Subpart Q Process Unit Information for Units NOT Monitored by CEMS for RY2014 and Later Years

This page provides step-by-step instructions on how to enter and edit Subpart Q Iron and Steel Production process unit information for units that are NOT monitored by CEMS.

Under Subpart Q, "process unit" types may include any of the following:

- Taconite indurating furnace
- Basic oxygen process furnace
- Non-recovery coke oven battery
- Sinter process
- Electric arc furnace (EAF)
- Decarburization vessel (see note below)
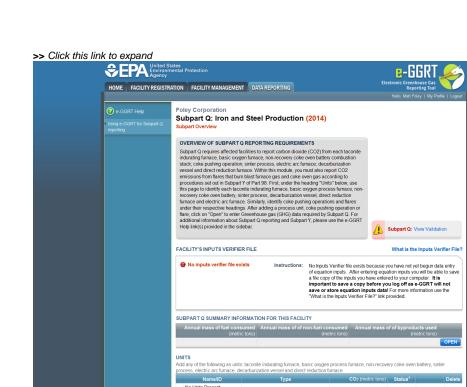- Direct reduction furnace

> ⚠ In 2010, the information required for decarburization vessels applied only to argon-oxygen decarburization vessels. However, for 2011 and subsequent calendar years, the reporting requirements apply to other decarburization vessels used to refine molten steel with the primary intent of removing carbon content of steel including, but not limited to, argon-oxygen decarburization vessels and vacuum oxygen decarburization vessels. This amendment was finalized in October 2010 (75 FR 66434).

Step 1: Add a process unit

To add a process unit that is NOT monitored by a CEMS, find the UNITS table on the Subpart Overview page and click the link titled "ADD a Unit."

To later edit information you have entered to identify a process unit, click the edit icon or the Name/ID link located in the first column of the table.

To delete a process unit, click the delete icon or red "x" located in the last column of the table.

Foley Corporation

Subpart Q: Iron and Steel Production (2014)

Subpart Overview

OVERVIEW OF SUBPART Q REPORTING REQUIREMENTS

Subpart Q requires affected facilities to report carbon dioxide (CO_2) from each taconite indurating furnace, basic oxygen furnace, non-recovery coke oven battery combustion stack; coke pushing operation; sinter process, electric arc furnace; decarburization vessel and direct reduction furnace. Within this module, you must also report CO_2 emissions from flares that burn blast furnace gas and coke oven gas according to procedures set out in Subpart Y of Part 98. First, under the heading "Units" below, use this page to identify each taconite indurating furnace, basic oxygen process furnace, non-recovery coke oven battery, sinter process, decarburization vessel, direct reduction furnace and electric arc furnace. Similarly, identify coke pushing operations and flares under their respective headings. After adding a process unit, coke pushing operation or flare, click on "Open" to enter Greenhouse gas (GHG) data required by Subpart Q. For additional information about Subpart Q reporting and Subpart Y, please use the e-GGRT Help link(s) provided in the sidebar.

⚠ **Subpart Q:** View Validation

FACILITY'S INPUTS VERIFIER FILE

What is the Inputs Verifier File?

🚫 **No inputs verifier file exists**

Instructions: No Inputs Verifier file exists because you have not yet begun data entry of equation inputs. After entering equation inputs you will be able to save a file copy of the inputs you have entered to your computer. **It is important to save a copy before you log off as e-GGRT will not save or store equation inputs data!** For more information use the "What is the Inputs Verifier File?" link provided.

SUBPART Q SUMMARY INFORMATION FOR THIS FACILITY

Annual mass of fuel consumed (metric tons)	Annual mass of of non-fuel consumed (metric tons)	Annual mass of of byproducts used (metric tons)	
			OPEN

UNITS

Add any of the following as units: taconite indurating furnace, basic oxygen process furnace, non-recovery coke oven battery, sinter process, electric arc furnace, decarburization vessel and direct reduction furnace.

Name/ID	Type	CO_2 (metric tons)	Status[1]		Delete
No Units Present					

➕ ADD a Unit

UNIT SUMMARY (Units monitored by CEMS)

Name/ID	Type	Status[1]	Delete
No units have been added			

➕ ADD a CEMS Unit

COKE PUSHING OPERATIONS

Name/ID	Type	CO_2 (metric tons)	Status[1]		Delete

➕ ADD a Coke Pushing Operation

FLARES

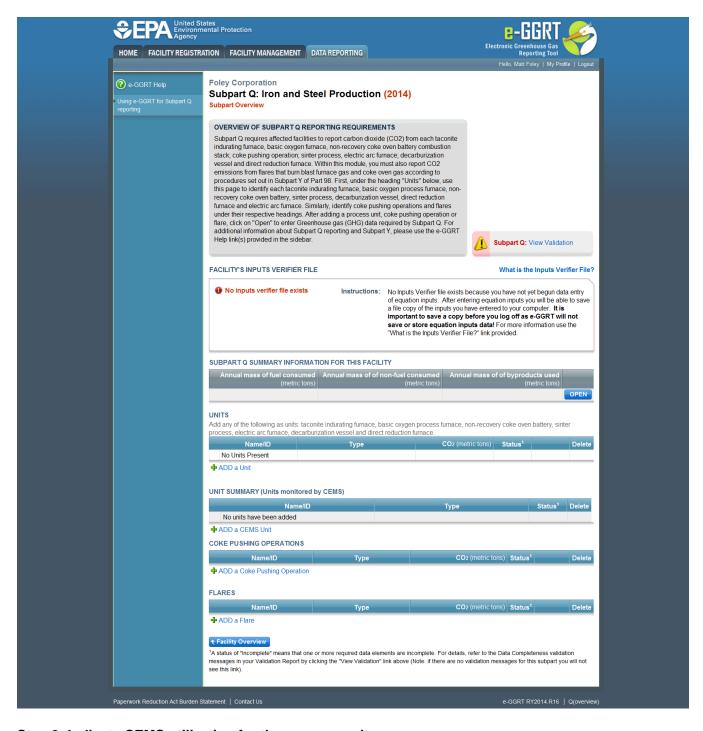| Name/ID	Type	CO_2 (metric tons)	Status[1]		Delete

➕ ADD a Flare

⬆ Facility Overview

[1]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).
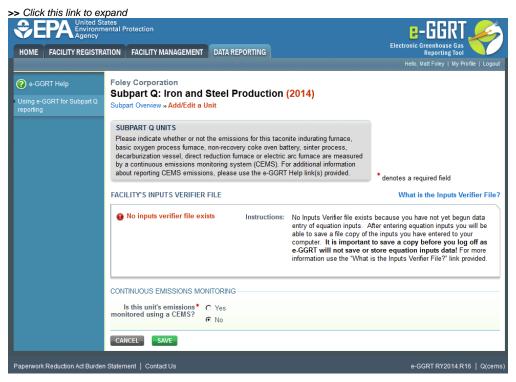
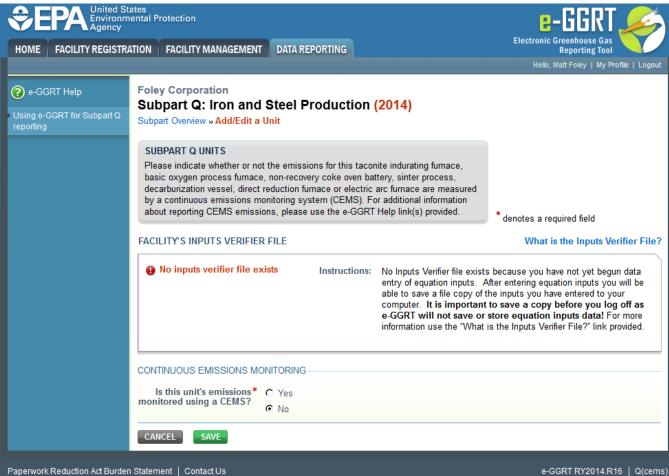## Step 2: Indicate CEMS utilization for the process unit

For each process unit, confirm whether or not the process unit utilizes CEMS.

⚠ Note that when adding a process unit you are prompted to answer the CEMS question immediately (the answer to this question will default to "No" for process unit added using the "ADD a Unit" link and will default to "Yes" for units added using the "ADD a CEMS Unit" link). The CEMS response may be changed here and the process unit information will be relocated to the appropriate table on the Subpart Overview page.
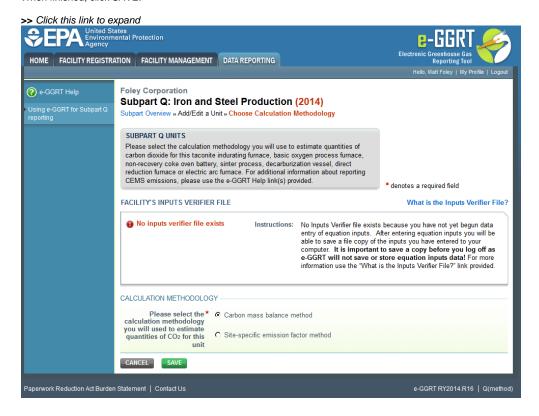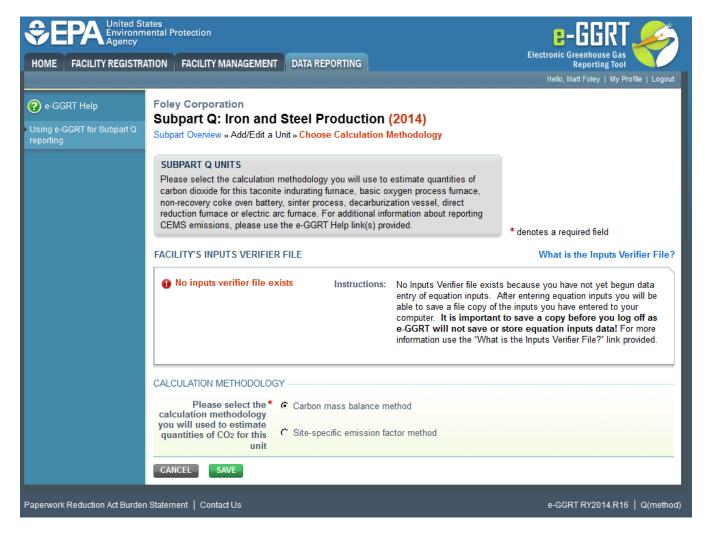
When finished, click SAVE.

Step 3: Select calculation methodology

Use the radio buttons to indicate the calculation methodology used to estimate emissions of CO_2 from this unit (Carbon mass balance method or Site-specific emission factor method)

When finished, click SAVE.

>> *Click this link to expand*

Step 4: Define the process unit

For each process unit, enter the following required information:

- The type of process unit, selected from the following:
  - Taconite indurating furnace
  - Basic oxygen process furnace
  - Non-recovery coke oven battery
  - Sinter process
  - Electric arc furnace (EAF)
  - Decarburization vessel
  - Direct reduction furnace
  - EAF/Decarburization Vessel Exhausting to Common Stack/Vent (applies ONLY if site-specific emission factor method is used to calculate CO_2 emissions)
- A unique name or identifier, plus an optional description for this process unit
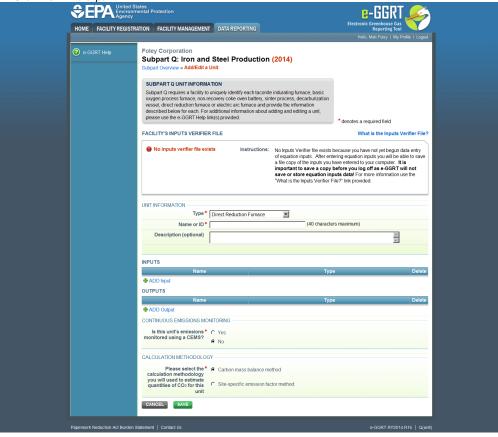
Step 5: Enter required input/output information for the process unit (if applicable)
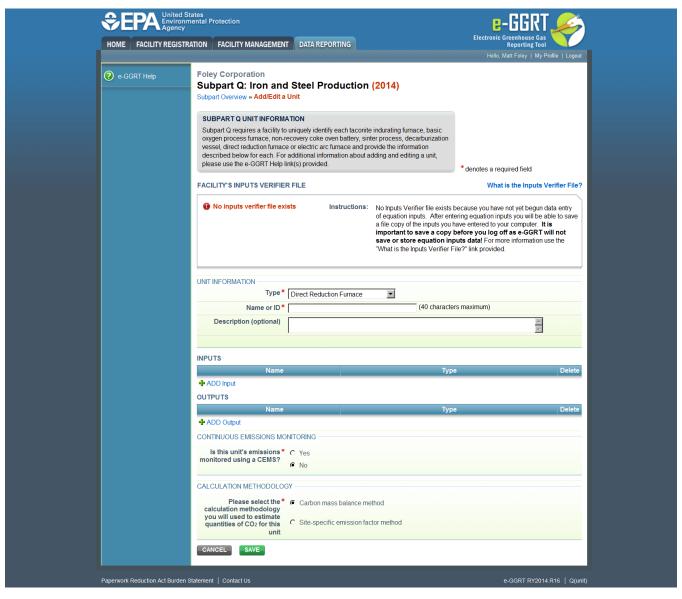
⚠️ Note that this step only applies if the carbon mass balance method is used to estimate CO_2 emissions for this unit. If CO_2 emissions for this unit are estimated using the site-specific emission factor method, you may skip this step and proceed to Step 6.

To add an input or an output, click "Add an Input" or "Add an Output" below each respective table.

United States Environmental Protection Agency

e-GGRT
Electronic Greenhouse Gas Reporting Tool

HOME | FACILITY REGISTRATION | FACILITY MANAGEMENT | **DATA REPORTING**

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Foley Corporation
Subpart Q: Iron and Steel Production (2014)
Subpart Overview » **Add/Edit a Unit**

SUBPART Q UNIT INFORMATION

Subpart Q requires a facility to uniquely identify each taconite indurating furnace, basic oxygen process furnace, non-recovery coke oven battery, sinter process, decarburization vessel, direct reduction furnace or electric arc furnace and provide the information described below for each. For additional information about adding and editing a unit, please use the e-GGRT Help link(s) provided.

* denotes a required field

FACILITY'S INPUTS VERIFIER FILE   **What is the Inputs Verifier File?**

🔴 **No inputs verifier file exists**   **Instructions:**   No Inputs Verifier file exists because you have not yet begun data entry of equation inputs. After entering equation inputs you will be able to save a file copy of the inputs you have entered to your computer. **It is important to save a copy before you log off as e-GGRT will not save or store equation inputs data!** For more information use the "What is the Inputs Verifier File?" link provided.

UNIT INFORMATION

Type *   [Direct Reduction Furnace ▾]

Name or ID *   [   ] (40 characters maximum)

Description (optional)   [   ]

INPUTS

Name	Type	Delete

➕ ADD Input

OUTPUTS

Name	Type	Delete

➕ ADD Output

CONTINUOUS EMISSIONS MONITORING

Is this unit's emissions * monitored using a CEMS?   ○ Yes   ● No

CALCULATION METHODOLOGY

Please select the * calculation methodology you will used to estimate quantities of CO$_2$ for this unit   ● Carbon mass balance method

○ Site-specific emission factor method

[CANCEL] [SAVE]

EPA United States Environmental Protection Agency

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Electronic Greenhouse Gas
Reporting Tool

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? e-GGRT Help

Foley Corporation
Subpart Q: Iron and Steel Production (2014)
Subpart Overview » **Add/Edit a Unit**

SUBPART Q UNIT INFORMATION
Subpart Q requires a facility to uniquely identify each taconite indurating furnace, basic oxygen process furnace, non-recovery coke oven battery, sinter process, decarburization vessel, direct reduction furnace or electric arc furnace and provide the information described below for each. For additional information about adding and editing a unit, please use the e-GGRT Help link(s) provided.

* denotes a required field

FACILITY'S INPUTS VERIFIER FILE   **What is the Inputs Verifier File?**

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UNIT INFORMATION

Type * [Direct Reduction Furnace ▼]

Name or ID * [   ] (40 characters maximum)

Description (optional) [   ]

INPUTS

Name	Type	Delete

➕ ADD Input

OUTPUTS

Name	Type	Delete

➕ ADD Output

CONTINUOUS EMISSIONS MONITORING

Is this unit's emissions * monitored using a CEMS?   ○ Yes   ● No

CALCULATION METHODOLOGY

Please select the * calculation methodology you will used to estimate quantities of CO2 for this unit   ● Carbon mass balance method   ○ Site-specific emission factor method
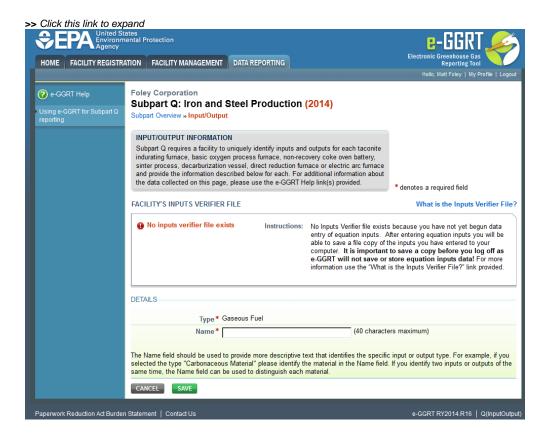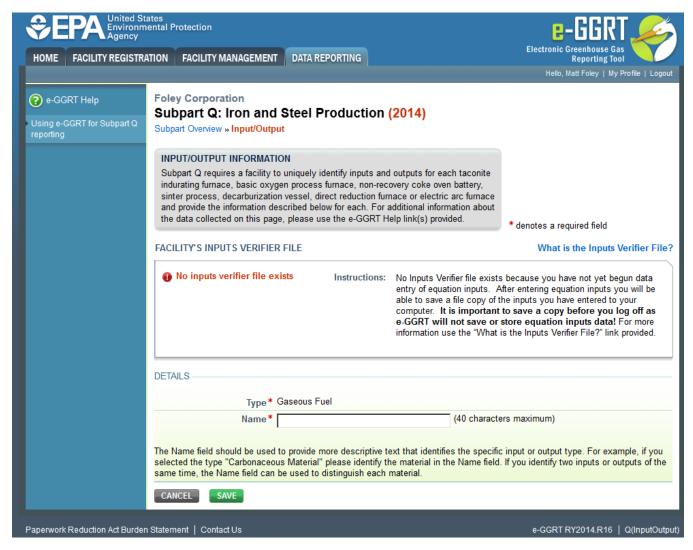
[CANCEL] [SAVE]

For each input or output associated with the process unit, Subpart Q requires you to report the following information:

- A unique name or identifier
- The type of input or output selected from the following list (*Note that the list will be customized in e-GGRT to reflect the key inputs and outputs identified in the rule equations for a given type of process unit*):
    - Input types:
        - Solid Fuel
        - Liquid Fuel
        - Gaseous Fuel
        - Solid Greenball Taconite Pellets
        - Other - Solid
        - Other - Liquid
        - Other - Gas
    - Output types:
        - Solid Fired Pellets Produced
        - Solid Air Pollution Control Residue
        - Other - Solid
        - Other - Liquid
        - Other - Gas

When you are finished entering the required information for an input or output, click SAVE. Note, if you are using the carbon mass balance method, you must identify inputs and outputs associated with each process. If you do not, you will see a data completeness validation message on the Validation report page as a reminder that you have not completed Unit-Level data entry.

>> Click this link to expand

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Subpart Q: Iron and Steel Production (2014)
Subpart Overview » Input/Output

INPUT/OUTPUT INFORMATION
Subpart Q requires a facility to uniquely identify inputs and outputs for each taconite indurating furnace, basic oxygen process furnace, non-recovery coke oven battery, sinter process, decarburization vessel, direct reduction furnace or electric arc furnace and provide the information described below for each. For additional information about the data collected on this page, please use the e-GGRT Help link(s) provided.

* denotes a required field

FACILITY'S INPUTS VERIFIER FILE

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DETAILS

Type * Gaseous Fuel

Name * [   ] (40 characters maximum)

The Name field should be used to provide more descriptive text that identifies the specific input or output type. For example, if you selected the type "Carbonaceous Material" please identify the material in the Name field. If you identify two inputs or outputs of the same time, the Name field can be used to distinguish each material.

[CANCEL] [SAVE]

If you identify two inputs of the same type, the Name field can be used to distinguish each material.

Repeat this step until all inputs and outputs associated with the process unit have been added and defined, then proceed to Step 6.

Step 6: Save all entered information for the process unit

When you are finished entering all required information for the process unit, click SAVE.

Step 7: Repeat Steps 1-6

Repeat Steps 1-6 until all process units NOT monitored by CEMS have been added for your facility.

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See Also

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

- Subpart Q Summary Information for this Facility for RY2014 and Later Years
- Subpart Q Process Unit Information for Units NOT Monitored by CEMS for RY2014 and Later Years
- Subpart Q Process Unit Information for Units Monitored by CEMS for RY2014 and Later Years
- Subpart Q Coke Pushing Operations Information for RY2014 and Later Years
- Subpart Q Flares Information for RY2014 and Later Years
- Subpart Q Emissions Information for Units NOT Monitored by CEMS for RY2014 and Later Years
- Subpart Q Emissions Information for Units Monitored by CEMS for RY2014 and Later Years
- Subpart Q Emissions Information for Coke Pushing Operations for RY2014 and Later Years
- Subpart Q Emissions Information for Flares for RY2014 and Later Years
- Subpart Q Entering Equation Inputs Using IVT

Screen Errors
Subpart Validation Report