

1. Subpart L Fluorinated Gas Production . . . . .	2
1.1 Using e-GGRT to Prepare Your Subpart L Report . . . . .	2

# Subpart L Fluorinated Gas Production

 A printer-friendly version (pdf) (4 pp, 322KB) of GHG reporting instructions for this subpart

Please select a help topic from the list below:

- [Using e-GGRT to Prepare Your Subpart L Report](#)
- [Subpart L Rule Guidance](#)
- [Subpart L Rule Language \(eCFR\)](#)

Additional Resources:

- [Part 98 Terms and Definitions](#)
- [Frequently Asked Questions \(FAQs\)](#)
- [Webinar Slides](#)

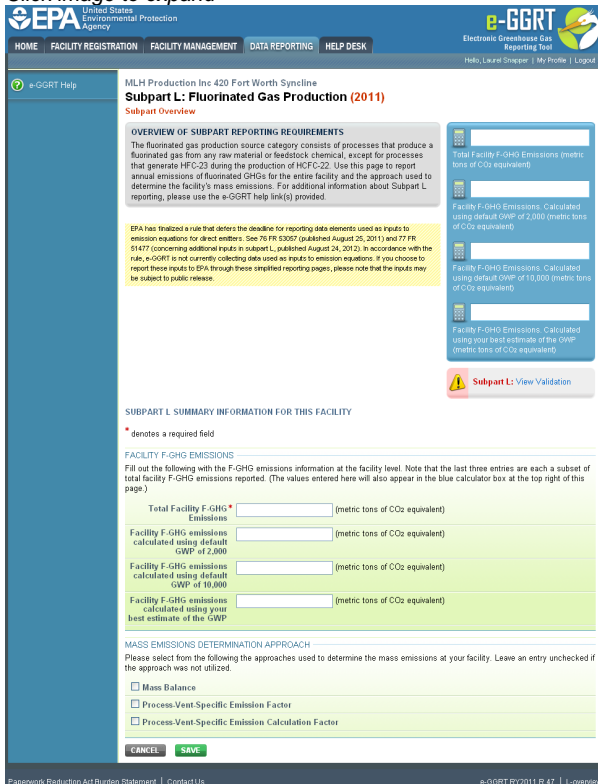
## Using e-GGRT to Prepare Your Subpart L Report

This page provides an overview of subtopics that are central to Subpart L reporting. This information will be entered from the e-GGRT Subpart L Overview web form shown below. Each topic represents a key web form where you need to enter information:

- [Facility f-GHG Emissions](#)
- [Mass Emissions Determination Approach](#)

Subpart L requires affected facilities to report their total emissions of fluorinated GHGs, the emission estimation approaches used to determine mass emissions from the facility, and, if applicable, the emission estimation method used to determine equipment leak emissions.

Click image to expand



**EPA** United States Environmental Protection Agency

**e-GGRT** Electronic Greenhouse Gas Reporting Tool

HOME FACILITY REGISTRATION FACILITY MANAGEMENT DATA REPORTING HELP DESK

MLH Production Inc 420 Fort Worth Syncline  
**Subpart L: Fluorinated Gas Production (2011)**  
Subpart Overview

**OVERVIEW OF SUBPART REPORTING REQUIREMENTS**  
The fluorinated gas production source category consists of processes that produce a fluorinated gas from any raw material or feedstock chemical, except for processes that generate HFC-23 during the production of HCFC-22. Use this page to report annual emissions of fluorinated GHGs for the entire facility and the approach used to determine the facility's mass emissions. For additional information about Subpart L reporting, please use the e-GGRT help link(s) provided.

EPA has finalized a rule that defers the deadline for reporting data elements used as inputs to emission equations for direct emitters. See 76 FR 53007 (published August 25, 2011) and 77 FR 51472 (concerning additional inputs in Subpart L, published August 24, 2012). In accordance with the rule, e-GGRT is not currently collecting data used as inputs to emission equations. If you choose to report these inputs to EPA through these simplified reporting pages, please note that the inputs may be subject to public release.

**FACILITY f-GHG EMISSIONS**  
Total Facility f-GHG Emissions (metric tons of CO<sub>2</sub> equivalent)

Facility f-GHG Emissions calculated using default GWP of 2,000 (metric tons of CO<sub>2</sub> equivalent)

Facility f-GHG Emissions calculated using default GWP of 10,000 (metric tons of CO<sub>2</sub> equivalent)

Facility f-GHG Emissions calculated using your best estimate of the GWP (metric tons of CO<sub>2</sub> equivalent)

**MASS EMISSIONS DETERMINATION APPROACH**  
Please select from the following the approaches used to determine the mass emissions at your facility. Leave an entry unchecked if the approach was not utilized.

Mass Balance  
 Process-Vent-Specific Emission Factor  
 Process-Vent-Specific Emission Calculation Factor

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## Facility f-GHG Emissions

Subpart L requires affected facilities to report their total annual emissions of fluorinated GHGs for the entire facility, expressed in terms of metric tons of carbon dioxide equivalent (CO<sub>2e</sub>). This includes emissions from all fluorinated gas production processes, all fluorinated gas transformation processes that are not part of a fluorinated gas production process, all fluorinated gas destruction processes that are not part of a fluorinated gas production process or a fluorinated gas transformation process, and venting of residual fluorinated GHGs from containers returned from the field.

If applicable, also provide the total annual emissions of fluorinated GHGs that were calculated using the default GWP of 2,000, the total annual emissions that were calculated using the default GWP of 10,000, and the total annual emissions that were calculated using your best estimate of the GWP. All masses should be provided in CO<sub>2e</sub> and should include all significant figures, including fractions of tons, if applicable.

[Back to Top](#)

## Mass Emissions Determination Approach

Next, provide information regarding which approach(es) were used to determine mass emissions at your facility. A facility may have used just one of the approaches listed, two of the approaches, or all three of the approaches. Please select the applicable approaches under "Mass Emissions Determination Approach."

[Back to Top](#)

[Click image to expand](#)

The screenshot shows the EPA e-GGRT web application interface. At the top, there are navigation tabs: HOME, FACILITY REGISTRATION, FACILITY MANAGEMENT, DATA REPORTING, and HELP DESK. The user is logged in as "Hello, Lauren Steeper". The main content area is titled "Subpart L: Fluorinated Gas Production (2011)" for "MLH Production Inc 420 Fort Worth Syncline".

**OVERVIEW OF SUBPART REPORTING REQUIREMENTS**  
 The fluorinated gas production source category consists of processes that produce a fluorinated gas from any raw material or feedstock chemical, except for processes that generate HFC-23 during the production of HFC-22. Use this page to report annual emissions of fluorinated GHGs for the entire facility and the approach used to determine the facility's mass emissions. For additional information about Subpart L reporting, please use the e-GGRT help link(s) provided.

EPA has finalized a rule that defers the deadline for reporting data elements used as inputs to emission equations for direct emitters. See 70 FR 53057 (published August 25, 2011) and 77 FR 51477 (concerning additional inputs in subpart L, published August 24, 2012) in accordance with the rule, e-GGRT is not currently collecting data used as inputs to emission equations. If you choose to report these inputs to EPA through these simplified reporting pages, please note that the inputs may be subject to public release.

**Summary of Emissions:**

- Total Facility F-GHG Emissions: 34,603.2 (metric tons of CO<sub>2</sub> equivalent)
- Facility F-GHG Emissions (using default GWP of 2,000): 17,009.3 (metric tons of CO<sub>2</sub> equivalent)
- Facility F-GHG Emissions (using default GWP of 10,000): 14,291.0 (metric tons of CO<sub>2</sub> equivalent)
- Facility F-GHG Emissions (using your best estimate of the GWP): 3,202.9 (metric tons of CO<sub>2</sub> equivalent)

**SUBPART L SUMMARY INFORMATION FOR THIS FACILITY**

\* denotes a required field

**FACILITY F-GHG EMISSIONS**  
 Fill out the following with the F-GHG emissions information at the facility level. Note that the last three entries are each a subset of total facility F-GHG emissions reported. (The values entered here will also appear in the blue calculator box at the top right of this page.)

Total Facility F-GHG Emissions	34603.21	(metric tons of CO <sub>2</sub> equivalent)
Facility F-GHG emissions calculated using default GWP of 2,000	17009.26	(metric tons of CO <sub>2</sub> equivalent)
Facility F-GHG emissions calculated using default GWP of 10,000	14291.02	(metric tons of CO <sub>2</sub> equivalent)
Facility F-GHG emissions calculated using your best estimate of the GWP	3202.9	(metric tons of CO <sub>2</sub> equivalent)

**MASS EMISSIONS DETERMINATION APPROACH**  
 Please select from the following the approaches used to determine the mass emissions at your facility. Leave an entry unchecked if the approach was not utilized.

- Mass Balance
- Process-Vent-Specific Emission Factor
- Process-Vent-Specific Emission Calculation Factor

Buttons: CANCEL, SAVE

Page footer: Framework Reduction Act Burden Statement | Contact Us | e-GGRT RY2011 R.47 | L-026100

If you used the process-vent-specific emission factor (EF) approach and/or the process-vent emission calculation factor (ECF) approach, you are also required to provide the method used to estimate emissions from equipment leaks. Indicate whether or not each of the listed estimation methods was used by selecting the applicable methods under "Equipment Leak Emissions Estimation Method."

[Click image to expand](#)

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Hello, Laurel Shepper | My Profile | Logout

[e-GGRT Help](#)

**MLH Production Inc 420 Fort Worth Syncline**  
**Subpart L: Fluorinated Gas Production (2011)**  
[Subpart Overview](#)

**OVERVIEW OF SUBPART REPORTING REQUIREMENTS**

The fluorinated gas production source category consists of processes that produce a fluorinated gas from any raw material or feedstock chemical, except for processes that generate HFC-23 during the production of HCFC-22. Use this page to report annual emissions of fluorinated GHGs for the entire facility and the approach used to determine the facility's mass emissions. For additional information about Subpart L reporting, please use the e-GGRT help link(s) provided.

EPA has finalized a rule that defers the deadline for reporting data elements used as inputs to emission equations for direct emitters. See 76 FR 53057 (published August 25, 2011) and 77 FR 51477 (concerning additional inputs in subpart L, published August 24, 2012). In accordance with the rule, e-GGRT is not currently collecting data used as inputs to emission equations. If you choose to report these inputs to EPA through these simplified reporting pages, please note that the inputs may be subject to public release.

34,003.2

Total Facility F-GHG Emissions (metric tons of CO<sub>2</sub> equivalent)

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17,009.3

Facility F-GHG Emissions, Calculated using default GWP of 2,000 (metric tons of CO<sub>2</sub> equivalent)

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14,291.0

Facility F-GHG Emissions, Calculated using default GWP of 10,000 (metric tons of CO<sub>2</sub> equivalent)

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3,202.9

Facility F-GHG Emissions, Calculated using your best estimate of the GWP (metric tons of CO<sub>2</sub> equivalent)

✓ Subpart L: No Validation Messages

**SUBPART L SUMMARY INFORMATION FOR THIS FACILITY**

\* denotes a required field

**FACILITY F-GHG EMISSIONS**

Fill out the following with the F-GHG emissions information at the facility level. Note that the last three entries are each a subset of total facility F-GHG emissions reported. (The values entered here will also appear in the blue calculator box at the top right of this page.)

Total Facility F-GHG* Emissions	34003.21 (metric tons of CO <sub>2</sub> equivalent)
Facility F-GHG emissions calculated using default GWP of 2,000	17009.256 (metric tons of CO <sub>2</sub> equivalent)
Facility F-GHG emissions calculated using default GWP of 10,000	14291.023 (metric tons of CO <sub>2</sub> equivalent)
Facility F-GHG emissions calculated using your best estimate of the GWP	3202.9 (metric tons of CO <sub>2</sub> equivalent)

**MASS EMISSIONS DETERMINATION APPROACH**

Please select from the following the approaches used to determine the mass emissions at your facility. Leave an entry unchecked if the approach was not utilized.

Mass Balance  
 Process-Vent-Specific Emission Factor  
 Process-Vent-Specific Emission Calculation Factor

**EQUIPMENT LEAK EMISSIONS ESTIMATION METHOD**

Please select from the following the methods used to estimate emissions from equipment leaks if the process-vent-specific emission factor approach and/or the process-vent emission calculation factor approach were used. Leave an entry unchecked if the approach was not utilized.


Average Emission Factor Approach (in EPA Protocol for Equipment Leak Emission Estimates (EPA Protocol))  
 Screening Ranges Approach (in EPA Protocol) in conjunction with EPA Method 21  
 EPA Correlation Approach (in EPA Protocol) in conjunction with EPA Method 21  
 Unit Specific Correlation Approach (in EPA Protocol) in conjunction with EPA Method 21  
 Screening Ranges Approach (in EPA Protocol) in conjunction with site specific leak monitoring methods  
 EPA Correlation Approach (in EPA Protocol) in conjunction with site specific leak monitoring methods  
 Unit Specific Correlation Approach (in EPA Protocol) in conjunction with site specific leak monitoring methods  
 Other Site-Specific leak monitoring methods

CANCEL
SAVE


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Once the facility information has been completed, scroll to the bottom of the page and click "SAVE" to store your data and then click "CANCEL" to return to the Facility or Supplier Overview screen.

*Click image to expand*



United States Environmental Protection Agency



Electronic Greenhouse Gas Reporting Tool

HOME
FACILITY REGISTRATION
FACILITY MANAGEMENT
DATA REPORTING

Help, Mail Me! | My Profile | Logout

**e-GGRT Help**

- How to add a subpart and report data
- General reporting information
- How to submit an annual report

### R H H Environmental

## e-GGRT Greenhouse Gas Data Reporting (2011)

Select Facility = [Facility or Supplier Overview](#)

**FACILITY OR SUPPLIER OVERVIEW**

This page allows you to add the source and/or supplier categories for which your facility or supplier will be reporting, then to access those data reporting screens using the OPEN buttons.

After data reporting is complete, you can initiate the annual report review and submission process from this page by using the SUBMIT button (or RESUBMIT for subsequent submissions if needed).

**Facility's GHG Reporting Method:** Data entry via e-GGRT web forms (Change)

**CO2 equivalent emissions from facility subparts C-II and RR-UU (metric tons)**

**66,233,818.6**

**CO2 equivalent emissions from supplier subparts L-U (metric tons)**

**1,900.0**

**Biogenic CO2 emissions from facility subparts C-II and RR-UU (metric tons)**

**0.0**

**CO2 equivalent emissions from supplier subparts L-U (metric tons)**

**0.0**

[VIEW OHG DETAILS](#)

2011 Reporting Source or Supplier Category	Validation Messages?	Subpart Reporting
Subpart A—General Information	None	<a href="#">OPEN</a>
Subpart D—Electricity Generation	View Messages	<a href="#">OPEN</a>
Subpart I—Electronics Manufacturing	View Messages	<a href="#">OPEN</a>
Subpart L—Fluorinated Gas Production	None	<a href="#">OPEN</a>
Subpart O—Iron and Steel Production	View Messages	<a href="#">OPEN</a>
Subpart S—Lime Production	View Messages	<a href="#">OPEN</a>
Subpart T—Magnesium Production	View Messages	<a href="#">OPEN</a>
Subpart W—Petroleum and Natural Gas Systems	None	<a href="#">OPEN</a>
Subpart F—Underground Coal Mines	View Messages	<a href="#">OPEN</a>
Subpart N—Industrial Wastewater Treatment	View Messages	<a href="#">OPEN</a>
Subpart NA—Suppliers of Natural Gas and NGLs	View Messages	<a href="#">OPEN</a>
Subpart PP—Suppliers of Carbon Dioxide (CO2)	View Messages	<a href="#">OPEN</a>
Subpart QD—Importers and Exporters of Fluorinated Greenhouse Gases Contained in Pre-Charged Equipment or Closed-Cell Foams	View Messages	<a href="#">OPEN</a>
Subpart SS—Electrical Equipment Manufacturer or Refurbishment	View Messages	<a href="#">OPEN</a>
Subpart TT—Industrial Waste Landfills	View Messages	<a href="#">OPEN</a>
Subpart UU—Injection of Carbon Dioxide	View Messages	<a href="#">OPEN</a>

[ADD or REMOVE Subparts](#)

If all subparts are completed and Validation Messages addressed to your satisfaction, you are ready to prepare and submit an Annual Report.

Subpart	Uploaded File Name	Status	Submitted Date	Certification Date
2011 Annual Report v1		Not Generated		

[GENERATE | SUBMIT](#) ✖

**VIEW REPORTS:** Annual Report reviewable formats (including public, non-CBI versions and trend reports) for all submissions this reporting year can be accessed on the View Reports page.

**NOT SUBMITTING AN ANNUAL REPORT FOR 2011**

If you are not submitting an Annual Report for this Reporting Year, please indicate why

(clear all)

Not submitting - cessation of operations: [R-2][O] all applicable GHG-emitting processes and operations have ceased to operate prior to January 1, 2011. (Do NOT select if operations ceased in 2011).

Not submitting - operations have not yet begun: Facility is under construction; applicable GHG-emitting processes and operations had not yet begun by December 31 of the Reporting year.

Not submitting - Other.

[SAVE](#) [CANCEL](#)

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## See Also

Screen Errors  
Subpart Validation Report

[Back to Top](#)