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Electronic Greenhouse Gas Reporting Tool (e-GGRT)



**Training Webinar: Overview of RY2014
February, 2015**

Overview

Part 1: General e-GGRT Updates

- Reminders
- Subpart I, L and W Webinars
- Changes to Global Warming Potentials
- Updates for XML Reporters
- Reporting Forms
- Critical Errors

Part 2: Deferred Data and the Inputs Verifier Tool

Part 1: General e-GGRT Updates

Reminders – Key Dates

- **December 31st, 2014:** Reporting Year (RY) 2014 ended
- **January 1st, 2015:** RY2015 began
- **February 16th, 2015:** e-GGRT open for RY2014 data reporting
- **March 31st, 2015:** RY2014 Annual GHG Reports Due

Reminders – User Name and Password

E-GGRT passwords expire every 90 days. You will likely be prompted to reset your password when you log in. Click **USER NAME** if you forgot your user name. Click **PASSWORD** if you forgot your password.

EPA United States Environmental Protection Agency

e-GGRT
Electronic Greenhouse Gas Reporting Tool

e-GGRT Help
Login to e-GGRT

Welcome to EPA's electronic Greenhouse Gas Reporting Tool

About e-GGRT
E-GGRT supports facility and supplier reporting for the [EPA Greenhouse Gas Reporting Program](#). The rule requires electronic reporting of greenhouse gas (GHG) emissions from large sources and suppliers in the United States.
Additional information on [e-GGRT](#).

Warning Notice
EPA's e-GGRT registration is part of a United States Environmental Protection Agency (EPA) computer system, which is for authorized use only. Unauthorized access or use of this computer system may subject violators to criminal, civil, and/or administrative action. All information on this computer system may be monitored, recorded, read, copied, and disclosed by and to authorized personnel for official purposes, including law enforcement. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms.

e-GGRT LOGIN
User Name:
Password:
LOGIN

FORGOT YOUR USER NAME?
FORGOT YOUR PASSWORD? ←

New e-GGRT Users Must Register
New users must complete a one-time registration process. After establishing a user account you can register your facility.
NEW USER REGISTRATION

You are already registered if...
You have a CDX Account
If you have an existing CDX Web account, log in above with your CDX User Name and Password and complete an abbreviated e-GGRT registration process.

EPA Home | Privacy and Security Notice | Contact Us

e-GGRT RY2014.R40 | UA1-

Reminders – Update DR, ADR, and Agents

Make sure that the roles for your facility or supplier are up to date.

Editing Designated Representatives (DRs) and Alternate Designated Representatives (ADRs):

<http://www.ccdsupport.com/confluence/display/help/Changing%20DR%20and%20ADR>

Editing Agents:

<http://www.ccdsupport.com/confluence/display/help/Changing%20Agents>

E-GGRT FACILITY SUMMARY

From this summary page, depending upon your role, you can make changes to the "Facility Profile" information, the facility's representatives Designated Representative (DR) and Alternate Designated Representative (ADR), and to your Agents if you are a DR or ADR.

Facility Representatives		
Designated Representative	Jennifer Bohman	CHANGE
Alternate Designated Representative	none	CHANGE

Facility Profile		
Facility Information	Jen B Test 2 1234 ABC St. Cincinnati OH 45208	EDIT

Certificate of Representation Signed and Complete: No further action is required by the facility representatives.

[Certificate of Representation](#)

Agents (for this facility)

none appointed

[+ Add Agent](#) [✗ Remove selected](#)

 [EPA Correspondence Folder](#)

Reminders - Reporting Status

At the bottom of the Facility or Supplier Overview page, you can notify EPA if you will not be submitting a report next year (RY2015), by selecting the correct box and clicking **SAVE**. You can also see whether EPA expects you to report for RY2014.

SUBMIT ANNUAL REPORT

Report	Uploaded File Name	Status	Submitted Date	Certification Date	
					REPORT SUBMISSION

 **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.

If you have any questions, please contact the hotline at GHGReporting@epa.gov.

NOTIFICATION TO DISCONTINUE REPORTING FOR REPORTING YEAR 2015

If you will discontinue complying with Part 98 after this reporting year for the following reason(s), you are required to notify EPA by checking the appropriate box(es).

- Cessation of operations:** All applicable GHG-emitting processes and operations ceased to operate in the 2014 calendar year.
- Exiting the program after 3 years:** Reported under 15,000 mtCO₂e/year for 3 consecutive years.
- Exiting the program after 5 years:** Reported under 25,000 mtCO₂e/year for 5 consecutive years.

NOT SUBMITTING AN ANNUAL REPORT FOR REPORTING YEAR 2014

EPA expects that this facility or supplier will submit an annual report for Reporting Year 2014.

If this facility or supplier will not submit an annual report for Reporting Year 2014, please [contact the GHGRP Help Desk](#).

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

Subparts I, L and W Webinars

Subpart I – Electronics Manufacturing

- EPA conducted a webinar on the Subpart I webforms on February 12th.
- More information:

http://www.epa.gov/ghgreporting/documents/pdf/2015/documents/subpart_I_webinar02-11-15.pdf

Subpart L – Fluorinated Greenhouse Gas Production

- EPA conducted a webinar on the Subpart L webforms on February 19th.
- More information

http://www.epa.gov/ghgreporting/documents/pdf/2015/documents/webinar02-19-15_subpartL.pdf

Subpart W – Petroleum and Natural Gas Systems

- EPA conducted a webinar on Subpart W reporting for RY14.
- More information:

<http://www.epa.gov/ghgreporting/reporters/training/index.html>

Changes to Global Warming Potentials

- EPA made several changes to the global warming potentials (GWPs) used under the program for RY2014.
 - Added GWPs for fluorinated greenhouse gases (F-GHGs) and fluorinated heat transfer fluids.
 - Added default GWPs for categories of GHGs.
- E-GGRT will automatically apply correct GWP*.
 - For gases that do not have a chemical-specific GWP, e-GGRT will prompt users to assign the gas to the correct default category. E-GGRT will then apply the correct GWP.
- Subparts most likely impacted:
 - Subpart I – Electronics Manufacturing
 - Subpart L – Fluorinated Gas Production
 - Subpart OO – Suppliers of Industrial Greenhouse Gases
 - Subpart QQ – Importers and Exporters of F-GHGs Contained in Pre-Charged Equipment and Foams

*XML reporters responsible for applying correct GWP.

Updates for XML Reporters - Batch Upload

Users who prepare XML based reports for multiple facilities can now upload multiple XML reports at time. Click **ACCESS XML BATCH UPLOAD** to get started. This link will only appear if you report using XML for multiple facilities.

The screenshot shows the EPA e-GGRT web application. The header includes the EPA logo and 'United States Environmental Protection Agency' on the left, and 'e-GGRT Electronic Greenhouse Gas Reporting Tool' with a bird logo on the right. A navigation menu contains 'HOME', 'FACILITY REGISTRATION', 'FACILITY MANAGEMENT', and 'DATA REPORTING'. The user is logged in as 'Hello, Vincent Vega' with links for 'My Profile' and 'Logout'. The main content area is titled 'e-GGRT Greenhouse Gas Data Reporting (2014)' and includes a 'Select Facility' section. A box titled 'ANNUAL GHG DATA REPORTING' provides instructions. A 'REPORTING YEAR' dropdown is set to '2014' with a 'GO' button. A table lists facilities reporting for 2014. A red arrow points to the 'Access XML Batch Upload' link.

e-GGRT Greenhouse Gas Data Reporting (2014)
Select Facility

ANNUAL GHG DATA REPORTING
You must select a facility to begin using any Data Reporting features, which include: Specifying which subparts the facility will be reporting, entering or updating corporate parent information (subpart A), entering GHG data and viewing validation reports, and lastly, preparing and submitting the Annual Report to EPA.

Access XML Batch Upload

REPORTING YEAR
2014

FACILITIES REPORTING for 2014

GHGRP ID	Facility or Supplier	Annual Report Status	Facility Overview
514309	HH-WASTE QUANTITIES/METHOD TEST FACILITY (Fairfax, VA)	Not generated	<input type="button" value="OPEN"/>
515408	Subpart C (McLean, VA)	Not generated	<input type="button" value="OPEN"/>
515409	Subpart D (McLean, VA)	Complete, certified and sent	<input type="button" value="OPEN"/>
515410	Subpart E (McLean, VA)	Not generated	<input type="button" value="OPEN"/>
515411	Subpart F (McLean, VA)	Not generated	<input type="button" value="OPEN"/>
515412	Subpart G (McLean, VA)	Ready for review	<input type="button" value="OPEN"/>

Updates for XML Reporters - Schema

- XML Schema has changed since last year
- Current version of schema (v5.2) available at:
<http://ccdsupport.com/confluence/display/help/XML+Reporting+Instructions>
- XML Schema is Multi-Year
 - Version v5.2 must be used for all RY2014, RY2013, RY2012, RY2011, or RY2010 reporting.
 - Reporters must apply correct GWP for each year
- Some data elements are not applicable to all reporting years (refer to XML Reporting Instructions)

Reporting Forms

- Many reporting forms have changed. Be sure to download the most recent version of the reporting forms:

<http://www.ccdsupport.com/confluence/display/help/Reporting+Form+Instructions>

- The following subparts will no longer use Microsoft XLS based reporting forms, but will report using webforms within the eGGRT application:

Subpart E – Adipic Acid Production

Subpart O – HCFC-22 Production and HFC-23 Destruction

Subpart BB – Silicon Carbide Production

Subpart CC – Soda Ash Manufacturing

See Reporting Instructions for help using new webforms:

<http://www.ccdsupport.com/confluence/display/help/Subpart+Reporting+Instructions>

Critical Errors

EPA has added more checks for “Critical Errors.” You can see if your report has Critical Errors on the Facility or Supplier Overview page.

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](#))

0.0
CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons)

0.0
Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons)

0.0
CO2 equivalent emissions from facility subparts LL-C

[VIEW GHG DATA](#)

The stop sign indicates a Critical Error that must be fixed.

REPORT DATA

2014 Reporting Source or Supplier Category	Validation Messages?	Sub
Subpart A—General Information	None	OPEN
Subpart C—General Stationary Fuel Combustion Sources	Cannot Submit-View Critical Errors 	OPEN

[+](#) ADD or REMOVE Subparts

Critical Errors (continued)

The Validation Report, provided by subpart, will display a stop sign next to critical errors. Click on the text of the validation message to go to the page where you can correct the error.

Subpart C: General Stationary Fuel Combustion (2014)
[Subpart Overview](#) » [Validation Report](#)

SUBPART C VALIDATION REPORT
This report contains a complete set of validation messages for all data required by this Subpart. For additional information about Validation Reports, please use the e-GGRT Help link(s) provided.

[Print-friendly version](#) 

FACILITY-LEVEL VALIDATION MESSAGES

Validation Type ¹	ID ²	Message ³
Data Completeness	C-EU-1 	You have selected Subpart C for reporting, but you have not yet added a configuration.

CONFIGURATION-LEVEL VALIDATION MESSAGES

Validation Type ¹	ID ²	Unit Name	Message ³
No configuration level validation messages.			

FUEL-LEVEL VALIDATION MESSAGES

Validation Type ¹	ID ²	Unit Name	Fuel Name	Message ³
No fuel level validation messages.				

Two red arrows point from the bottom of the page to the stop sign icon in the Facility-Level Validation Messages table and the text of the validation message.

Critical Errors (continued)

If you attempt to submit without correcting Critical Errors, you will see the following error message. Click **VIEW VALIDATION REPORT** to see Critical Errors and to access the pages where the errors can be corrected.

GENERATE REPORT AND VERIFICATION SUMMARY

Generating the Annual Report and its associated Verification Summary may take from 1 to 10 minutes depending upon the volume of data.

Once your facility has generated an Annual Report and Verification Summary, it is still possible to return to the data reporting screens to make changes. Those changes, however, will not be reflected in your Annual Report or Verification Summary until you return to this page and generate the report again using the button below.

GENERATE REPORT AND FINAL VERIFICATION SUMMARY

 **Cannot submit until critical validation errors are corrected**

Your annual report contains the following validation errors that must be corrected before you can successfully generate and submit. Use the CANCEL button to return to the Facility or Supplier Overview page, and then use the "Cannot Submit-View Critical Errors" link for each subpart listed below to review each of the validation messages listed below. When you have corrected all of the following validation errors, return to this page and click GENERATE REPORT to proceed with annual report submission and certification.

Subpart	Critical Validation Error ID(s)	
C	C-EU-1 	View Validation Report



Part 2 – Deferred Data and the Inputs Verifier Tool

Summary of Recent Final Rule

- EPA published "Revisions to Reporting and Recordkeeping Requirements, and Proposed Confidentiality Determinations under the Greenhouse Gas Reporting Program" [79 FR 63750] on October 24, 2014.
- For this rule, EPA evaluated the inputs to emission equations for which the reporting deadline was deferred until March 31, 2015.
- Where EPA identified disclosure concerns, EPA added a requirement that reporters must use an EPA-provided electronic Inputs Verifier Tool (IVT) to calculate GHG data under certain subpart.
 - EPA also changed the format of "inputs to equations" records and lengthening the record retention period from three to five years for all reporters required that use the IVT.
- Where the EPA did NOT identify disclosure concerns with these inputs (and where the data will still be useful), EPA did not make further amendments.
 - For these data, the deferral will expire on March 31, 2015, and facilities must submit the data (ie. deferred data) to EPA. For list of these data, see Table A-7 of Subpart A of Part 98.

Summary of the Inputs Verifier Tool

- The Inputs Verifier Tool (IVT) is deployed within e-GGRT and is used as part of the annual reporting process.
- Reporters enter the inputs to emission equations into IVT.
- IVT uses entered data to calculate the equation results and to conduct electronic verification checks on the entered inputs to emission equations.
- IVT generates a verification summary that informs the EPA about the verification results without specifying the entered inputs to emission equations.
- IVT does not retain the entered inputs to emission equations.
- IVT generates a file listing the inputs to equations entered into IVT, which must be maintained as a record for 5 years.

Subparts Using Inputs Verifier Tool

Subpart C – General Stationary Fuel Combustion

Subpart E – Adipic Acid Production

Subpart F – Aluminum Manufacturing

Subpart G – Ammonia Manufacturing

Subpart H – Cement Production

Subpart K – Ferroalloy Production

Subpart N – Glass Production

Subpart O – HFC-22 Production and HFC-23 Destruction

Subpart P – Hydrogen Production

Subpart Q – Iron and Steel Production

Subpart R – Lead Production

Subpart S – Lime Manufacturing

Subpart U – Miscellaneous Uses of Carbonate

Subpart V – Nitric Acid Production

Subpart X – Petrochemical Production

Subpart Y – Petroleum Refineries

Subpart Z – Phosphoric Acid Production

Subpart AA – Pulp and Paper Manufacturing

Subpart BB – Silicon Carbide Production

Subpart CC – Soda Ash Manufacturing

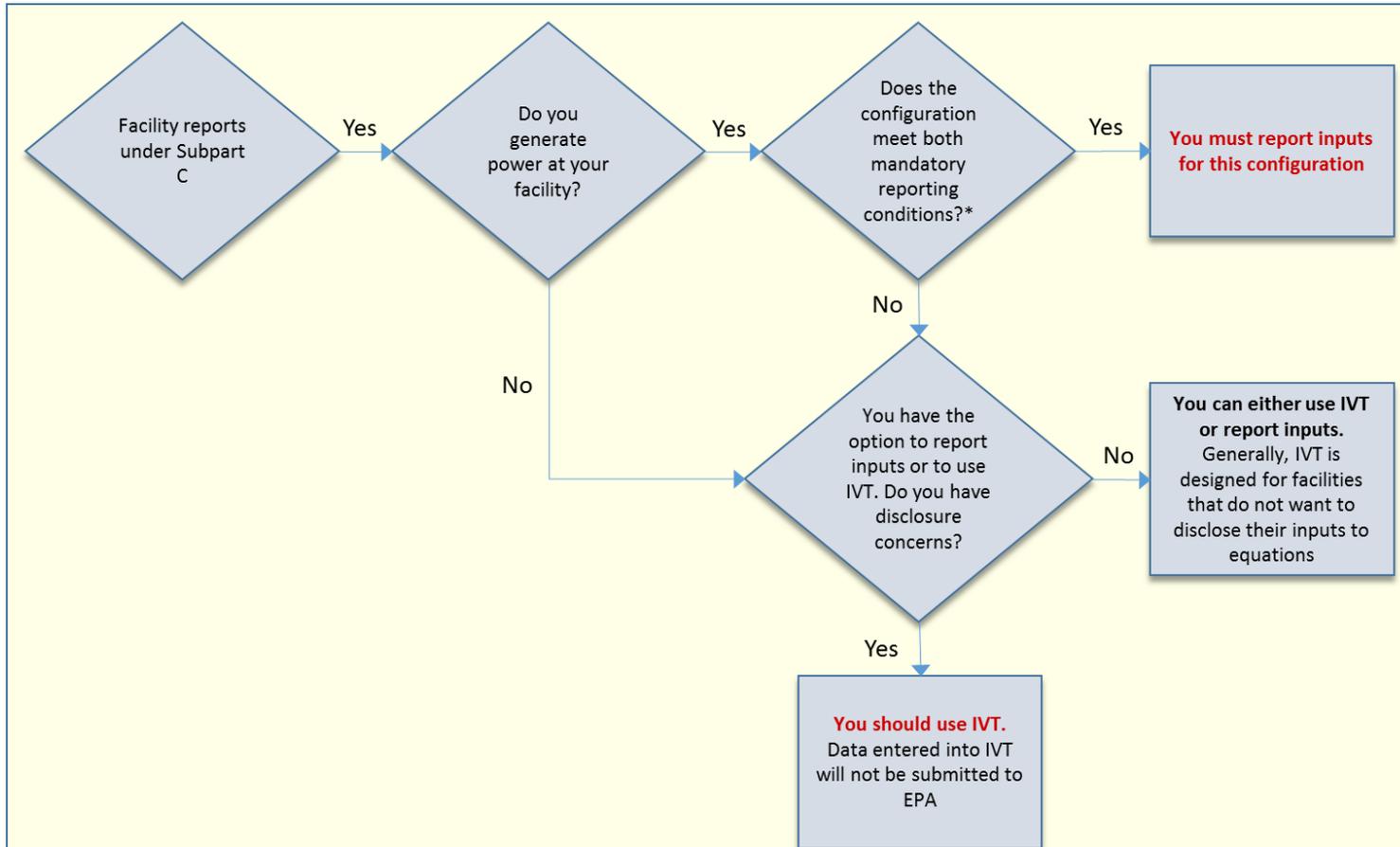
Subpart EE – Titanium Dioxide Production

Subpart GG – Zinc Production

Subpart C and IVT

- For most subparts, the requirement to use IVT is based on the measurement methods used at the facility.
- Certain subpart C reporters have the choice to either use IVT or to report their inputs to equations to the EPA (see next slide).
 - If a subpart C reporter chooses to report their subpart C inputs to equations to EPA, the reporter must waive their right to a confidentiality claim on those inputs.
 - If a subpart C reporter chooses to report their subpart C inputs, they must also report subpart C deferred data for RY 2010-2013 for the configuration.
 - If a subpart C reporter does not meet certain conditions and chooses to use IVT for a configuration, the reporter does not need to report subpart C deferred data for that configuration.
 - More detail is provided at <http://www.ccdsupport.com/confluence/x/QgDVDw>

Subpart C – Do I use IVT?



**Equation inputs must be reported if the following conditions are met:*

1. The source contains at least one combustion unit that is connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D); and
2. The source is located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output.

Using IVT – Subpart S Example

In this example, we have selected Subpart S (Lime Production).

1. On the Facility Overview page, click **OPEN** for Subpart S.

Test Facility 87
e-GGRT Greenhouse Gas Data Reporting (2014)
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, SS, and TT (metric tons) **0.0**

Biogenic CO₂ emissions from facility subparts C-II, SS, and TT (metric tons) **0.0**

CO₂ equivalent emissions from supplier subparts LL-QQ (metric tons) **0.0**
[VIEW GHG DETAILS](#)

REPORT DATA

2014 Reporting Source or Supplier Category	Validation Messages?	Subpart Reporting
Subpart A—General Information	None	OPEN
Subpart S—Lime Production	Cannot Submit-View Critical Errors	OPEN

[+](#) ADD or REMOVE Subparts

Using IVT – Subpart S Example (continued)

2. Prior to entering data, you must indicate if you are using the CEMs or Non-CEMs methodology.

Test Facility 87
Subpart S: Lime Manufacturing (2014)
Subpart Overview

OVERVIEW OF SUBPART REPORTING REQUIREMENTS
Subpart S requires affected facilities to report greenhouse gas (GHG) emissions from all lime kilns combined. Use this page to identify your facility's calculation methodology. If all lime kilns meet the conditions specified in §98.33(b)(4)(ii) or (b)(4)(iii), you must calculate and report under this subpart the combined process and combustion CO₂ emissions by operating and maintaining a Continuous Emissions Monitoring System (CEMS) to measure CO₂ emissions. For additional information about Subpart S reporting, please use the e-GGRT Help link(s) provided.

* denotes a field required to advance within e-GGRT

Methodology *

- Select
- Emissions not calculated using CEMS
- Emissions calculated using CEMS

Note: Under Subpart S, only the facilities that do not use the CEMs methodology must enter inputs into IVT.

Using IVT – Subpart S Example (continued)

3. On the Subpart S Overview page, you must enter you Lime Products, Calcined-Lime By-Products, and/or Wastes before you can complete the inputs page.

OVERVIEW OF SUBPART REPORTING REQUIREMENTS
Subpart S requires affected facilities to report carbon dioxide (CO₂) process emissions from all lime kilns combined; CO₂ combustion emissions from lime kilns; nitrous oxide (N₂O) and methane (CH₄) emissions from fuel combustion at each kiln; and CO₂, N₂O and CH₄ emissions from any other stationary combustion units. First, use this page to identify each lime product produced at your facility and then enter Greenhouse gas (GHG) data required by Subpart S for each lime product and for your facility. Next, identify each calcined-lime byproduct or waste type generated at your facility and then enter GHG data required by Subpart S for each calcined-lime byproduct or waste type and for your facility. For additional information about Subpart S reporting, please use the e-GGRT Help link(s) provided.

 [Subpart S: View Validation](#)

Methodology: Emissions not calculated using CEMS ([Change Methodology](#))

SUBPART S SUMMARY INFORMATION FOR THIS FACILITY

Lime Production Capacity (tons)	CO ₂ used on-site	CO ₂ Process Emissions	
			OPEN

LIME PRODUCTS

Lime Product Name
+ ADD a Lime Product

CALCINED-LIME BY-PRODUCTS OR WASTE

Calcined-Lime By-Product or Waste Name	Sold or Not Sold	Status	Delete
+ ADD a Calcined Lime By-Product or Waste			

[↑ Facility Overview](#) [SAVE](#)

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).

Note: If you do not enter products, by-products or waste, e-GGRT will remind you to enter this pre-requisite data before you can open IVT.

Using IVT – Subpart S Example (continued)

4. Most pages addressing reporting requirements other than inputs have not changed significantly.

Subpart Overview » Lime Product » Lime Product 1

LIME PRODUCT INFORMATION
Use this page to provide monthly information for this lime product. For additional information about entering information for lime products produced at your facility, please use the e-GGRT Help link(s) provided.

Lime Product	Lime Product 1
Beginning of year inventory	<input type="text" value="3800"/> (short tons)
End of year inventory	<input type="text" value="4600"/> (short tons)
Annual quantity of lime product sold	<input type="text" value="34000"/> (short tons)

JANUARY

Method used to determine the quantity of Lime Product 1 produced: [Make all months same](#)

Is the quantity of lime product produced based on substitute data?

Method used to determine the quantity of Lime Product 1 sold: [Make all months same](#)

Is the quantity of lime product sold based on substitute data?

Standard method used to determine CaO content: [Make all months same](#)

Standard method used to determine MgO content:

Is the MgO content based on substitute data?

Using IVT – Subpart S Example (continued)

5. After entering the products and by-products, click the **OPEN** button for Subpart S Summary Information.

SUBPART S SUMMARY INFORMATION FOR THIS FACILITY

Lime Production Capacity (tons)	CO ₂ used on-site	CO ₂ Process Emissions	
			 OPEN

LIME PRODUCTS

Lime Product Name	Status ¹		Delete
 Lime Product 1	Incomplete	OPEN	✖
 Lime Product 2	Incomplete	OPEN	✖

[+ ADD a Lime Product](#)

CALCINED-LIME BY-PRODUCTS OR WASTE

Calcined-Lime By-Product or Waste Name	Sold or Not Sold	Status ¹		Delete
 Lime Waste 1	Not Sold	Incomplete	OPEN	✖

[+ ADD a Calcined Lime By-Product or Waste](#)

[↑ Facility Overview](#)

¹A 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).

Using IVT – Subpart S Example (continued)

6. On the page where you would have entered emission information in past years, you now click **GO** to access IVT.

Subpart S: Lime Manufacturing (2014)

[Subpart Overview](#) » [Subpart S Summary Information](#)

EQ. S-4: FACILITY-LEVEL CO₂ PROCESS EMISSIONS AND ADDITIONAL EMISSIONS INFORMATION

Subpart S requires a facility to report the facility and emissions information described below. For additional information about the facility information required by Subpart S, please use the e-GGRT Help link(s) provided.

(Eq. S-4) Annual CO₂ process emissions from lime production from all kilns (metric tons/year).

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.

EQUATION S-4 SUMMARY AND RESULT

$$E_{CO_2} = \sum_{i=1}^t \sum_{n=1}^{12} (EF_{lime,i,n} \times M_{lime,i,n}) + \sum_{i=1}^b \sum_{n=1}^{12} (EF_{lkd,i,n} \times M_{lkd,i,n}) + \sum_{i=1}^z E_{waste,i}$$

Hover over an element in the equation above to reveal a definition of that element.

Annual CO₂ process emissions from lime production from all kilns (metric tons)

Use Inputs Verifier to calculate **GO**

ADDITIONAL EMISSIONS DATA

Annual lime production capacity for the entire facility (short tons)

Was CO₂ used on site? Yes No

CANCEL **SAVE**

Using IVT – Subpart S Example (continued)

7a: IVT pages lead the user through entry of inputs. In this case, inputs are required for each month for each product and by-product.

EPA United States Environmental Protection Agency

e-GGRT
Inputs Verifier Tool

Hello, Jennifer Bohman | My Profile | Logout

Test Facility 87
Subpart S: Lime Manufacturing (2014)
Subpart Overview » Subpart S Summary Information » Equation S-1 Inputs

EQUATION S-1 PRODUCT INPUTS
Use this page to enter the inputs to equation S-1. The inputs to equations will be used for verification purposes only, and will not be stored by EPA. The results of the verification checks (the verification summary, viewable from the "Subpart Overview" page) will be stored by EPA.

EQUATION INPUTS (1 OF 3)

Product or By-Product Name (type) **Lime Product 1 (product)**
Lime Product 2 (product)
Lime Waste 1 (by-product not sold)

NEXT | Finished entering inputs

Equation S-1: $EF_{LIME,i,n} = [(SR_{CaO} \times CaO_{i,n}) + (SR_{MgO} \times MgO_{i,n})] \times \frac{2000}{2205}$
Hover over an element in the equation above to reveal a definition of that element.

JANUARY

Calcium oxide content, determined according to §98.194(c) (metric ton CaO/metric ton lime) Make all months same
will not be stored by EPA

Magnesium oxide content, determined according to §98.194(c) (metric ton MgO/metric ton lime) Make all months same
will not be stored by EPA

Emission factor for lime type (calculated input to Equation S-4) (metric tons CO2/ton lime)

Weight or mass of lime type produced (input to Equation S-4) (tons) Make all months same
will not be stored by EPA

FEBRUARY

Note: IVT appears with a grey header and IVT inputs cells are outlined in blue

Using IVT – Subpart S Example (continued)

7b: Enter inputs for the second product.



United States
Environmental Protection
Agency

e-GGRT
Inputs Verifier Tool

Hello, Jennifer Bohman | My Profile | Logout

Test Facility 87

Subpart S: Lime Manufacturing (2014)

[Subpart Overview](#) » [Subpart S Summary Information](#) » [Equation S-1 Inputs](#)

EQUATION S-1 PRODUCT INPUTS

Use this page to enter the inputs to equation S-1. The inputs to equations will be used for verification purposes only, and will not be stored by EPA. The results of the verification checks (the verification summary, viewable from the "Subpart Overview" page) will be stored by EPA.

EQUATION INPUTS (2 OF 3)

Product or By-Product Name (type) ▶ Lime Product 1 (product) ✔ all inputs entered

▶ **Lime Product 2 (product)**

▶ Lime Waste 1 (by-product not sold)

◀ PREV | NEXT ▶ | Finished entering inputs

Equation S-1:
$$EF_{LIME,i,n} = [(SR_{CaO} \times CaO_{i,n}) + (SR_{MgO} \times MgO_{i,n})] * \frac{2000}{2205}$$

Hover over an element in the equation above to reveal a definition of that element.

JANUARY

Calcium oxide content, determined according to §98.194(c)	<input style="width: 100px; height: 20px; border: 1px dashed #ccc;" type="text"/> <small>will not be stored by EPA</small>	(metric ton CaO/metric ton lime) Make all months same
Magnesium oxide content, determined according to §98.194(c)	<input style="width: 100px; height: 20px; border: 1px dashed #ccc;" type="text"/> <small>will not be stored by EPA</small>	(metric ton MgO/metric ton lime) Make all months same
Emission factor for lime type (calculated input to Equation S-4)	(metric tons CO2/ton lime)	
Weight or mass of lime type produced (input to Equation S-4)	<input style="width: 100px; height: 20px; border: 1px dashed #ccc;" type="text"/> <small>will not be stored by EPA</small>	(tons) Make all months same

Using IVT – Subpart S Example (continued)

8: Review your calculation results

EQUATION S-4 SUMMARY AND RESULT

$$E_{CO_2} = \sum_{i=1}^t \sum_{n=1}^{12} (EF_{lime,i,n} \times M_{lime,i,n}) + \sum_{i=1}^b \sum_{n=1}^{12} (EF_{kld,i,n} \times M_{kld,i,n}) + \sum_{i=1}^z E_{waste,i}$$

Hover over an element in the equation above to reveal a definition of that element.

Annual CO₂ process emissions from lime production from all kilns (metric tons)

Enter/Report Alternate Result 

ADDITIONAL EMISSIONS DATA

Annual lime production capacity for the entire facility (short tons)

Was CO₂ used on site? Yes No

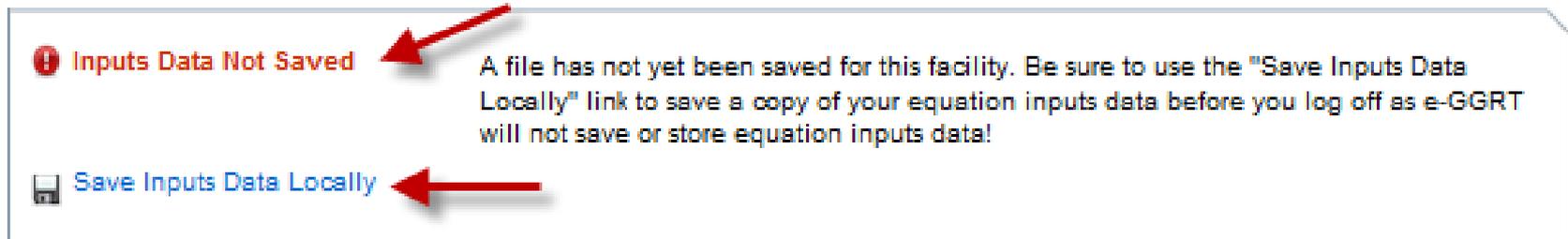
Note: If you disagree with the calculated value you can override and enter your own value

Saving an Inputs File

After entering data into the Inputs Verifier Tool, you will have to save your inputs file to your computer or other location. On each subsequent log in, you will be prompted to temporarily upload your inputs file. **The e-GGRT system will not save data entered into the Inputs Verifier Tool.** Users are responsible for saving their inputs files.

FACILITY'S INPUTS VERIFIER FILE

[What is the Inputs Verifier File?](#)



The screenshot shows a status box with a red warning icon and the text "Inputs Data Not Saved". To the right is a message: "A file has not yet been saved for this facility. Be sure to use the 'Save Inputs Data Locally' link to save a copy of your equation inputs data before you log off as e-GGRT will not save or store equation inputs data!". Below the message is a "Save Inputs Data Locally" link with a floppy disk icon. Two red arrows point from the text in the paragraph above to the warning icon and the link.

The Inputs Verifier File Status Box shows whether you have saved your inputs file. Before entering inputs, the status reads “No inputs verifier file exists”. After data entry, the status updates to “Inputs Data Not Saved.”

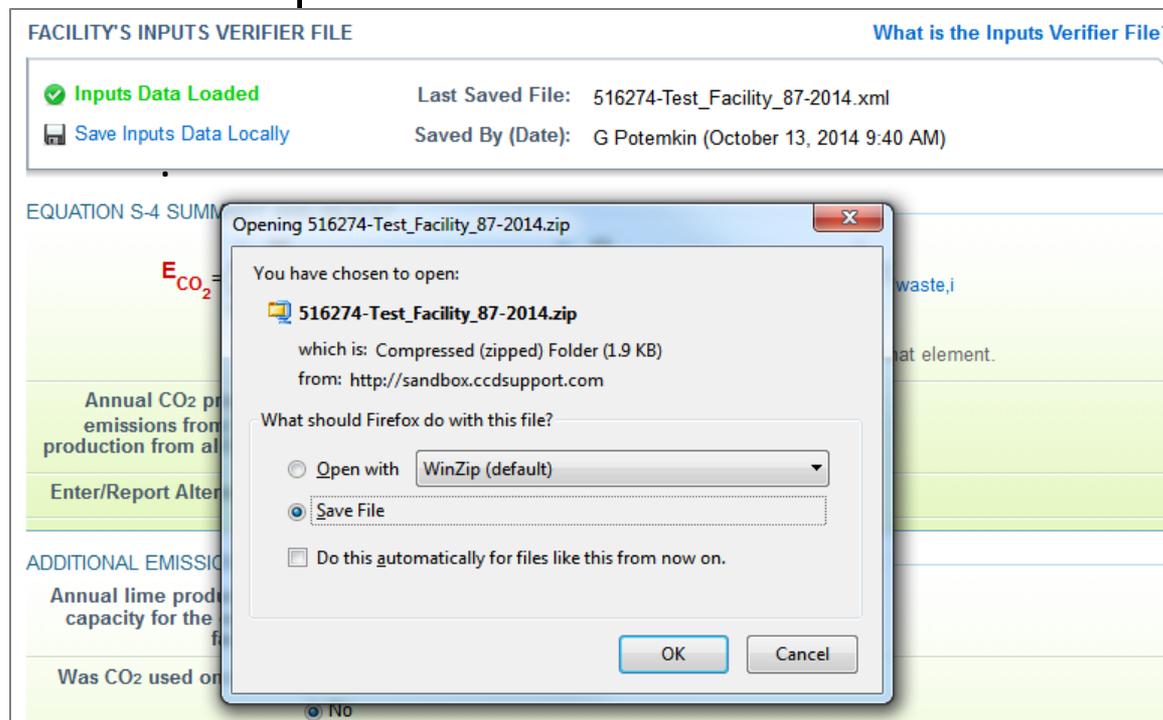
Saving an Inputs File (continued)

1. To save the inputs verifier file, click **SAVE INPUTS LOCALLY** in the Inputs Verifier File Status box. The status box is found on the Facility or Supplier Page or any page where you access IVT.

The screenshot shows the EPA e-GGRT web interface. At the top left is the EPA logo and 'United States Environmental Protection Agency'. At the top right is the 'e-GGRT Electronic Greenhouse Gas Reporting Tool' logo. Below the logo is a navigation bar with 'HOME', 'FACILITY REGISTRATION', 'FACILITY MANAGEMENT', and 'DATA REPORTING'. A user greeting 'Hello, Jennifer Bohman | My Profile | Logout' is visible on the right. The main content area is titled 'Test Facility 87' and 'Subpart S: Lime Manufacturing (2014)'. It includes a 'Subpart Overview' and a link to 'Subpart S Summary Information'. A section for 'EQ. S-4: FACILITY-LEVEL CO₂ PROCESS EMISSIONS AND ADDITIONAL EMISSIONS INFORMATION' contains a text box explaining that Subpart S requires reporting facility and emissions information. To the right, a calculator icon is next to a box showing the value '188,936.6' with the text '(Eq. S-4) Annual CO₂ process emissions from lime production from all kilns (metric tons/year)'. Below this is a section titled 'FACILITY'S INPUTS VERIFIER FILE' with a link 'What is the Inputs Verifier File?'. A red warning icon and text state 'Inputs Data Not Saved' with the message: 'A file has not yet been saved for this facility. Be sure to use the "Save Inputs Data Locally" link to save a copy of your equation inputs data before you log off as e-GGRT will not save or store equation inputs data!'. At the bottom of this section is a 'Save Inputs Data Locally' button with a floppy disk icon.

Saving an Inputs File (continued)

2. Proceed to save the inputs file to a location of your choosing. Note that all browsers work a little differently so your screen may look different than the snapshot below.



The inputs verifier file is a zip file containing an XML file and an HTML file. These two files have identical data, but the HTML file is easier to read

Saving an Inputs File (continued)

3. After saving, the status will update to **Inputs Data Loaded** and display the date and time the file was saved and the user who saved the file.



The screenshot shows a web interface titled "FACILITY'S INPUTS VERIFIER FILE". On the left, there is a green checkmark icon next to the text "Inputs Data Loaded", which is highlighted with a red rectangular box. Below this is a link that says "Save Inputs Data Locally" with a small folder icon. On the right side, there are two lines of text: "Last Saved File: 516274-Test_Facility_87-2014.xml" and "Saved By (Date): G Potemkin (October 13, 2014 9:40 AM)". Two red arrows point from the right towards the file name and the user/date information. In the top right corner of the interface, there is a link that says "What is the Inputs Verifier File?".

Note: e-GGRT will not have a record of where you decide to save your file. Your browser may default to a temporary storage area or a downloads folder. Please take note of your save location or move the saved file to a recordkeeping folder.

Uploading an Inputs File

To load an inputs data file that has been previously saved (as would occur if you logged off and came back to e-GGRT in a later session), follow these steps:

1. Log in to e-GGRT and go to the Data Reporting section.
2. Select **TEMPORARILY LOAD INPUTS DATA**.

Test Facility 87

e-GGRT Greenhouse Gas Data Reporting (2014)

[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).

Inputs Verifier file: not loaded ?

82,580.5
CO₂ equivalent emissions from facility subparts C-II, SS, and TT (metric tons)

0.0
Biogenic CO₂ emissions from facility subparts C-II, SS, and TT (metric tons)

0.0
CO₂ equivalent emissions from supplier subparts LL-QQ (metric tons)

[VIEW GHG DETAILS](#)

FACILITY'S INPUTS VERIFIER FILE [What is the Inputs Verifier File?](#)

Inputs Data Not Loaded

[Temporarily Load Inputs Data](#)

Last Saved File: 516274-Test_Facility_87-2014.xml
Saved By (Date): G Potemkin (October 13, 2014 9:41 AM)

Uploading an Inputs File (continued)

3. Select **BROWSE** and navigate to the inputs data file saved to your local computer.

Temporarily load Inputs Verifier data

Last Saved File: 516274-Test_Facility_87-2014.xml
Saved By (Date): G Potemkin (October 13, 2014 9:41 AM)

To proceed, locate the Last Saved File above with the Browse (or Choose File) field below and click LOAD.

No file selected.

Uploading an Inputs File (continued)

4. Click the **OPEN** button to select the most recent inputs verifier tool file

Name	Date	Type	Size	Tags
 516274-Test_Facility_87-2014(1).zip	10/13/2014 5:41 AM	WinZip File	2 KB	
 516274-Test_Facility_87-2014.zip	10/13/2014 5:20 AM	WinZip File	2 KB	
 data flow3.png	9/24/2014 4:36 PM	PNG image	34 KB	
 data flow3.pptx	9/24/2014 4:36 PM	Microsoft PowerP...	49 KB	
 Inputs Verifier Tool (IVT) Sandbox_v1 10102014.pptx	10/10/2014 3:26 PM	Microsoft PowerP...	2,185 KB	
 workflow3.png	9/24/2014 4:31 PM	PNG image	34 KB	
 workflow3.vsd	9/24/2014 4:30 PM	Microsoft Visio 20...	66 KB	

Uploading an Inputs File (continued)

5. Click the **LOAD** button to load the file to the inputs verifier tool.

Temporarily load Inputs Verifier data

Last Saved File: 516274-Test_Facility_87-2014.xml
Saved By (Date): G Potemkin (October 13, 2014 9:41 AM)

To proceed, locate the Last Saved File above with the Browse (or Choose File) field below and click LOAD.

516274-Test_Facility_87-2014(1).zip

When you click the **GO** button to enter IVT, the inputs you just loaded will display in the proper fields in the inputs verifier screens. You can modify inputs to equations data elements and continue entering them.

Uploading an Inputs File (continued)

If you select an inputs file that is not the most recently saved version you will get an error message when you click the **Load** button.

Temporarily load Inputs Verifier data

Last Saved File: 516274-Test_Facility_87-2014.xml
Saved By (Date): G Potemkin (October 13, 2014 9:58 AM)

To proceed, locate the Last Saved File above with the Browse (or Choose File) field below and click LOAD.

LOAD ERRORS
The file being loaded is different than the one last saved. In order to avoid the loss of the most recent data entered for your facility, e-GGRT only allows you to load the most recent file.

516274-Test_Facility_87-2014.zip

If you are unable to find your inputs file you may have to reset your facility and re-enter your inputs. To avoid this outcome we urge users to consistently save their data to a known location on the local machine.

Verification Checks Conducted by IVT

IVT conducts the following verification checks on data entered into IVT:

- Screen Error - an input is missing, or an input is entered that does not match the field requirements (i.e., a whole number is entered in a field that should be a fraction). Screen errors must be corrected before you can advance to the next page.
- Range Check (data quality) - an input value is outside of the expected range estimated by the EPA.
- Algorithm (data quality) - two or more values are compared to each other, and the result is not what would be expected by the EPA.

Viewing the Inputs Verification Summary (continued)

The Inputs Verification Tool presents the results of these verification checks on the Inputs Verification Summary. To view the Inputs Verification Summary, Click the Subpart Overview link at the top of the screen. On the Subpart Overview page, click **VIEW VALIDATION**.

OVERVIEW OF SUBPART REPORTING REQUIREMENTS

Subpart S requires affected facilities to report carbon dioxide (CO₂) process emissions from all lime kilns combined; CO₂ combustion emissions from lime kilns; nitrous oxide (N₂O) and methane (CH₄) emissions from fuel combustion at each kiln; and CO₂, N₂O and CH₄ emissions from any other stationary combustion units. First, use this page to identify each lime product produced at your facility and then enter Greenhouse gas (GHG) data required by Subpart S for each lime product and for your facility. Next, identify each calcined-lime byproduct or waste type generated at your facility and then enter GHG data required by Subpart S for each calcined-lime byproduct or waste type and for your facility. For additional information about Subpart S reporting, please use the e-GGRT Help link(s) provided.



Subpart S: [View Validation](#)

Or, if all data entered has satisfied the defined verification checks, this section will have a green checkmark and the label “No Validation Messages”.

Viewing the Inputs Verification Summary (continued)

The Validation Report page will display. It has two sections: “Validation Messages for Annual Report Data” and “Verification Summary Generated by Inputs Verifier”.

FACILITY VALIDATION MESSAGES			
Validation Type ¹	ID ²	Facility Name	Message ³
No facility validation messages found.			

LIME PRODUCT VALIDATION MESSAGES			
Validation Type ¹	ID ²	Lime Product Name	Message ³
No lime product validation messages found.			

CALCINED-LIME BY-PRODUCT VALIDATION MESSAGES			
Validation Type ¹	ID ²	Calcined-Lime By-Product Name	Message ³
No calcined-lime by-product validation messages found.			



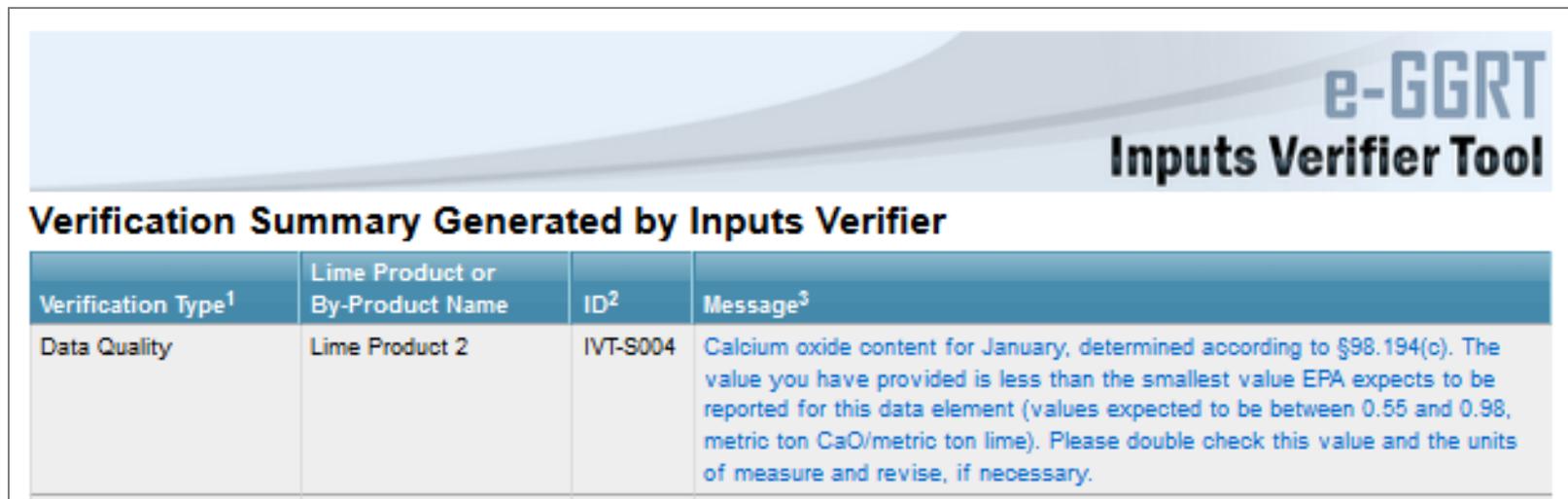
Verification Summary Generated by Inputs Verifier

Verification Type ¹	Lime Product or By-Product Name	ID ²	Message ³
Data Quality	Lime Product 2	IVT-S004	Calcium oxide content for January, determined according to §98.194(c). The value you have provided is less than the smallest value EPA expects to be reported for this data element (values expected to be between 0.55 and 0.98, metric ton CaO/metric ton lime). Please double check this value and the units of measure and revise, if necessary.
Data Quality	Lime Waste 1	IVT-S028	Calcium oxide content for calcined lime byproduct or waste type that is not sold. The value you have provided is less than the smallest value EPA expects to be reported for this data element (values expected to be between 0.55 and 0.98, metric ton CaO/metric ton lime). Please double check this value and the units of measure and revise, if necessary.

[← Subpart Overview](#)

Viewing the Inputs Verification Summary (continued)

In each section, the Message text is linked to the related field. To view and correct the data, click on the text for the associated message. The data entry page containing the field will be displayed. In the example shown, clicking the Message for ID IVT-S004 will cause the Equation S-1 page within IVT to be displayed.



Verification Type ¹	Lime Product or By-Product Name	ID ²	Message ³
Data Quality	Lime Product 2	IVT-S004	Calcium oxide content for January, determined according to §98.194(c). The value you have provided is less than the smallest value EPA expects to be reported for this data element (values expected to be between 0.55 and 0.98, metric ton CaO/metric ton lime). Please double check this value and the units of measure and revise, if necessary.

Submitting an Annual Report Prepared with IVT

1. To review these features, start by clicking the **REPORT SUBMISSION** button on the facility overview page.

FACILITY'S INPUTS VERIFIER FILE [What is the Inputs Verifier File?](#)

 **Inputs Data Loaded** Last Saved File: 527477-Test_Facility_87-2014.xml
 [Save Inputs Data Locally](#) Saved By (Date): Jennifer Bohman (February 13, 2015 2:41 PM)

REPORT DATA

2014 Reporting Source or Supplier Category	Validation Messages?	Subpart Reporting
Subpart A—General Information	None	OPEN
Subpart S—Lime Production	View Messages	OPEN

[+ ADD or REMOVE Subparts](#)

Note: If you have deferred prior year data to be reported with your RY2014 Annual Report, please [Click Here](#).

If 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	
					REPORT SUBMISSION

Submitting an Annual Report Prepared with IVT (continued)

2. Click **GENERATE REPORT AND FINAL VERIFICATION SUMMARY** to begin.

Progress bar: Generate (active), Preview, Verification Review, Certify, Confirmation

Test Facility 87
e-GGRT Greenhouse Gas Annual Report Submission (2014)
[Select Facility](#) » [Facility Overview](#) » **Generate**

REPORT GENERATION AND SUBMISSION
Use this page to generate your Annual Report then you may review your Annual Report submission and your Verification Summary as well as download records. On the following pages, you can comment on verification messages generated by IVT and then initiate the electronic submission and certification process.

Report	Status	Last Generated
2014 Annual Report	Not generated	

GENERATE REPORT AND VERIFICATION SUMMARY

Generating the Annual Report and its associated Verification Summary may take from 1 to 10 minutes depending upon the volume of data.

Once your facility has generated an Annual Report and Verification Summary, it is still possible to return to the data reporting screens to make changes. Those changes, however, will not be reflected in your Annual Report or Verification Summary until you return to this page and generate the report again using the button below. The "Last Generated" timestamp above reflects the last time your Annual Report and Verification Summary were generated.

GENERATE REPORT AND FINAL VERIFICATION SUMMARY

Submitting an Annual Report Prepared with IVT (continued)

3. After the report generates, click **CONTINUE WITH REPORT SUBMISSION**.

e-GGRT Greenhouse Gas Annual Report Submission (2014)

[Select Facility](#) » [Facility Overview](#) » [Generate](#)

REPORT GENERATION AND SUBMISSION

Use this page to generate your Annual Report then you may review your Annual Report submission and your Verification Summary as well as download records. On the following pages, you can comment on verification messages generated by IVT and then initiate the electronic submission and certification process.

Report	Status	Last Generated
2014 Annual Report v1	Ready for review	10/24/2014 1:59:20 PM

GENERATE REPORT AND VERIFICATION SUMMARY

Generating the Annual Report and its associated Verification Summary may take from 1 to 10 minutes depending upon the volume of data.

Once your facility has generated an Annual Report and Verification Summary, it is still possible to return to the data reporting screens to make changes. Those changes, however, will not be reflected in your Annual Report or Verification Summary until you return to this page and generate the report again using the button below. The "Last Generated" timestamp above reflects the last time your Annual Report and Verification Summary were generated.

REGENERATE

or

Continue with Report Submission →

 **The Annual Report and Verification Summary have already been generated.** Click the REGENERATE button above to regenerate the report to reflect changes that have been made to the reported data. Or, click the Continue with Report Submission button to proceed to the next step.

Submitting an Annual Report Prepared with IVT (continued)

4. Review your annual report, verification summary, and download records from this page. Click **VERIFICATION REVIEW** to continue.

Remember: Inputs to equations that were entered into IVT must be kept as a record.

Report	Status	Last Generated
2014 Annual Report v1	Ready for review	02/13/2015 2:44:39 PM

REVIEW REPORTS

Prior to the submission and certification of your report to EPA, you may review it by using either the Report or XML links. You may also review PUBLIC versions of your report which include the information EPA intends to make publicly available through Envirofacts.

Report and XML Links: [REPORT](#) | [XML](#) | [DOWNLOAD XML](#) | [VIEW PUBLIC REPORT](#) | [VIEW PUBLIC XML](#)

VERIFICATION SUMMARY

Use the following links to view the Verification Summary for your annual report. You will be able to comment on verification messages generated by IVT on the following pages.

Subpart	Verification Summary
Subpart A—General Information	No issues
Subpart S—Lime Production	View Verification Results

TREND REPORT

View a comparison of this year's Annual Report to previous years' certified submissions.

Trend Report Links: [TREND BY CO2E](#) | [TREND BY GAS](#)

DOWNLOAD EQUATION INPUTS FILE FOR RECORDKEEPING

EPA requires that you keep a record of the inputs to equations that are not being reported to EPA in the format generated by e-GGRT. Please download the required records here. The e-GGRT system will NOT save a copy of this data after you log out.

Download Record of Equation Inputs: [HTML](#) | [XML](#) | [ZIP](#)

SUBMIT and CERTIFY REPORT

If you have reviewed and are satisfied with your Annual Report you may proceed to submit then certify. The certification process includes applying your electronic signature (entering your password and answering a challenge question).

SUBMIT

Submitting an Annual Report Prepared with IVT (continued)

5. Prior to certification you will see a listing of all IVT error messages associated with your submission. If you click “Optional Comment to EPA” you can enter any explanatory text.

The screenshot displays the submission process for Test Facility 87. At the top, a progress bar shows five steps: Generate (green checkmark), Preview/Submit (green checkmark), Verification Review (white circle), Certify (red circle), and Confirmation (red circle). Below the progress bar, the title is "Test Facility 87 e-GGRT Greenhouse Gas Annual Report Submission (2014)". A breadcrumb trail reads "Select Facility » Facility Overview » Certify and Send".

A section titled "IVT COMMENTS" contains the following text: "You may comment on the errors below by entering your comments in the textarea and clicking the Submit button. If you choose to change data and regenerate your report, your comments will be erased. You will then have opportunity to add comments to any new IVT errors."

Below this is a section titled "SUBPART S IVT ERROR MESSAGES". It lists an error with the following details:

Error Code	Field
IVT-S004	calciumOxideContent
Unit Name	Fuel

Message: Calcium oxide content for January, determined according to §98.194(c). The value you have provided is less than the smallest value EPA expects to be reported for this data element (values expected to be between 0.55 and 0.98, metric ton CaO/metric ton lime). Please double check this value and the units of measure and revise, if necessary.

A button labeled "Optional Comment to EPA" is highlighted with a red box. At the bottom of the interface are three buttons: "SAVE", "SAVE and CERTIFY", and "CANCEL".

Deferred Data

- Deferred data where no disclosure concerns were identified must be reported by March 31, 2015. (See 79 FR 63750, Oct 2014).
- For a list of deferred data that must be reported by March 31, 2015, see Table A-7 of subpart A of Part 98.

http://www.ecfr.gov/cgi-bin/text-idx?SID=6d7b9d07e412e5375a4ee2336497370c&node=ap40.21.98_19.7&rgn=div9

This requirement impacts subparts:

Subpart C – General Stationary Fuel Combustion Sources
Subpart E – Adipic Acid Production
Subpart H – Cement Production
Subpart O – HCFC-22 Production and HFC-23 Destruction
Subpart Q – Iron and Steel Production
Subpart W – Petroleum and Natural Gas Systems
Subpart Y – Petroleum Refineries
Subpart AA – Pulp and Paper Manufacturing
Subpart CC – Soda Ash Manufacturing
Subpart II – Industrial Wastewater Treatment

Reporting Deferred Data (continued)

- Deferred data is submitted as part of your RY2014 annual report.
 - For RY2014, deferred data has been incorporated into the annual report data entry screens.
 - For RY2010-2013, data will be entered on separate reporting forms and submitted with your 2014 annual report.
- More information on who needs to report and for help completing deferred data forms:

<http://www.ccdsupport.com/confluence/display/help/Deferred+Reporting+Instructions>

- Subpart W – Petroleum and Natural Gas Systems
 - See subpart W webinar:

<http://www.epa.gov/ghgreporting/reporters/training/index.html>

Reporting Deferred Data (continued)

1: On the Facility Overview page, **CLICK HERE** to access the Deferred Data Reporting page.

e-GGRT Greenhouse Gas Data Reporting (2014)
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](#))

REPORT DATA

2014 Reporting Source or Supplier Category	Validation Messages?	Subpart Reporting
Subpart A—General Information	Cannot Submit-View Critical Errors	OPEN
Subpart I—Electronics Manufacturing	Cannot Submit-View Critical Errors	OPEN

[+](#) ADD or REMOVE Subparts

Note: If you have deferred prior year data to be reported with your RY2014 Annual Report, please [Click Here](#).

CO2 equivalent emissions from facility subparts C-II, SS, and TT (metric tons)

Biogenic CO2 emissions from facility subparts C-II, SS, and TT (metric tons)

CO2 equivalent emissions from supplier subparts LL-QQ (metric tons)

[VIEW GHG DETAILS](#)

Reporting Deferred Data (continued)

2: Click **BACK YEAR REPORTING AND INPUTS FORMS** to download reporting forms.

1.) BACK YEAR REPORTING

You may be required to report data from previous years, for which reporting was previously deferred until March 31, 2015. This requirement impacts facilities reporting under Subparts C, E, H, O, Q, W, Y, AA, CC, and II. Use the help links provided to the left to determine if you are subject to this requirement. If you are required to submit any one-time back year reporting inputs please proceed to step 2.

2.) DOWNLOAD AND COMPLETE FORM(S)

Please use the link below to access the reporting forms for each applicable subpart. Complete the forms and then proceed to step 3.

[▶ Back Year Reporting and Inputs Forms](#) 

3.) UPLOAD COMPLETED BACK YEAR REPORTING FORM(S)

Please use the UPLOAD form link below to upload completed reporting forms.

Note: Back-year reporting forms for Subpart W (Petroleum and Natural Gas Systems) should be uploaded on the Subpart W Overview page.

File Name	Subpart	Attached By	Date	Delete
No files found.				
+ ADD an Attachment				

Deferred data forms also posted here:

<http://www.ccdsupport.com/confluence/display/help/Reporting+Form+Instructions#>

Reporting Deferred Data (continued)

3: Enter deferred data on Microsoft XLS based reporting forms. Forms vary by subpart.

Part 1 - Facility Information Instructions: Complete the following facility information.	
Facility Name:	
GHGRP ID:	
Reporting Period:	2010
Did this facility report Subpart Y data in RY2010?:	Yes
Comments:	
Space is provided for up to five units. Use additional copies of this file for additional units.	
Part 2 - Petroleum Refineries - Sulfur Recover Plant Tail Gas Correction Factor (1 of 5) Instructions: Complete the following information for each petroleum refinery on-site sulfur recovery plant that used a unit-specific correction factor for recycled tail gas according to the requirements in 98.253(f)(5).	
Name or ID:	
Optional Description:	
Value of the correction	
Part 2 - Petroleum Refineries - Sulfur Recover Plant Tail Gas Correction Factor (2 of 5) Instructions: Complete the following information for each petroleum refinery on-site sulfur recovery plant that used a unit-specific correction factor for recycled tail gas according to the requirements in 98.253(f)(5).	
Name or ID:	
Optional Description:	
Value of the correction	

2010 2011 2012 2013

Note: In many cases, a separate tab is used for each reporting year.

Reporting Deferred Data (continued)

4. Click **ADD AN ATTACHMENT** to upload the deferred data reporting form.

1.) BACK YEAR REPORTING

You may be required to report data from previous years, for which reporting was previously deferred until March 31, 2015. This requirement impacts facilities reporting under Subparts C, E, H, O, Q, W, Y, AA, CC, and II. Use the help links provided to the left to determine if you are subject to this requirement. If you are required to submit any one-time back year reporting inputs please proceed to step 2.

2.) DOWNLOAD AND COMPLETE FORM(S)

Please use the link below to access the reporting forms for each applicable subpart. Complete the forms and then proceed to step 3.

[Back Year Reporting and Inputs Forms](#)

3.) UPLOAD COMPLETED BACK YEAR REPORTING FORM(S)

Please use the UPLOAD form link below to upload completed reporting forms.

Note: Back-year reporting forms for Subpart W (Petroleum and Natural Gas Systems) should be uploaded on the Subpart W Overview page.

File Name	Subpart	Attached By	Date	Delete
No files found.				
+ ADD an Attachment 				

Note: Subpart W - Petroleum and Natural Gas Systems deferred data forms are uploaded on the Subpart W Overview page.

XML Reporters - IVT

IVT is also provided for XML reporters. XML reporters will first upload their annual report file. They will then be prompted to upload an IVT file. Verification checks will be conducted on the IVT file, but the IVT file will not be saved by the system.

LOAD TRANSIENT INPUTS FILE FOR VERIFICATION

You must upload a separate inputs to equations XML file. E-GGRT will conduct verification checks that compare the data in the inputs to equations XML file to the annual report XML file. E-GGRT will generate a report that summarizes the results of these verification checks. Only the results of the verification checks, displayed on subsequent screens, will be saved. E-GGRT will not save the data contained in the inputs to equations XML file.

UPLOAD TRANSIENT INPUTS FILE

Browse...

Subpart P_IVT Inputs.xml

UPLOAD



One or more of the subparts in the annual GHG report requires an inputs file to be used for verification of reported values.

NOTE: The inputs data file will not be stored by EPA or submitted to EPA. It will only be used for verification purposes and will be discarded when you logout of e-GGRT.

CANCEL

XML Reporters - Deferred Data

XML reporters, other than Subpart W, upload deferred reporting forms (MS Excel) in addition to their XML. E-GGRT will package those reporting forms for submission with your XML. The deferred reporting forms are uploaded XML reporters using the link immediately below the XML upload control on the the Facility or Supplier Overview page.

e-GGRT Greenhouse Gas Data Reporting (2014)
[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 upload via XML ([Change](#))

CO₂ equivalent emissions from facility subparts C-II, SS, and TT (metric tons) 298,333.3

Biogenic CO₂ emissions from facility subparts C-II, SS, and TT (metric tons) 0.0

CO₂ equivalent emissions from supplier subparts LL-QQ (metric tons) 0.0

[VIEW GHG DETAILS](#)

UPLOAD GHG ZIP and GENERATE REPORT

No file chosen

Please upload only the annual GHG report (XML file). After uploading the annual GHG report file, the system will determine if it is necessary for you to upload a separate Inputs Verifier Tool xml file.

Note: If you have deferred prior year data to be reported with your RY2014 Annual Report, please [Click Here](#).

Questions?

e-GGRT:

<https://ghgreporting.epa.gov/>

Help Desk:

Website: <http://ccdsupport.com>

Email: GHGreporting@epa.gov

Web: <http://www.epa.gov/ghgreporting/contactus.html>

Telephone:

1-877-444-1188 (toll free)

1-703-676-4400 (outside U.S.)

As a reminder, please do not submit sensitive or business confidential information to the helpline.