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Subpart T - Magnesium Production

 A printer-friendly version (pdf) (13 pp, 1.45MB) of GHG reporting instructions for this subpart

Please select a help topic from the list below:

- [Using e-GGRT to Prepare Your Subpart T Report](#)
 - [GHG Composition Information](#)
 - [Subpart T Emissions Information](#)
 - [Subpart T Magnesium Production Process Information for this Facility](#)
 - [Subpart T Production Process Information](#)
 - [Subpart T Validation Report](#)
- [Subpart T Rule Guidance](#)
- [Subpart T Rule Language \(eCFR\)](#)

Additional Resources:

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

Using e-GGRT to Prepare Your Subpart T Report

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

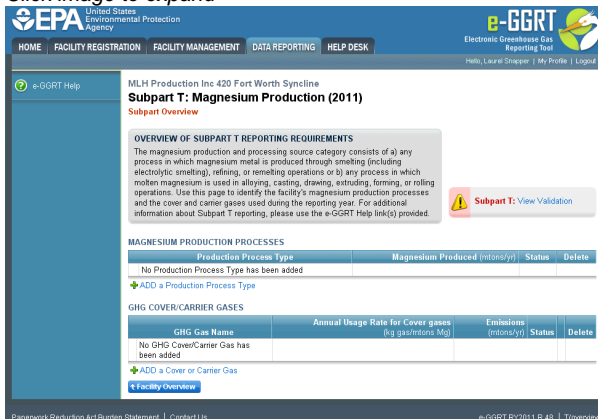
- [Subpart T Magnesium Production Processes for this Facility](#)
- [Subpart T Production Process Information](#)
- [Subpart T Emissions Information](#)
- [Subpart T Validation Report](#)

The end of this overview page provides links for more detailed information and instructions on entering required information related to each of these topics.

The magnesium production and processing source category consists of:

- any process in which magnesium metal is produced through smelting (including electrolytic smelting), refining, or remelting operation or
- any process in which molten magnesium is used in alloying, casting, drawing, extruding, forming, or rolling operations. Use this page to identify the facility's magnesium production processes and the cover and carrier gases used during the reporting year.

Click image to expand



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 T: Magnesium Production (2011)

Subpart Overview

OVERVIEW OF SUBPART T REPORTING REQUIREMENTS
The magnesium production and processing source category consists of a) any process in which magnesium metal is produced through smelting (including electrolytic smelting), refining, or remelting operations or b) any process in which molten magnesium is used in alloying, casting, drawing, extruding, forming, or rolling operations. Use this page to identify the facility's magnesium production processes and the cover and carrier gases used during the reporting year. For additional information about Subpart T reporting, please use the e-GGRT Help link(s) provided.

[Subpart T: View Validation](#)

MAGNESIUM PRODUCTION PROCESSES

Production Process Type	Magnesium Produced (mt/tons/yr)	Status	Delete
No Production Process Type has been added			
ADD a Production Process Type			

GHG COVER/CARRIER GASES

GHG Gas Name	Annual Usage Rate for Cover gases (kg gas/mt/tons Mg)	Emissions (mt/tons/yr)	Status	Delete
No GHG Cover/Carrier Gas has been added				
ADD a Cover or Carrier Gas				

[Facility Overview](#)

Paperwork Reduction Act Burden Statement | Contact Us | e-GGRT R12011 R.48 | Troubleshoot

Subpart T Magnesium Production Processes for this Facility

Subpart T requires a facility to identify each of its production process types and to provide the information described below for each. Once you

have identified a production process type, identify each production unit of that production process type.

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Subpart T Production Process Information

Subpart T requires a facility to identify each of its production process types and to provide the information described below for each. Once you have identified a production process type, identify each production unit of that production process type.

[Back to Top](#)

Subpart T Emissions Information

Use this page to enter the GHG data required by Subpart T. Please enter the information shown for this cover or carrier gas.

[Back to Top](#)

Subpart T Validation Report

You can use the Validation Report to assist with the completeness and quality of your reporting data.

You should use the Validation Report to check your work. The Validation Report performs three types of checks:

- Data Completeness: Data that are required for reporting are missing or incomplete.
- Data Quality: Data are outside of the expected range of values.
- Screen Errors: Critical errors which prevent the acceptance of the reported data. Typically these will appear on the upload page.

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.

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GHG Composition Information

Step 1: Add a GHG composition

Select Add Cover/Carrier Gas Composition

Click image to expand

The screenshot shows the EPA e-GGRT interface for adding or editing a production unit. The page title is 'Subpart T: Magnesium Production (2011)'. The main heading is 'ADD-EDIT PRODUCTION UNIT'. Below this, there is a 'UNIT INFORMATION' section with fields for 'Production Process Type' (set to 'Primary Production'), 'Name or Identifier' (with a value of 'Unit 1'), 'Unit Description', and 'Unit Type' (set to 'Crucible'). There is also a 'COVER-CARRIER GAS DETAILS' section with a 'Flow Rate of Cover/Carrier Gas' field set to '1208 (tcfh)'. At the bottom, there is a table for 'COMPOSITION OF COVER-CARRIER GAS MIXTURE' with columns for 'Cover/Carrier Gas Name', 'Gas Type', and 'Volume Percent'. The table currently has one row: 'No Composition of Cover/Carrier Gas Mixture has been added'. Below the table is a link to '+ Add Cover/Carrier Gas Composition'. The form has 'SAVE' and 'CANCEL' buttons at the bottom.

Step 2: Enter composition information

First indicate the gas type, cover gas or carrier gas. Then select the GHG contained in the cover/carrier gas mixture from the drop down menu

Click image to expand

The screenshot shows the 'ADD EDIT GHG COMPOSITION' form in the EPA e-GGRT system. The form is for 'Subpart T: Magnesium Production (2011)'. It includes a 'Gas Type' section with radio buttons for 'Cover Gas' (selected) and 'Carrier Gas'. Below this is a 'Cover Gas Name' dropdown menu with 'Sulfur Hexafluoride' selected. The 'Volume Percent' field is currently empty. A 'SAVE' button is visible at the bottom left.

Lastly, enter the percent volume for each of the gases identified

Click image to expand

This screenshot shows the same 'ADD EDIT GHG COMPOSITION' form, but now the 'Volume Percent' field contains the value '37 (%)'. The 'SAVE' button is highlighted in green, indicating it is the next step.

Select 'SAVE'. e-GGRT returns to the production unit information screen

Click image to expand

The screenshot shows the 'ADD EDIT PRODUCTION UNIT' form. It includes a 'UNIT INFORMATION' section with fields for 'Production Process Type' (Primary Production), 'Name or Identifier' (Unit 1), and 'Unit Description'. Below this is a 'COVER/CARRIER GAS DETAILS' section with a 'Flow Rate of Cover/Carrier Gas' field (1200 scfm). At the bottom, there is a 'COMPOSITION OF COVER/CARRIER GAS MIXTURE' table with one entry: Sulfur Hexafluoride, Cover Gas, 37%. A 'SAVE' button is highlighted in green.

Subpart T Emissions Information

This topic provides a step-by-step description of how to enter Subpart T emissions information about this facility.

Use this page to enter the GHG data required by Subpart T. Please enter the information shown for this cover or carrier gas.

Step 1: Add a cover or carrier gas

Click the link named "ADD a Cover or Carrier Gas" from the subpart T Overview screen under the GHG COVER/CARRIER GASES table.

Click image to expand

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 T: Magnesium Production (2011)
 Subpart Overview

OVERVIEW OF SUBPART T REPORTING REQUIREMENTS
 The magnesium production and processing source category consists of a) any process in which magnesium metal is produced through smelting (including electrolytic smelting), refining, or remelting operations or b) any process in which molten magnesium is used in alloying, casting, drawing, extruding, forming, or rolling operations. Use this page to identify the facility's magnesium production processes and the cover and carrier gases used during the reporting year. For additional information about Subpart T reporting, please use the e-GGRT Help link(s) provided.

MAGNESIUM PRODUCTION PROCESSES

Production Process Type	Magnesium Produced (mtons/yr)	Status	Delete
Die Casting	345,2312	Complete	X

GHG COVER/CARRIER GASES

GHG Gas Name	Annual Usage Rate for Cover gases (kg gas/mtons Mg)	Emissions (mtons/yr)	Status	Delete
No GHG Cover or Carrier Gas has been added.				

Step 2: Enter cover gas information

Enter each cover gas used at the facility by selecting from the "GHG Cover or Carrier Gas" drop down menu.

Click image to expand

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 T: Magnesium Production (2011)
 Subpart Overview | Add/Edit Cover or Carrier Gas

ADD/EDIT COVER OR CARRIER GAS
 Use this page to identify each GHG cover or carrier gas used at your facility, provide additional information regarding only cover gas usage rates, and describe any new technology accounting for a GHG emissions change (as applicable). For additional information about adding and editing Subpart T cover or carrier gases, please use the e-GGRT Help link(s) provided. * Denotes a required field

IDENTIFY GAS
 Note: If your facility uses a GHG carrier gas (e.g. carbon dioxide), it should also be identified. To do so, select "Other GHG Cover Gas" from the drop-down list, and provide the gas's name and CAS Number (e.g., "Carbon dioxide" and "724-30-9") in the fields provided. You must leave the Chemical Formula field blank. If you have further questions, please contact the e-GGRT Help Desk.

GHG Cover or Carrier Gas*

GAS DETAILS

Annual Cover Gas Usage Rate

Explanation of any change greater than 30% in usage rate (as compared to the prior year)

A description of any new melt protection technologies adopted to account for reduced or increase GHG emissions in any given year

SAVE | CANCEL

After selecting the cover gas, enter the annual usage rate for each cover gas identified, an explanation for any change (greater than 30%) in the facility's usage rate (facility-wide) of each of the cover gases identified, and a description of any new melt protection technologies adopted that would account for reduced or increased GHG emissions.

Click image to expand

ADD/EDIT COVER OR CARRIER GAS
Use this page to identify each GHG cover or carrier gas used at your facility, provide additional information regarding only cover gas usage rates, and describe any new technology accounting for a GHG emissions change (as applicable). For additional information about adding and editing Subpart T cover or carrier gases, please use the e-GGRT Help link(s) provided. * Denotes a required field

IDENTITY GAS
Note: If your facility uses a GHG carrier gas (e.g. carbon dioxide), it should also be identified. To do so, select "Other GHG Cover Gas" item in the drop-down list, and provide the gas's name and CAS Number (e.g. "Carbon dioxide" and "124-38-9") in the fields provided. You must leave the Chemical Formula field blank. If you have further questions, please contact the e-GGRT Help Desk.

GHG Cover or Carrier Gas *

GAS DETAILS
Annual Cover Gas Usage Rate (kg/ton/Mg) **Note:** This field is required. If you have entered a GHG Cover gas, please enter annual usage rate. If you have entered a GHG carrier gas, please enter "0" (zero) in the Annual Cover Gas Usage Rate field.

Explanation of any change greater than 30% in usage rate (as compared to the prior year)

A description of any new melt protection technologies adopted to account for reduced or increase GHG emissions in any given year

Click "SAVE". e-GGRT will return to the subpart T Overview screen.

OVERVIEW OF SUBPART T REPORTING REQUIREMENTS
The magnesium production and processing source category consists of a) any process in which magnesium metal is produced through smelting (including electrolytic smelting), refining, or remelting operations or b) any process in which molten magnesium is used in alloying, casting, drawing, extruding, forming, or rolling operations. Use this page to identify the facility's magnesium production processes and the cover and carrier gases used during the reporting year. For additional information about Subpart T reporting, please use the e-GGRT Help link(s) provided.

MAGNESIUM PRODUCTION PROCESSES

Production Process Type	Magnesium Produced (tonnes/yr)	Status	Delete
Die Casting	945,2312	Complete	<input type="button" value="X"/>

GHG COVER/CARRIER GASES

GHG Gas Name	Annual Usage Rate for Cover gases (kg gas/tonnes Mg)	Emissions (tonnes/yr)	Status	Delete
Sulfur hexafluoride	4		Incomplete	OPEN <input type="button" value="X"/>

Step 3: Enter carrier gas information

If your facility uses a GHG carrier gas, select "Other GHG Cover Gas" from the drop down menu on the "Add/Edit Cover or Carrier Gas" page.

Enter the gas's name and CAS number. Leave the "Chemical Formula" field blank.

Enter a "0" (zero) in the "Annual Cover Gas Usage Rate" field.

IDENTITY GAS
Note: If your facility uses a GHG carrier gas (e.g. carbon dioxide), it should also be identified. To do so, select "Other GHG Cover Gas" item in the drop-down list, and provide the gas's name and CAS Number (e.g. "Carbon dioxide" and "124-38-9") in the fields provided. You must leave the Chemical Formula field blank. If you have further questions, please contact the e-GGRT Help Desk.

GHG Cover or Carrier Gas *

GHG Name *

CAS Number *

Chemical Formula

GAS DETAILS
Annual Cover Gas Usage Rate (kg/ton/Mg) **Note:** This field is required. If you have entered a GHG Cover gas, please enter annual usage rate. If you have entered a GHG carrier gas, please enter "0" (zero) in the Annual Cover Gas Usage Rate field.

Click "SAVE". e-GGRT will return to the subpart T Overview screen.

Click image to expand

The screenshot shows the EPA e-GGRT interface for Subpart T: Magnesium Production (2011). The page title is "MLH Production Inc 420 Fort Worth Syncline Subpart T: Magnesium Production (2011)". There is a "Subpart Overview" section with an "OVERVIEW OF SUBPART T REPORTING REQUIREMENTS" and a "Subpart T: View Validation" button. Below this is a table for "MAGNESIUM PRODUCTION PROCESSES" with one entry: "Die Casting" with "Magnesium Produced (mt/tons/yr)" of 345,231.2 and "Status" of "Complete". Another table, "GHG COVER/CARRIER GASES", lists "Sulfur hexafluoride" and "Carbon Dioxide" with "Annual Usage Rate for Cover gases (kg gas/mt/tons Mg)" of 4 and 0 respectively, and "Emissions (mt/tons/yr)" of "Incomplete". Both have "Status" of "OPEN".

Step 4: Enter emissions information

Click "OPEN" to enter the total annual facility emissions resulting from the GHG's use as a cover or carrier gas:

- Enter the total annual emissions
- The method used to calculate the emissions.

If you select one of the Method T-2 options, complete the fields in the MISSING DATA INFORMATION section.

Click image to expand

The screenshot shows the "GHG EMISSIONS DETAILS" screen. It includes a "Total Annual Emissions resulting from use" field with a value of 22,7231 (metric tons) and a "Method used to calculate emissions" section with radio buttons for "Method T-1", "Method T-2 using cylinder weights", and "Method T-2 using mass flow monitors". The "MISSING DATA INFORMATION" section has a "Were missing data provisions used to estimate emissions for this GHG?" field set to "Yes". Below this is a "Missing Data Method used to estimate emissions" dropdown set to "Calculated the missing data for the cover gas using Equation T-4", a "Time period (h) during which method was used" field set to 30 days, and a "Quantity of emissions estimated using method" field set to 1,1077 (metric tons). "SAVE" and "CANCEL" buttons are at the bottom.

Click "SAVE". e-GGRT will return to the subpart T Overview screen.

Click image to expand

This screenshot is identical to the first one, showing the "Subpart T: Magnesium Production (2011) Overview" screen. The "GHG COVER/CARRIER GASES" table now shows "Sulfur hexafluoride" with "Emissions (mt/tons/yr)" of 22,7231 and "Status" of "Complete", and "Carbon Dioxide" with "Emissions (mt/tons/yr)" of 13.01 and "Status" of "OPEN".

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Subpart T Magnesium Production Process Information for this Facility

This topic provides a step-by-step description of how to enter Subpart T production process information about this Facility.

Subpart T requires a facility to identify each of its production process types and to provide the information described below for each. Once you have identified a production process type, identify each production unit of that production process type.

Adding or Updating Production Process Information about this Facility

To add or update Subpart T Production Process Information for this Facility, locate the REPORT DATA table on the Facility Overview page, and click OPEN next to Subpart T.

Click image to expand

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 (Charge)

REPORT DATA

Subpart	Validation Messages	Subpart Reporting
Subpart A—General Information	View Messages	OPEN
Subpart D—Electricity Generation	View Messages	OPEN
Subpart E—Electronics Manufacturing	View Messages	OPEN
Subpart S—Lime Production	View Messages	OPEN
Subpart T—Magnesium Production	View Messages	OPEN
Subpart W—Petroleum and Natural Gas Systems	View Messages	OPEN
Subpart F—Liquefied Coal Flows	View Messages	OPEN
Subpart I—Industrial Wastewater Treatment	View Messages	OPEN
Subpart M—Suppliers of Natural Gas and NGLs	View Messages	OPEN
Subpart P—Suppliers of Carbon Dioxide (CO ₂)	View Messages	OPEN
Subpart G—Gaseous Separation of Carbon Dioxide	View Messages	OPEN
Subpart SS—Electrical Equipment Manufacture or Refurbishment	View Messages	OPEN
Subpart UU—Injection of Carbon Dioxide	None	OPEN

ADD or REMOVE Subparts

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

SUBMIT ANNUAL REPORT

Report	Uploaded File Name	Status	Submitted Date	Certification Date

VIEW REPORTS Annual Report viewable formats (including public, non-CDI versions and trend reports) for all submissions. The 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:

- Not submitting until September 28, 2012. For more information regarding who can defer reporting until September 28, 2012, please see 76 FR 7306.
- Not submitting - cessation of operations. DR 2012(2) 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.

Subpart T requires you to report the following data about your facility or company:

- Magnesium Production Processes
- GHG Cover and Carrier Gases

Click image to expand

Subpart T: Magnesium Production (2011)
[Subpart Overview](#)

OVERVIEW OF SUBPART T REPORTING REQUIREMENTS
The magnesium production and processing source category consists of a) any process in which magnesium metal is produced through smelting (including electrolytic smelting), refining, or remelting operations or b) any process in which molten magnesium is used in alloying, casting, drawing, extruding, forming, or rolling operations. Use this page to identify the facility's magnesium production processes and the cover and carrier gases used during the reporting year. For additional information about Subpart T reporting, please use the e-GGRT Help link(s) provided.

MAGNESIUM PRODUCTION PROCESSES

Production Process Type	Magnesium Produced (mt/ons/yr)	Status	Delete
No Production Process Type has been added			

GHG COVER/CARRIER GASES

GHG Gas Name	Annual Usage Rate for Cover gases (kg gas/mt/ons Mg)	Emissions (mt/ons/yr)	Status	Delete
No GHG Cover or Carrier Gas has been added				

This information must be input to e-GGRT.

To enter your production process type, click the "ADD a Production Process Type" link.

On the "Add/Edit Production Process" page, select the production process type from the drop-down menu.

Click image to expand

MLH Production Inc 420 Fort Worth Syncline
Subpart T: Magnesium Production (2011)
Subpart Overview - Add/Edit Production Process

ADD/EDIT PRODUCTION PROCESS
Subpart T requires a facility to identify each of its production process types and to provide the information described below for each. Once you have identified a production process type, identify each production unit of that production process type. For additional information about adding and editing a production process types and production units, please use the e-GGRT Help link(s) provided. * Denotes a required field

Production Process Type * (dropdown menu open with options: Select, Primary Production, Secondary Production (Recycling), Die Casting, Sand Casting, Anode Casting, Permanent Mold Casting, Wrought Products, Other Process)

Amount of Magnesium Produced or Processed for this Production Process Type

PRODUCTION UNITS

Unit Name/Identifier	Unit Type	Delete
No Production Unit has been added		

[ADD a Production Unit](#)
[SAVE](#) [CANCEL](#)

Next, enter amount of magnesium produced or processed for each process type.

Click image to expand

MLH Production Inc 420 Fort Worth Syncline
Subpart T: Magnesium Production (2011)
Subpart Overview - Add/Edit Production Process

ADD/EDIT PRODUCTION PROCESS
Subpart T requires a facility to identify each of its production process types and to provide the information described below for each. Once you have identified a production process type, identify each production unit of that production process type. For additional information about adding and editing a production process types and production units, please use the e-GGRT Help link(s) provided. * Denotes a required field

Production Process Type * (dropdown menu)

Amount of Magnesium Produced or Processed for this Production Process Type

PRODUCTION UNITS

Unit Name/Identifier	Unit Type	Delete
No Production Unit has been added		

[ADD a Production Unit](#)
[SAVE](#) [CANCEL](#)

Lastly, identify all associated production units that use cover and carrier gases by clicking "ADD a Production Unit". Please see [Subpart T Production Process Information](#)

Once the production unit information along with the composition of cover/carrier gas mixture information has been entered, the production process information will be complete.

Click image to expand

MLH Production Inc 420 Fort Worth Syncline
Subpart T: Magnesium Production (2011)
Subpart Overview - Add/Edit Production Process

ADD/EDIT PRODUCTION PROCESS
Subpart T requires a facility to identify each of its production process types and to provide the information described below for each. Once you have identified a production process type, identify each production unit of that production process type. For additional information about adding and editing a production process types and production units, please use the e-GGRT Help link(s) provided. * Denotes a required field

Production Process Type * (dropdown menu)

Amount of Magnesium Produced or Processed for this Production Process Type

PRODUCTION UNITS

Unit Name/Identifier	Unit Type	Delete
MDC-001	Die Casting Machine	<input checked="" type="checkbox"/>

[ADD a Production Unit](#)
[SAVE](#) [CANCEL](#)

Click "SAVE". e-GGRT will return to the Subpart T overview screen.

Click image to expand

The screenshot shows the EPA e-GGRT interface for Subpart T Magnesium Production (2011) for MLH Production, Inc. The page includes a navigation menu with options like HOME, FACILITY REGISTRATION, FACILITY MANAGEMENT, DATA REPORTING, and HELP DESK. The main content area features an overview of reporting requirements, a table of magnesium production processes, and a section for GHG cover/cARRIER gases. The production processes table shows one entry: 'Die Casting' with a magnesium produced amount of 345,232 metric tons and a status of 'Complete'. The GHG cover section indicates that no cover or carrier gas has been added.

Back to Top

Subpart T Production Process Information

This page provides step-by-step instructions on how to enter and edit Subpart T Production Unit information.

Subpart T requires a facility to identify each of its production process types and to provide the information described below for each. Once you have identified a production process type, identify each production unit of that production process type.

Step 1: Add a production unit

Select ADD a Production Unit

Click image to expand

The screenshot shows the 'ADD EDIT PRODUCTION PROCESS' screen in the EPA e-GGRT interface for Subpart T Magnesium Production (2011) for R H H Environmental. The page includes a navigation menu and a main content area with instructions on how to add or edit production processes. The form contains a dropdown menu for 'Production Process Type' set to 'Primary Production', a text input field for 'Amount of Magnesium Produced or Processed for this Production Process Type' with the value '550' (metric tons), and a section for 'PRODUCTION UNITS' with a table for adding units. The table currently shows 'No Production Unit has been added'.

Step 2: Enter unit information

Enter the unit name, unit description (optional), and select the unit type from the drop down menu

Click image to expand

United States Environmental Protection Agency | e-GGRT Electronic Greenhouse Gas Reporting Tool

HOME | FACILITY REGISTRATION | FACILITY MANAGEMENT | DATA REPORTING

R.H.H Environmental
Subpart T: Magnesium Production (2011)

ADD EDIT PRODUCTION UNIT

UNIT INFORMATION

Production Process Type: Primary Production

Name or Identifier: Unit 1 (40 characters maximum)

Unit Description:

Unit Type: Select

COVER/CARRIER GAS DETAILS

Flow Rate of Cover/Carrier Gas: 1200 (scfm)

COMPOSITION OF COVER/CARRIER GAS MIXTURE

Cover/Carrier Gas Name	Gas Type	Volume Percent	Delete
No Composition of Cover/Carrier Gas Mixture has been added.			

SAVE | CANCEL

Next, enter the flow rate of the cover or carrier gas

Click image to expand

United States Environmental Protection Agency | e-GGRT Electronic Greenhouse Gas Reporting Tool

HOME | FACILITY REGISTRATION | FACILITY MANAGEMENT | DATA REPORTING

R.H.H Environmental
Subpart T: Magnesium Production (2011)

ADD EDIT PRODUCTION UNIT

UNIT INFORMATION

Production Process Type: Primary Production

Name or Identifier: Unit 1 (40 characters maximum)

Unit Description:

Unit Type: Crucible

COVER/CARRIER GAS DETAILS

Flow Rate of Cover/Carrier Gas: 1200 (scfm)

COMPOSITION OF COVER/CARRIER GAS MIXTURE

Cover/Carrier Gas Name	Gas Type	Volume Percent	Delete
No Composition of Cover/Carrier Gas Mixture has been added.			

SAVE | CANCEL

Lastly, enter the composition of cover or carrier gas mixture - cover/carrier gas composition will have to be added. Please see [GHG Composition Information](#)

Once the composition of cover/carrier gas mixture information has been entered, the GHG contained in the cover/carrier gas mixture will be displayed.

Click image to expand

United States Environmental Protection Agency | e-GGRT Electronic Greenhouse Gas Reporting Tool

HOME | FACILITY REGISTRATION | FACILITY MANAGEMENT | DATA REPORTING

R.H.H Environmental
Subpart T: Magnesium Production (2011)

ADD EDIT PRODUCTION UNIT

UNIT INFORMATION

Production Process Type: Primary Production

Name or Identifier: Unit 1 (40 characters maximum)

Unit Description:

Unit Type: Crucible

COVER/CARRIER GAS DETAILS

Flow Rate of Cover/Carrier Gas: 1200 (scfm)

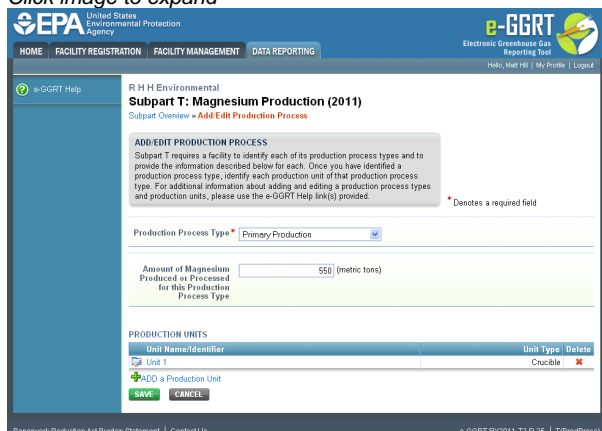
COMPOSITION OF COVER/CARRIER GAS MIXTURE

Cover/Carrier Gas Name	Gas Type	Volume Percent	Delete
Sulfur Hexafluoride	Cover Gas	37	X

SAVE | CANCEL

Select 'SAVE'. e-GGRT returns to the production process information screen.

Click image to expand



Subpart T Validation Report

You can use the Validation Report to assist with the completeness and quality of your reporting data.



You should use the Validation Report to check your work. The Validation Report performs three types of checks:

- Data Completeness: Data that are required for reporting are missing or incomplete.
- Data Quality: Data are outside of the expected range of values.
- Screen Errors: Critical errors which prevent the acceptance of the reported data. Typically these will appear on the upload page.

You may view the Validation Report at any time.

i 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.

The validation notification tile, located near the top-right of the Subpart Overview page for each subpart, indicates whether validation errors are detected by e-GGRT for the active subpart.

Validation Notification Tile	Indicated Status
 Subpart G: No Validation Messages	e-GGRT detects no validation errors
 Subpart G: View Validation	e-GGRT detects missing or invalid data that should be reviewed by the user, and as appropriate, addressed

Click image to expand

To open the **Subpart Validation Report**, from the Subpart Overview page, click the link near the top-right of the screen titled "Subpart: View Validation".

An example of a validation report typical of validation for all reporting forms is presented below. Please note that each validation report include four columns: Validation Type, ID, Details, and Message.

- **Validation Type:** Identifies the type of validation warning including data completeness, data quality, or screen errors as described on the screen snap below. Please note that Screen Errors only appear on the validation report for XML Upload users because, for reporting form users, screen errors prevent reporting form upload and must be correct prior to a successful upload of the reporting form.
- **Validation ID:** Each validation rule has a unique validation id or number. Please note that a single validation ID may be reported for multiple items or rows within your reporting form and includes a letter prefix which corresponds to the subpart.
- **Validation Details:** Identifies the specific item, row, or data element which is generating a validation issue. This columns use varies by subpart but in general it identifies the page or table name as the ID Type, and the specific field or column in which the issue occurred as Data Object Type, the specific data element or table row in which the issue occurred as ID Value. The name of the reporting form file in which the error occurred may also be presented for those subparts or facilities which have uploaded of multiple reporting forms.
- **Validation Message:** Describes the nature of the error or validation issue.

To correct a validation issue, you must correct your reporting form on your local computer and re-upload a corrected version of the reporting form.

Click image to expand

FACILITY VALIDATION MESSAGES

Validation Type ¹	ID ²	Message ³
No facility validation messages found.		

MAGNESIUM PRODUCTION PROCESSES VALIDATION MESSAGES

Validation Type ¹	ID ²	Production Process Type	Unit	Message ³
Data Quality	T103	Primary Production	Unit 1	The total GHG Gas volume percentage you have added does not add up to 100%.

COVER AND CARRIER VALIDATION MESSAGES

Validation Type ¹	ID ²	GHG Gas Name	Message ³
Data Quality	T043	Sulfur Hexafluoride	Annual Cover Gas Usage Rate. The value you have provided is outside the EPA estimated range for this data element. Please double check this value and revise, if necessary. If you believe it to be correct, please submit the value as is.
Data Quality	T042	Sulfur Hexafluoride	Total Annual Emissions resulting from use. The value you have provided is outside the EPA estimated range for this data element. Please double check this value and revise, if necessary. If you believe it to be correct, please submit the value as is.

Subpart Overview

¹ Validation Types: e-GGRT generates a variety of validation types, defined below:

- Screen Error: a data condition that requires correction and would stop the user from saving a particular screen.
- Equation Completeness: missing data (an equation input) that is preventing e-GGRT from calculating a result for a particular equation.
- Data Completeness: missing data (not an equation input) that is required for reporting.
- Data Quality: data is outside of the range of expected values. The value you have provided is outside the EPA estimated range for this data element. Please double check this value and revise, if necessary. If you believe it to be correct, please submit the value as is.
- Invalid Emissions: a calculated emissions value is either negative or outside a reasonable range.

² ID: Each validation message contains a unique identifier. If you contact the e-GGRT Help Desk with a question about a validation message, please include this unique identifier with your request.

³ The absence of a validation message does not indicate that the information provided is without error.

Each validation message has a unique identifier. If you contact the e-GGRT Help Desk with a question about a validation message, please include this unique identifier with your request.

You may view a Print-friendly version of this report by clicking on the link titled Print-friendly version, located on the right side of the Validation Report.

See also

[Screen Errors](#)