the petrochemical produced (in metric tons)

MASS BALANCE Option Reporting

In addition to the process unit summary information described above, Subpart X also collects the following additional information for process units for which the mass balance methodology was used to calculate emissions:

- Wastewater (Optional Questions)
  - Total Annual Flow of Wastewater
  - Unit of Measure for Total Annual Flow of Wastewater (kg or gal)
  - Annual Average Carbon Content of the Wastewater (decimal fraction)
- Unburned Carbon Releases (Optional Questions)
  - Annual Mass of Carbon Released in Fugitive Emissions Not Controlled with a Combustion Device (in metric tons)
  - Annual Mass of Carbon Released in Process Vents Not Controlled with a Combustion Device (in metric tons)
- Combustion Configurations
  - Identify each Combustion Configuration that Burned Both Process Off-Gas from the Petrochemical Process Unit and Supplemental Fuel by Providing the Name/Identifier of Those Units as Reported under Subpart C (*Note that for these configurations you must report the GHG emissions from the combustion of the supplemental fuel under subpart C*). If there are no such combustion configurations, please type in “none”.

Subpart X requires you to provide the following information for each process unit at your facility for which the mass methodology is used to calculate emissions:

- The annual CO2 mass emissions from process operations and process off-gas combustion calculated from equation inputs using the Input Verification Tool (IVT)
- The name, annual quantity and physical state of each carbon-containing feedstock and product included in Equations X-1, X-2 and X-3

Subpart X requires you to provide the following information about each of the carbon-containing feedstocks and products used by or produced by each of the process units. This information is provided by calendar month for each feedstock and product:

- The methods used to measure mass or volume, carbon content, and molecular weight
- The standard temperature at which volume is reported (60°F or 68°F)

This screen consists of a series of sections. In the top section you enter general information related to the number of days during which off-specification product was produced if the alternative to sampling and analysis option in 98.243(c) was used and the date of any process change that reduced the monthly average concentration to less than 99.5% for each product or feedstock for which this alternative was used. You also enter the measurement methods that you used to determine the mass or volume of the feedstock or product.

Below the top section is a series of sections in which you enter details of the methods used during each month of the reporting year.

ETHYLENE Option Reporting

Subpart X requires you to provide the following feedstock information for each process unit at your facility for which the ETHYLENE combustion methodology is used to calculate emissions:

- The name and annual quantity of each carbon-containing feedstock fed to each ethylene process unit (in metric tons)

Subpart X requires you to provide the following stationary combustion configuration information for each process unit at your facility for which the ETHYLENE combustion methodology is used to calculate emissions:

- The unit name or identifier of the Subpart C stationary combustion configuration that burns process off-gas from the ethylene process unit
- The fraction of the total emissions from this configuration that is attributable to combustion of off-gas from the ethylene process unit

CEMS Option Reporting

For each CEMS Monitoring Location (CML), provide the following information:

- A unique unit name or identifier for the CML (see also About Unique Unit Names)
- An optional description or label for the CML
- The configuration of processes or process units that are monitored by the CML:
  - Single industrial process or process unit that exhausts to a dedicated stack
  - Multiple industrial processes or process units share a common stack
  - Industrial process or process unit shares a common stack with one or more stationary fuel combustion units
- The name of each fuel combusted in the unit(s) monitored by the CEMS
- The Tier 4/CEMS methodology start and end dates
- The cumulative total of hourly CO_2 mass emissions for each quarter of the reporting year (in metric tons) (*Do not cumulate emissions data between quarters.*) These emissions do not include slipstream emissions.
- The total annual CO_2 mass emissions measured by the CEMS (in metric tons). These emissions include slipstream emissions.
- An indication whether emissions reported for the CEMS include emissions calculated according to 98.33(a)(4)(viii) for a slipstream that bypassed the CEMS. Slipstream emissions should be added only to the total annual CO_2 mass emissions measured by the CEMS.
- The total annual biogenic CO_2 emissions from the combustion of all biomass fuels combined (in metric tons) (*if applicable*). These emissions do not include slipstream emissions.
- The total annual non-biogenic CO_2 emissions (includes fossil fuel, sorbent, and process CO_2 emissions, in metric tons). These emissions do not include slipstream emissions.
- The total annual CH_4 and N_2O emissions associated with the combustion of all Table C-2 fuels combusted in all processes/process units monitored by the CEMS derived from application of Equation C-10 (in metric tons) (*if there are no combustion emissions in this CML, please enter zero*)
- The total number of source operating hours in the reporting year
- The total operating hours in which a substitute data value was used in the emissions calculations for the CO_2 concentration parameter
- The total operating hours in which a substitute data value was used in the emissions calculations for the stack gas flow rate parameter
- If moisture correction is required and a continuous moisture monitor is used, the total operating hours in which a substitute data value was used in the emissions calculations for the stack gas moisture content parameter
- An indication of the process units monitored by the CML
- The fraction of CO_2 emissions from CML attributable to CO_2 directly emitted by the process unit plus CO2 generated from the combustion of the off-gas from the petrochemical process unit (decimal fraction), and, the fraction of N_2O, and CH_4 emissions from CML attributable to combustion of the off-gas from the petrochemical process unit (decimal fraction)

Validation Report

The Validation Report assists you with determining the completeness and quality of your reported data.

We strongly encourage you to use the Validation Report to check your work. The Validation Report performs two types of checks:

- Data Completeness: Data required for reporting that are missing or incomplete.
- Data Quality: Data that are outside of the expected range of values.

Certain validation checks which are considered to represent critical errors must be corrected before you can successfully generate and submit your Annual Report. These checks are signified with a stop sign 

. If you feel that you have triggered one of these critical “stop signs” checks in error, or if there’s a reason why your report should be submitted despite the check being triggered, please submit a request to the e-GGRT Help Desk at GHGReporting@epa.gov.

You may view the Validation Report at any time.

> Note that the Validation Report is intended to assist users in entering data, **but it is not an indication that the reporter has entered all necessary information, nor is it an indication that the reporter is in compliance with part 98**. Furthermore, a negative finding on the validation report is not a guarantee that a data element was entered incorrectly. For more detail on the Validation Report and its functionality please review the Subpart Validation Report page.

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See Also

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