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# Subpart D - Electricity Generation

 A printer-friendly version (pdf) (11 pp, 1,423K) of GHG reporting instructions for this subpart

Please select a help topic from the list below:

- Using e-GGRT to Prepare Your Subpart D Report
  - Subpart D Unit Information
  - Subpart D Unit Emissions Information
  - Subpart D Fuel Information
  - Subpart D Fuel Emissions Information
- Carry forward of data from previous submissions into RY2011 forms
- Subpart D Rule Guidance
- Subpart D Rule Language (eCFR)

Additional Resources:

- Part 98 Terms and Definitions
- Frequently Asked Questions (FAQs)
- Webinar Slides

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

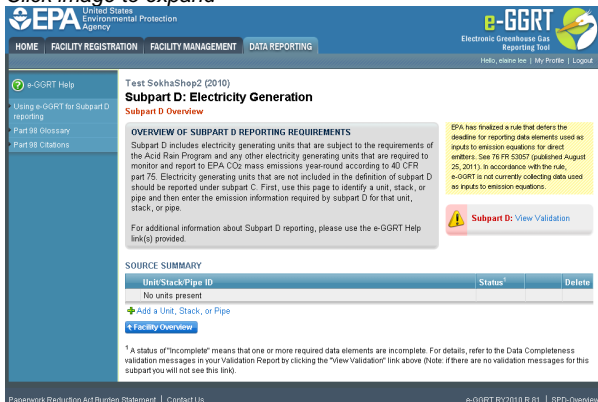
This page provides an overview of subtopics that are central to Subpart D Electricity Generation reporting:

- Unit Information
- Unit Emissions Information
- Fuel Information
- Fuel Emissions Information
- Subpart Validation Report

If you previously reported for Reporting Year (RY) 2010, the Agency has carried some of your RY2010 data forward and entered it in your RY2011 forms to reduce reporting burden. It is still your responsibility to review and assure that all the information in your submission is correct, but the Agency believes that most of the data which 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 into RY2011 forms help content](#).

The end of the page contains links you can use for more information on these topics.

Click image to expand



The screenshot shows the EPA e-GGRT web application interface. The top navigation bar includes 'HOME', 'FACILITY REGISTRATION', 'FACILITY MANAGEMENT', and 'DATA REPORTING'. The main content area is titled 'Subpart D: Electricity Generation' and includes an 'Overview of Subpart D Reporting Requirements' section. A table titled 'SOURCE SUMMARY' shows 'Unit/Stack/Pipe ID' and 'Status' columns, with 'No units present' listed. A 'Subpart D: View Validation' button is visible. The footer contains 'Paperwork Reduction Act/Burden Statement | Contact Us' and 'e-GGRT RY2010 R.01 | EPA-Overseas'.

## Unit Information


For each unit at your facility, subpart D requires the following information:

- A unique unit or stack name or identifier (e.g., a unit ID number) as reported under 75.64 [98.36(d)(1)(i)]
- An optional unit or stack description or label [optional]
- The Part 75 methodology used to determine the CO<sub>2</sub> mass emissions [98.36(d)(1)(v)]
  - CEMS
  - Appendix G, Equation G-1

- Appendix G, Equation G-4
- Low Mass Emissions (LME) (§75.19(c)(4)(iii))
- The methodology start date and end date [98.36(d)(1)(vi)-(vii)]
- An indication of participation in the Acid Rain Program [98.36(d)(1)(viii)]
- Each type of fuel combusted in the configuration during the reporting year ([Table C-2](#) fuels only) [98.36(d)(1)(iii)]

## Unit Emissions Information

For each unit, subpart D requires the facility to provide the following aggregated fuel emissions data:

- The total annual CO<sub>2</sub> emissions at the monitored location in short tons (as reported under part 75) [98.36(d)(1)(ii)]
- The total annual CO<sub>2</sub> emissions at the monitored location in metric tons (conversion from the short ton value reported under part 75) [98.36(d)(1)(ii)]
- The total annual biogenic CO<sub>2</sub> emissions. This includes both CO<sub>2</sub> emissions from the combustion of biomass fuels and the biogenic portion of CO<sub>2</sub> emissions from fuels with a mixed biogenic and fossil component [98.36(d)(1)(ix)]
  - Report zero for this value if the facility elects to use the option specified in 98.3(c)(12) for the 2010 reporting year (where the facility chooses not to separately report biogenic emissions from part 75 units)  Revision is needed for RY2011.

For each unit for which the facility selects "**CEMS**" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, subpart D requires the facility to provide the following additional information [98.3(c)(8)]:

- The total number of operating hours during the year that CO<sub>2</sub> concentration was missing
- The total number of operating hours during the year that stack gas flow rate was missing
- The total number of operating hours during the year that moisture content was missing (only if a continuous moisture monitor was in use)

For each unit for which the facility selects "**Appendix G, Equation G-4**" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, subpart D requires the facility to provide the following additional information [98.3(c)(8)]:

- The total number of operating hours during the year that fuel flow rate was missing
- The total number of operating hours during the year that high heating value was missing

For each unit for which the facility selects "**Appendix G, Equation G-1**" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, subpart D requires the facility to provide the following additional information [98.3(c)(8)]:

- The total number of operating hours during the year that fuel carbon content was missing

For each unit for which the facility selects "**LME calculation methods in 40 CFR 75 19**" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, no additional information is required.

## Fuel Information

For each unit, subpart D requires the facility to name each type of fuel combusted in the configuration during the reporting year (for [Table C-2](#) fuels only) [98.36(d)(1)(iii)].

## Fuel Emissions Information

For each fuel type combusted in each unit, subpart D requires the facility to provide the following:

- The total annual CH<sub>4</sub> combustion emissions derived from Equation C-10 expressed as CO<sub>2</sub> equivalent (CO<sub>2</sub>e) – this reporting element is only required for fuels listed in [Table C-2](#) [98.36(d)(1)(iii)]
- The total annual N<sub>2</sub>O combustion emissions derived from Equation C-10 expressed as CO<sub>2</sub> equivalent (CO<sub>2</sub>e) – this reporting element is only required for fuels listed in [Table C-2](#) [98.36(d)(1)(iii)]

## Subpart 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 two 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.

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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## See Also

[Screen Errors](#)

[Subpart D Unit Information](#)

[Subpart D Unit Emissions Information](#)

[Subpart D Fuel Information](#)

[Subpart D Fuel Emissions Information](#)

[Subpart Validation Report](#)

## Subpart D Unit Information

This topic provides a step-by-step description of how to enter subpart D Electricity Generation unit information for this facility.

### Adding or Updating Unit Information for this Facility

[Click image to expand](#)

Starting on the Subpart D Overview screen, click the link titled "ADD a Unit or Group" below the UNIT-LEVEL SUMMARY table.

[Click image to expand](#)

For each unit at your facility, subpart D requires the following information:

- A unique unit or stack name or identifier (e.g., a unit ID number) as reported under 75.64 [98.36(d)(1)(i)]
- An optional unit or stack description or label [optional]
- The Part 75 methodology used to determine the CO<sub>2</sub> mass emissions [98.36(d)(1)(v)]
  - CEMS
  - Appendix G, Equation G-1
  - Appendix G, Equation G-4
  - Low Mass Emissions (LME) (§75.19(c)(4)(iii))
- The methodology start date and end date [98.36(d)(1)(vi)-(vii)]
- An indication of participation in the Acid Rain Program [98.36(d)(1)(viii)]
- Each type of fuel combusted in the configuration during the reporting year (Table C-2 fuels only) [98.36(d)(1)(iii)]

Use the text boxes, drop-down menu and, radio buttons to enter the required information.

When finished, click NEXT.

Once you have entered the required unit information for all units at your facility, you will have finished entering the required unit information for your facility.

[Back to Top](#)

## See Also

- [Screen Errors](#)
- [Using e-GGRT to Prepare Your Subpart D Report](#)
- [Subpart D Unit Emissions Information](#)
- [Subpart D Fuel Information](#)
- [Subpart D Fuel Emissions Information](#)
- [Subpart Validation Report](#)

## Subpart D Unit Emissions Information

The text below describes how to enter subpart D Electricity Generation emissions information for each unit at your facility. The process to edit an existing unit is essentially similar.

### Adding or Updating Unit Emissions Information

*Click image to expand*

The screenshot shows the EPA e-GGRT interface for 'Subpart D: Electricity Generation'. The page title is 'Test SokhaShop2 (2010) Subpart D: Electricity Generation'. It includes a navigation menu with 'HOME', 'FACILITY REGISTRATION', 'FACILITY MANAGEMENT', and 'DATA REPORTING'. The main content area is titled 'Subpart D Overview' and contains an 'OVERVIEW OF SUBPART D REPORTING REQUIREMENTS' section. This section explains that Subpart D includes electricity generating units subject to the Acid Rain Program and other requirements. A 'SOURCE SUMMARY' table is shown with the following data:

Unit/Stack/Pipe ID	Status*	Delete
No units present		

Below the table, there are links for 'Add a Unit, Stack, or Pipe' and 'Facility Overview'. A footer note explains that a status of 'incomplete' means that one or more required data elements are incomplete.

Starting on the Subpart D Overview page, find the unit for which you would like to enter emissions information in the SOURCE SUMMARY table and click OPEN.

*Click image to expand*

**Facility ABC (2010)**  
**Subpart D: Electricity Generation**  
 Subpart D Overview • Unit AA • [Unit Stack/Pipe Overview](#)

**ELECTRICITY GENERATING UNIT, STACK, OR PIPE SUMMARY**  
 For each unit, stack, or pipe, Subpart D requires the reporting of aggregate emissions data for the unit, stack, or pipe. Subpart D also requires the reporting of CH<sub>4</sub> and N<sub>2</sub>O mass emissions for each fuel type listed in Table C-2 that was combusted in the unit(s) during the reporting year.  
 From this page, open the Unit, Stack, or Pipe Emissions Information page to report aggregate emissions information. Also from this page, the user should identify the fuels combusted in which CH<sub>4</sub> and N<sub>2</sub>O emissions were calculated according to 40 CFR 98.33(c)(4).  
 For additional information about Subpart D reporting, please use the e-GGRT Help link(s) provided.

**UNIT/STACK/PIPE INFORMATION**

Unit/Stack/Pipe ID	Unit
AA	AA

Part 75 CO<sub>2</sub> Methodology: CEMS  
 Calculation Methodology Period: 01/01/2010 - 12/31/2010

[Edit the Information for this Unit/Stack/Pipe](#)

**UNIT/STACK/PIPE EMISSIONS INFORMATION**

Total CO <sub>2</sub> emissions (short tons)	Total CO <sub>2</sub> emissions (metric tons)	Total Biogenic CO <sub>2</sub> emissions (metric tons)	Status <sup>1</sup>
22,046.0	22,000.0	1,900.0	Complete <a href="#">OPEN</a>

**FUEL-SPECIFIC CH<sub>4</sub> AND N<sub>2</sub>O EMISSIONS INFORMATION**

Fuel	Status <sup>1</sup>	Delete
No fuels present		

[ADD a Fuel](#)

[Subpart D Overview](#)

<sup>1</sup> A status of "incomplete" means that one or more required data elements are incomplete. For details, refer to the Data Completeness validation messages in your Validation Report by clicking the "View Validation" link on the overview page. (Note: if there are no validation messages for this subpart you will not see this link.)

To edit the configuration information for this unit or group, click the "Edit this Unit or Group Information link above the UNIT/STACK/PIPE EMISSIONS INFORMATION table.

Click image to expand

**Electric Generation Company 1 (2010)**  
**Subpart D: Electricity Generation**  
 Subpart D Overview • [Add/Edit Unit Stack/Pipe](#)

**ELECTRICITY GENERATING UNIT, STACK, OR PIPE INFORMATION**  
 Use this page to uniquely identify and define electricity generating units. Subpart D units must use the same identification number that represents the monitored location (i.e. unit, stack, or pipe) as is reported under §75.64.  
 For additional information about adding and editing a subpart D unit, stack, or pipe please use the e-GGRT Help link(s) provided.

**UNIT/STACK/PIPE INFORMATION**

Unit, stack or pipe ID \*  (40 characters maximum)  
numbers as reported under §75.64

Unit Description (Optional)

**CO<sub>2</sub> METHODOLOGY INFORMATION**

Part 75 Methodology used\*  to calculate CO<sub>2</sub> emissions

Calculation Methodology \*  Start Date  
Enter the date for which this calculation methodology was first used to comply with Part 98. If this methodology was in use prior to January 1, 2010 select January 1, 2010 as the start date. If the facility switched to this methodology during 2010, enter the date on which the methodology change occurred.

Calculation Methodology \*  End Date  
If no change in calculation methodology occurred during 2010, select December 31, 2010 as the end date. If a change in calculation methodology occurred, enter the date on which this methodology was last used.

**ACID RAIN PROGRAM INFORMATION**

Is this unit/stack/pipe in the Acid Rain Program?  Yes  No

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

Use the text boxes, drop-down menu, and radio buttons to update the entered information.

When finished, click SAVE.

Click image to expand

The screenshot shows the EPA e-GGRT interface for Facility ABC (2010), Subpart D: Electricity Generation. The main content area includes:

- ELECTRICITY GENERATING UNIT, STACK, OR PIPE SUMMARY:** A text box explaining that for each unit, stack, or pipe, Subpart D requires reporting of aggregate emissions data for the unit, stack, or pipe. It also requires reporting of CH<sub>4</sub> and N<sub>2</sub>O mass emissions for each fuel type listed in Table C-2 that was combusted in the unit(s) during the reporting year. It instructs users to open the Unit, Stack, or Pipe Emissions Information page to report aggregate emissions information and to identify the fuels combusted in which CH<sub>4</sub> and N<sub>2</sub>O emissions were calculated according to 40 CFR 98.33(c)(4). It also provides a link to e-GGRT Help for additional information.
- UNIT/STACK/PIPE INFORMATION:** A table with columns for Unit/Stack/Pipe ID (Unit AA), Description, Part 75 CO<sub>2</sub> Methodology (CEMS), and Calculation Methodology Period (01/01/2010 - 12/31/2010). Below the table is a link to 'Edit the Information for this Unit/Stack/Pipe'.
- UNIT/STACK/PIPE EMISSIONS INFORMATION:** A table with columns for Total CO<sub>2</sub> emissions (short tons), Total CO<sub>2</sub> emissions (metric tons), Total Biogenic CO<sub>2</sub> emissions (metric tons), Status, and an OPEN button. The data row shows 22,046.0 short tons, 22,000.0 metric tons, 1,900.0 metric tons, and a status of 'Complete'.
- FUEL-SPECIFIC CH<sub>4</sub> AND N<sub>2</sub>O EMISSIONS INFORMATION:** A table with columns for Fuel, Status, and Delete. The data row shows 'No fuels present'.

At the bottom of the page, there is a footer with 'Paperwork Reduction Act Burden Statement | Contact Us' and 'e-GGRT RY2010 R.01 | SPD-ConfGOverview'.

To enter emissions information for this configuration, find the UNIT/STACK/PIPE EMISSIONS INFORMATION table and click OPEN.

The unit emissions data entry screen will vary slightly depending on the Part 75 methodology selected for each unit.

Click image to expand

The screenshot shows the EPA e-GGRT interface for Facility ABC (2011), Subpart D: Electricity Generation (2011). The main content area includes:

- ELECTRICITY GENERATING UNIT, STACK, OR PIPE EMISSIONS:** A text box explaining that this page is used to enter annual greenhouse gas emissions information for this unit, stack, or pipe. It provides a link to e-GGRT Help for additional information.
- UNIT/STACK/PIPE INFORMATION:** A table with columns for Unit/Stack/Pipe ID (Unit 4), Description, Part 75 CO<sub>2</sub> Methodology (Appendix G, Equation G-1), and Calculation Methodology Period (01/01/2011 - 12/31/2011).
- TOTAL ANNUAL CO<sub>2</sub> MASS EMISSIONS:** Input fields for Annual CO<sub>2</sub> emissions including biomass (report emissions exactly as reported under Part 75) in short tons, Annual CO<sub>2</sub> emissions including biomass in metric tons, and Total biogenic CO<sub>2</sub> mass emissions in metric tons.
- MISSING DATA INFORMATION:** An input field for Total number of source operating hours in the reporting year that fuel carbon content was missing.

At the bottom of the page, there is a footer with 'Paperwork Reduction Act Burden Statement | Contact Us' and 'e-GGRT RY2011 R.12 | SPD-ConfG.Emissions'.

For each unit, subpart D requires the facility to provide the following aggregated fuel emissions data:

- The total annual CO<sub>2</sub> emissions at the monitored location in short tons (as reported under part 75) [98.36(d)(1)(ii)]
- The total annual CO<sub>2</sub> emissions at the monitored location in metric tons (conversion from the short ton value reported under part 75) [98.36(d)(1)(ii)]
- The total annual biogenic CO<sub>2</sub> emissions. This includes both CO<sub>2</sub> emissions from the combustion of biomass fuels and the biogenic portion of CO<sub>2</sub> emissions from fuels with a mixed biogenic and fossil component [98.36(d)(1)(ix)]
  - Report zero for this value if the facility elects to use the option specified in 98.3(c)(12) for the 2010 reporting year (where the facility chooses not to separately report biogenic emissions from part 75 units) Revision is needed for RY2011.

For each unit for which the facility selects "CEMS" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, subpart D requires the facility to provide the following additional information [98.3(c)(8)]:

- The total number of operating hours during the year that CO<sub>2</sub> concentration was missing
- The total number of operating hours during the year that stack gas flow rate was missing
- The total number of operating hours during the year that moisture content was missing (only if a continuous moisture monitor was in use)

For each unit for which the facility selects "**Appendix G, Equation G-4**" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, subpart D requires the facility to provide the following additional information [98.3(c)(8)]:

- The total number of operating hours during the year that fuel flow rate was missing
- The total number of operating hours during the year that high heating value was missing

For each unit for which the facility selects "**Appendix G, Equation G-1**" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, subpart D requires the facility to provide the following additional information [98.3(c)(8)]:

- The total number of operating hours during the year that fuel carbon content was missing

For each unit for which the facility selects "**LME calculation methods in 40 CFR 75.19**" as the Part 75 methodology used to determine CO<sub>2</sub> mass emissions, no additional information is required.

Use the text boxes to enter the required information.

When finished, click SAVE.

Once you have entered the required unit emissions information for all units and groups at your facility, you will have finished entering the required unit emissions information for your facility.

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## See Also

### Screen Errors

[Using e-GGRT to Prepare Your Subpart D Report](#)

[Subpart D Unit Information](#)

[Subpart D Fuel Information](#)

[Subpart D Fuel Emissions Information](#)

[Subpart Validation Report](#)

## Subpart D Fuel Information

The text below describes how to enter subpart D Electricity Generation fuel information for each unit at your facility. The process to edit fuel information for an existing unit is essentially similar.

### Adding or Updating Fuel Information for Each Unit

*Click image to expand*

United States Environmental Protection Agency

e-GGRT Electronic Greenhouse Gas Reporting Tool

HOME FACILITY REGISTRATION FACILITY MANAGEMENT DATA REPORTING

Test SakhaSheep2 (2010)

### Subpart D: Electricity Generation

**Subpart D Overview**

**OVERVIEW OF SUBPART D REPORTING REQUIREMENTS**  
Subpart D includes electricity generating units that are subject to the requirements of the Acid Rain Program and any other electricity generating units that are required to monitor and report to EPA CO<sub>2</sub> mass emissions year-round according to 40 CFR part 75. Electricity generating units that are not included in the definition of subpart D should be reported under subpart C. First, use this page to identify a unit, stack, or pipe and then enter the emission information required by subpart D for that unit, stack, or pipe.

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 26, 2011) in accordance with the rule, e-GGRT is not currently collecting data used as inputs to emission equations.

**Subpart D: View Validation**

For additional information about Subpart D reporting, please use the e-GGRT Help link(s) provided.

**SOURCE SUMMARY**

Unit/Stack/Pipe ID	Status*	Delete
No units present		

[Add a Unit, Stack, or Pipe](#)

[Facility Overview](#)

\* A status of "incomplete" means that one or more required data elements are incomplete. For details, refer to the Data Completeness validation messages in your Validation Report by clicking the "View Validation" link above (Note: if there are no validation messages for this subpart you will not see this link).

Paperwork Reduction Act/Burden Statement | Contact Us

e-GGRT RV2010.R.01 | SPD-Overview

Starting on the Subpart D Overview page, find the configuration type for which you would like to enter emissions information in the UNIT-LEVEL SUMMARY table and click OPEN.

*Click image to expand*



**Facility ABC (2010)**  
**Subpart D: Electricity Generation**  
 Subpart D Overview • Unit AA • [Unit Stack/Pipe Overview](#)

**ELECTRICITY GENERATING UNIT, STACK, OR PIPE SUMMARY**  
 For each unit, stack, or pipe, Subpart D requires the reporting of aggregate emissions data for the unit, stack, or pipe. Subpart D also requires the reporting of CH<sub>4</sub> and N<sub>2</sub>O mass emissions for each fuel type listed in Table C-2 that was combusted in the unit(s) during the reporting year.  
 From this page, open the Unit, Stack, or Pipe Emissions Information page to report aggregate emissions information. Also from this page, the user should identify the fuels combusted in which CH<sub>4</sub> and N<sub>2</sub>O emissions were calculated according to 40 CFR 98.33(c)(4).  
 For additional information about Subpart D reporting, please use the e-GGRT Help link(s) provided.

**UNIT/STACK/PIPE INFORMATION**

Unit/Stack/Pipe ID	Unit
AA	AA
Description	
Part 75 CO <sub>2</sub> Methodology	CEMS
Calculation Methodology	01/01/2010 - 12/31/2010
Period	

[Edit the information for this Unit/Stack/Pipe](#)

**UNIT/STACK/PIPE EMISSIONS INFORMATION**

Total CO <sub>2</sub> emissions (short tons)	Total CO <sub>2</sub> emissions (metric tons)	Total Biogenic CO <sub>2</sub> emissions (metric tons)	Status <sup>1</sup>
22,046.0	22,000.0	1,900.0	Complete

**FUEL-SPECIFIC CH<sub>4</sub> AND N<sub>2</sub>O EMISSIONS INFORMATION**

Fuel	Status <sup>1</sup>	Delete
No fuels present		

[ADD a Fuel](#)

[Subpart D Overview](#)

<sup>1</sup> A status of "incomplete" means that one or more required data elements are incomplete. For details, refer to the Data Completeness validation messages in your Validation Report by clicking the "View Validation" link on the overview page. (Note: if there are no validation messages for this subpart you will not see this link.)

To add a fuel type for this configuration, click the "ADD a Fuel" link below the FUEL EMISSIONS INFORMATION table.

Click image to expand

**Electric Generation Company 1 (2010)**  
**Subpart D: Electricity Generation**  
 Subpart D Overview • [Add a Fuel](#)

**ADD A FUEL**  
 Use this page to select a fuel combusted in this unit, stack, or pipe. Facilities are only required to identify the fuels in which CH<sub>4</sub> and N<sub>2</sub>O emissions are calculated as required under 40 CFR 98.33(c)(4). If the fuel you wish to add is not on the list, click "ADD an Other Fuel or Blend" to add a new fuel type.  
 For additional information about reporting fuel information, please use the e-GGRT Help link(s) provided.

**COAL AND COKE** [HIDE](#)

- Mixed (Electric Power sector)
- Mixed (Industrial sector)
- Mixed (Industrial coking)
- Mixed (Commercial sector)
- Coke
- Lignite
- Subbituminous
- Bituminous
- Anthracite

**NATURAL GAS** [HIDE](#)

- Natural Gas (Weighted U.S. Average)

If a fuel is not found among those listed, you can add it to the other fuels and blends list below.

**OTHER FUELS AND BLENDS** [HIDE](#)

- Other-liquid - Other (liquid) ✖

[ADD an Other Fuel or Blend](#)

**PETROLEUM PRODUCTS** [HIDE](#)

- Ethylene
- Isobutane
- Isobutylene
- Butane
- Butylene
- Naphtha (<401 deg F)
- Natural Gasoline
- Other Oil (>401 deg F)
- Pentanes Plus
- Ethane
- Propylene
- Liquefied petroleum gases (LPG)
- Kerosene
- Used Oil
- Residual Fuel Oil No. 6
- Residual Fuel Oil No. 5
- Distillate Fuel Oil No. 4
- Distillate Fuel Oil No. 2
- Distillate Fuel Oil No. 1
- Petrochemical Feedstocks
- Ethanol (100%)
- Propane
- Crude Oil
- Asphalt and Road Oil
- Kerosene-Type Jet Fuel
- Aviation Gasoline
- Motor Gasoline
- Lubricants
- Heavy Gas Oils
- Unfinished Oils
- Special Naphtha
- Petroleum Coke

**OTHER FUELS - SOLID** [SHOW](#)

**OTHER FUELS - GASEOUS** [SHOW](#)

**BIOMASS FUELS - SOLID** [SHOW](#)

**BIOMASS FUELS - GASEOUS** [SHOW](#)

**BIOMASS FUELS - LIQUID** [SHOW](#)

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

For each unit, subpart D requires the facility to name each type of fuel combusted in the configuration during the reporting year (for Table C-2 fuels only) [98.36(d)(1)(iii)].

Use the radio buttons to select a fuel type for this unit.

When finished, click SAVE.

Once you have entered the required fuel information for all units at your facility, you will have finished entering the required fuel information for your facility.

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## See Also

[Screen Errors](#)

[Using e-GGRT to Prepare Your Subpart D Report](#)

[Subpart D Unit Information](#)

[Subpart D Unit Emissions Information](#)

[Subpart D Fuel Emissions Information](#)

[Subpart Validation Report](#)

# Subpart D Fuel Emissions Information

The text below describes how to enter subpart D Electricity Generation fuel emissions information for each unit at your facility. The process to edit fuel emissions information for an existing unit is essentially similar.

## Adding or Updating Fuel Emissions Information for Each Unit

[Click image to expand](#)

**Test SokhaShop2 (2010)**  
**Subpart D: Electricity Generation**  
**Subpart D Overview**

**OVERVIEW OF SUBPART D REPORTING REQUIREMENTS**  
Subpart D includes electricity generating units that are subject to the requirements of the Acid Rain Program and any other electricity generating units that are required to monitor and report to EPA CO<sub>2</sub> mass emissions year-round according to 40 CFR part 75. Electricity generating units that are not included in the definition of subpart D should be reported under subpart C. First, use this page to identify a unit, stack, or pipe and then enter the emission information required by subpart D for that unit.

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 53027 (published August 26, 2011) in accordance with the rule, e-GGRT is not currently collecting data used as inputs to emission equations.

**SOURCE SUMMARY**

Unit/Stack/Pipe ID	Status <sup>1</sup>	Delete
No units present		

[Add a Unit, Stack, or Pipe](#)  
[Facility Overview](#)

<sup>1</sup> A status of "incomplete" means that one or more required data elements are incomplete. For details, refer to the Data Completeness validation messages in your Validation Report by clicking the "View Validation" link above. (Note: if there are no validation messages for this subpart you will not see this link).

Starting on the Subpart D Overview page, find the configuration type for which you would like to enter emissions information in the UNIT-LEVEL SUMMARY table and click GO.

[Click image to expand](#)

**Facility ABC (2010)**  
**Subpart D: Electricity Generation**  
**Subpart D Overview** • [Unit AA](#) • [Unit/Stack/Pipe Overview](#)

**ELECTRICITY GENERATING UNIT, STACK, OR PIPE SUMMARY**  
For each unit, stack, or pipe, Subpart D requires the reporting of aggregate emissions data for the unit, stack, or pipe. Subpart D also requires the reporting of CH<sub>4</sub> and N<sub>2</sub>O mass emissions for each fuel type listed in Table C-2 that was combusted in the unit(s) during the reporting year.

From this page, open the Unit, Stack, or Pipe Emissions Information page to report aggregate emissions information. Also from this page, the user should identify the fuels combusted in which CH<sub>4</sub> and N<sub>2</sub>O emissions were calculated according to 40 CFR 98.33(c)(4).

For additional information about Subpart D reporting, please use the e-GGRT Help link(s) provided.

**UNIT/STACK/PIPE INFORMATION**

Unit/Stack/Pipe ID	Unit AA
Description	
Part 75 CO <sub>2</sub> Methodology	CEMS
Calculation Methodology	01/01/2010 - 12/31/2010
Period	

[Edit the information for this Unit/Stack/Pipe](#)

**UNIT/STACK/PIPE EMISSIONS INFORMATION**

Total CO <sub>2</sub> emissions (short tons)	Total CO <sub>2</sub> emissions (metric tons)	Total Biogenic CO <sub>2</sub> emissions (metric tons)	Status <sup>1</sup>
22,046.0	22,000.0	1,900.0	Complete <a href="#">OPEN</a>

**FUEL SPECIFIC CH<sub>4</sub> AND N<sub>2</sub>O EMISSIONS INFORMATION**

Fuel	Status <sup>1</sup>	Delete
No fuels present		

[Add a Fuel](#)  
[Subpart D Overview](#)

<sup>1</sup> A status of "incomplete" means that one or more required data elements are incomplete. For details, refer to the Data Completeness validation messages in your Validation Report by clicking the "View Validation" link on the overview page. (Note: if there are no validation messages for this subpart you will not see this link).

To enter emissions data by fuel type, find the fuel type for which you would like to enter fuel emissions data in the FUEL EMISSIONS INFORMATION table and click GO.

[Click image to expand](#)

United States Environmental Protection Agency

e-GGRT Electronic Greenhouse Gas Reporting Tool

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e-GGRT Help

Using e-GGRT for Subpart D Reporting

Electric Generation Company 1 (2010)

**Subpart D: Electricity Generation**

Subpart D Overview • Unit 1 • Distillate Fuel Oil No. 2 • **Fuel-Specific CH<sub>4</sub> N<sub>2</sub>O Emissions**

**FUEL-SPECIFIC CH<sub>4</sub> AND N<sub>2</sub>O EMISSIONS**

Use this page to enter the annual CH<sub>4</sub> and N<sub>2</sub>O emissions information for this fuel. For additional information about the data collected on this page, please use the e-GGRT Help link(s) provided.

UNIT/STACK/PIPE INFORMATION

Unit/Stack/Pipe ID	Unit 1
Description	
Part 75 CO <sub>2</sub> Methodology	CEMS
Calculation Methodology Period	01/01/2010 - 12/31/2010
Fuel	Distillate Fuel Oil No. 2

CO<sub>2</sub> EQUIVALENT EMISSIONS

CO<sub>2</sub> equivalent value for Annual CH<sub>4</sub> emissions  (metric tons)  
[Use Equation C-10 spreadsheet to calculate](#)

CO<sub>2</sub> equivalent value for Annual N<sub>2</sub>O emissions  (metric tons)  
[Use Equation C-10 spreadsheet to calculate](#)

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e-GGRT v/2010.R.44 | SPD-FuelEmissions

Use the red-bordered text boxes to enter the required emissions information.

To calculate the emissions:

- Download the spreadsheet tool by clicking the link below one of the red-bordered text boxes labeled “Use Tier 4 spreadsheet to calculate”
- Fill in the spreadsheet completely using the instructions provided in the tool
- After completing the spreadsheet, copy the values calculated by the spreadsheet to the red-bordered text boxes on this page

For each fuel type combusted in each unit, subpart D requires the facility to provide the following:

- The total annual CH<sub>4</sub> combustion emissions derived from Equation C-10 expressed as CO<sub>2</sub> equivalent (CO<sub>2</sub>e) – this reporting element is only required for fuels listed in [Table C-2 \[98.36\(d\)\(1\)\(iii\)\]](#)
- The total annual N<sub>2</sub>O combustion emissions derived from Equation C-10 expressed as CO<sub>2</sub> equivalent (CO<sub>2</sub>e) – this reporting element is only required for fuels listed in [Table C-2 \[98.36\(d\)\(1\)\(iii\)\]](#)

When finished, click SAVE.

Once you have entered the required fuel emissions information for all units at your facility, you will have finished entering the required fuel emissions information for your facility.

[Back to Top](#)

## See Also

[Screen Errors](#)

[Using e-GGRT to Prepare Your Subpart D Report](#)

[Subpart D Unit Information](#)

[Subpart D Unit Emissions Information](#)

[Subpart D Fuel Information](#)

[Subpart Validation Report](#)