



California Electronic Greenhouse Gas Reporting Tool

Reporting for Subparts H, N, AA, Q, V, S Process Emissions and Product Data

*Cement Production, Glass Production, Pulp and Paper
Manufacturing, Nitric Acid Production, Lime
Manufacturing, Iron and Steel Production*

March 20, 2012

Presentation Slides Available Here:

<http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm>

Outline

- Registration and Tool Overview
- Subpart C Overview – Stationary Combustion
- Reporting Process Emission Sources
 - Summary emissions data
 - Product data
 - Detail data
 - Sources with CEMS (tool demo)
 - Sources without CEMS (tool demo)
 - Q&A

Training Resources

- Reporting Guidance: Applicability, Metering
<http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance.htm>
- Tool Training: Registration, Subparts
<http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm>
- Cal e-GGRT Main Help Page
<http://www.ccdsupport.com/confluence/display/calhelp/Home>
- U.S. EPA Detailed Sector Training Slides
<http://www.epa.gov/climatechange/emissions/training.html>
(use as a supplement to ARB summary slides)

Cal e-GGRT Help

<http://www.ccdsupport.com/confluence/display/calhelp/Home>



California Environmental Protection Agency
Air Resources Board

Cal e-GGRT
California Electronic Greenhouse Gas
Reporting Tool

Home Search

Note: The Cal e-GGRT help system includes general instruction on using the California GHG reporting tool. However, the help system may not explain differences between California and U.S. EPA reporting requirements. Please refer to the ARB reporting website for California-specific reporting requirements and additional help.

Home

Welcome to Cal e-GGRT Help

This site contains news, tutorials, FAQs, help and other information about Cal e-GGRT.

 **Cal e-GGRT News**

News feeds and links coming soon!

 **Learn About Cal e-GGRT**

- [Registration Instructions](#)
- [GHG Reporting Instructions](#)
- [ARB Outreach and Training](#)

 **Help**

- [About ARB's Mandatory GHG Emission Reporting and AB32](#)
- [About EPA's GHG Reporting Program and Part 98](#)
- [Harmonization of CARB's Cal e-GGRT and EPA's e-GGRT](#)
- [Frequently Asked Questions \(FAQs\)](#)
- [Known Issues](#)
- [Contact Us](#)

[FAQs](#) – [Glossary](#) – [Contact Us](#) – [ARB GHG Reporting](#)

What is Cal e-GGRT?

- The *California Electronic Greenhouse Gas Reporting Tool* (Cal e-GGRT) is used to report all data required by the California GHG mandatory reporting regulation
- Contains specialized modules for each sector required to report
 - Also includes modules for Fee Regulation and SF₆
- Multiple users may be associated with a single facility or entity
- Verifiers may be associated with facilities for data review purposes

Registering in Cal e-GGRT

- Before using Cal e-GGRT, it is necessary to perform NEW USER REGISTRATION
 - Applies to ALL users, even if previously reported to ARB
- Registration is separate from U.S. EPA registration
- ARB approves Electronic Signature Agreement (ESA) before users can accept Invitation Codes
- Cal e-GGRT sends DR Invitation Codes to primary managers to begin associate with facilities
- Users may be Designated Representatives (DRs), Alternate DRs, and Agents
- Contact ghgreport@arb.ca.gov if NEW reporting account needed

User Registration: Login Page

<http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm>

Context sensitive help on every page

California Environmental Protection Agency
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If you have an account then log in here

Cal e-GGRT Help

Login to Cal e-GGRT

Welcome to ARB's electronic Greenhouse Gas Reporting Tool

About Cal e-GGRT

Cal e-GGRT supports facility and supplier reporting for the Mandatory Reporting of Greenhouse Gases Regulation. The regulation requires electronic reporting of greenhouse gas (GHG) emissions from large sources and suppliers in California.

Warning Notice

Cal e-GGRT registration is part of a California Air Resources Board (ARB) 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.

Cal e-GGRT LOGIN

User Name:

Password:

LOGIN

Forgot your [User Name](#) or [Password](#)?

New Cal 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

NOTE: Your Cal e-GGRT user account is NOT the same as your EPA CDX user account.

Otherwise, click the green **NEW USER REGISTRATION** button

User Registration: Adding ADR and Agents

- Facility Management tab
- Use CHANGE or Add Agent buttons

California Environmental Protection Agency
Air Resources Board

HOME **FACILITY MANAGEMENT** DATA REPORTING

MY FACILITIES FACILITY SUMMARY Hello, Patrick Gaffney | My Profile | Logout

Cal e-GGRT Help
About Facility Management

ARB Test Facility - TEST ONLY - Production Site
Facility Summary

Cal 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	Patrick Gaffney	CHANGE
Alternate Designated Representative	Karen Lutter	CHANGE

Facility Profile

Physical Address	ARB Test Facility - TEST ONLY - Production Site ARB Street Sacramento CA 95814	EDIT
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Certificate of Representation Signed and Complete: No further action is required by the facility representatives.

[Certificate of Representation](#)

Agent (for this facility) for
none appointed

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

Initiate changes here for DR, ADR, & Agents

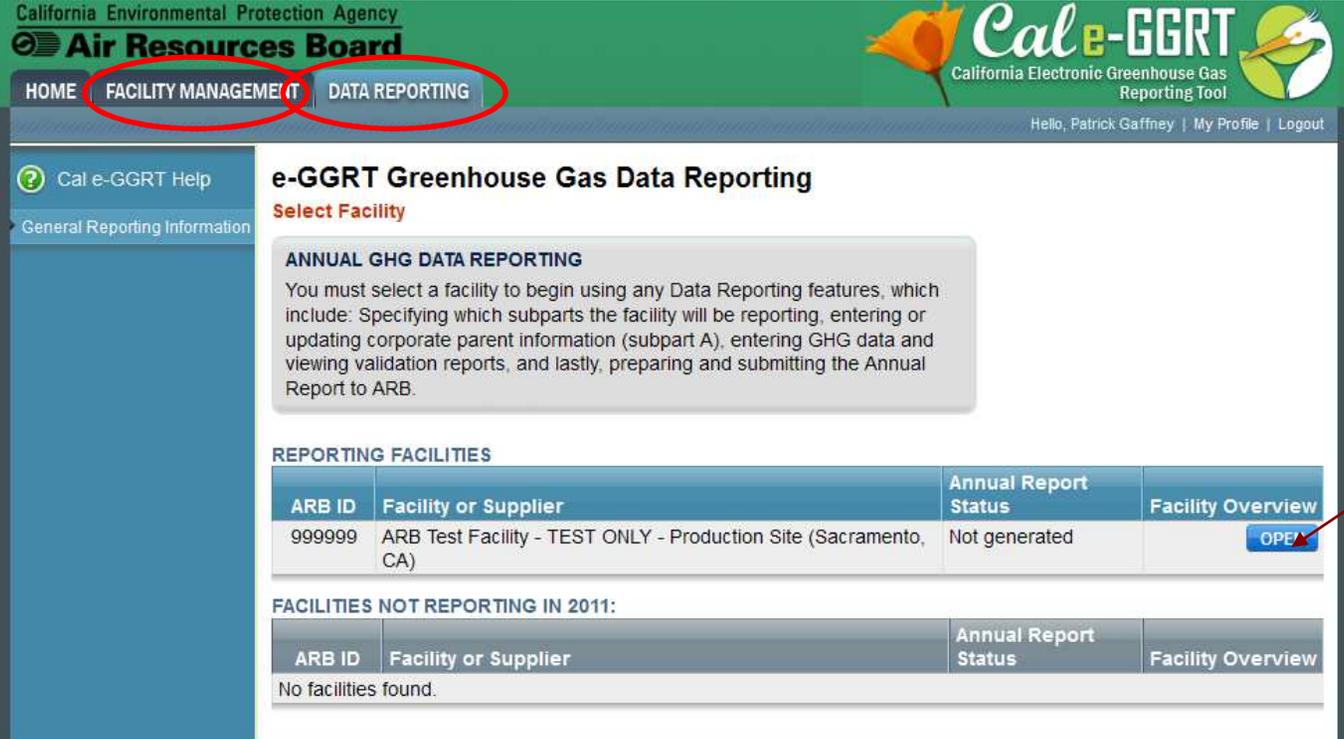
CHANGE

CHANGE

+ Add Agent ✗ Remove selected

Reporting: Facility Profile and Data Reporting

- Use the Facility Management tab to enter Facility Profile data
- Use Data Reporting tab to report other data



California Environmental Protection Agency
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HOME FACILITY MANAGEMENT DATA REPORTING

Cal e-GGRT Help
General Reporting Information

e-GGRT Greenhouse Gas Data Reporting
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 ARB.

ARB ID	Facility or Supplier	Annual Report Status	Facility Overview
999999	ARB Test Facility - TEST ONLY - Production Site (Sacramento, CA)	Not generated	OPEN

FACILITIES NOT REPORTING IN 2011:

ARB ID	Facility or Supplier	Annual Report Status	Facility Overview
No facilities found.			

OPEN Facility Overview to begin entering data

Reporting: Adding Subparts

- Add or remove subparts as applicable to reporting entity
- OPEN subpart to complete data entry for each subpart

ARB Test Facility - TEST ONLY - Production Site (2011)
Cal e-GGRT Greenhouse Gas Data Reporting
[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).

CO₂ equivalent emissions (excluding biogenic) from subparts C - HH (metric tons)
0

Biogenic CO₂ emissions from subparts C - HH (metric tons)
0

CO₂ equivalent quantity from supplier categories (metric tons)
0

[VIEW GHG DETAILS](#)

REPORT DATA

2011 Reporting Source or Supplier Category	Validation Messages?	Subpart Reporting
Sections 95100-95108 (Subpart A)—General Information	View Messages	OPEN
Sections 95115, 95112 (Subpart C)—Stationary Fuel Combustion	View Messages	OPEN
Section 95113 (Subpart Y)—Petroleum Refineries	View Messages	OPEN

[+ ADD or REMOVE Subparts](#)

SUBPART ATTACHMENTS

Uploaded File Name	Subpart	Uploaded By	Uploaded Date
No subpart attachments			

Reporting: Adding Subparts

- Select applicable subparts

<p>EPA SUBPARTS D - AA</p> <p><input type="checkbox"/> 95112 (Subpart D)—Acid Rain Program EGU Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95110 (Subpart H)—Cement Production Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95116 (Subpart N)—Glass Production Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95114 (Subpart P)—Hydrogen Production Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95120 (Subpart Q)—Iron and Steel Production Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95117 (Subpart S)—Lime Manufacturing Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95118 (Subpart V)—Nitric Acid Production Description (SHOW HIDE)</p> <p>95150-95157 (Subpart W)—Oil and Natural Gas Systems Not currently available for selection. Description (SHOW HIDE)</p> <p><input checked="" type="checkbox"/> 95113 (Subpart Y)—Petroleum Refineries Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95119 (Subpart AA)—Pulp and Paper Manufacturing Description (SHOW HIDE)</p> <p><input type="button" value="CANCEL"/> <input type="button" value="SAVE"/></p>	<p>GENERAL STATIONARY FUEL COMBUSTION</p> <p><input checked="" type="checkbox"/> 95115, 95112 (Subpart C)—Stationary Fuel Combustion Description (SHOW HIDE)</p> <hr/> <p>SUPPLIER CATEGORIES</p> <p><input type="checkbox"/> 95121 (Subpart MM)—Suppliers of Petroleum Products Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95122 (Subpart NN)—Suppliers of Natural Gas and Natural Gas Liquids Description (SHOW HIDE)</p> <p><input type="checkbox"/> 95123 (Subpart PP)—Suppliers of Carbon Dioxide Description (SHOW HIDE)</p> <hr/> <p>AB 32 COST OF IMPLEMENTATION FEE REGULATION</p> <p><input type="checkbox"/> 95201-95207—AB 32 Cost of Implementation Fee Regulation Description (SHOW HIDE)</p> <hr/> <p>SF6 GAS INSULATED SWITCHGEAR</p> <p><input type="checkbox"/> 95350-95359—SF6 Gas Insulated Switchgear Description (SHOW HIDE)</p> <hr/> <p>ELECTRIC POWER ENTITIES</p> <p>95111—Electric Power Entities Not currently available for selection. Description (SHOW HIDE)</p>
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Subpart A

- Applies to all reporters
- Includes info for electricity generators
- Report electricity and natural gas purchases
- De minimis emissions

ARB Test Facility - TEST ONLY - Production Site (2011)
Sections 95100-95108 (Subpart A): Facility Reporting Information
[Select Facility](#) » [Facility or Supplier Overview](#) » **Subpart A**

SUBPART A – GENERAL INFORMATION

Each facility or supplier, and for each reporting year is required to supply some basic facility level information, including the entering and reporting of relevant NAICS codes and the entering and reporting of all highest-level United States parent companies.

 **Subpart A:** [View Validation](#)

NAICS CODES

NAICS Code	Description	Relevance	Delete
No NAICS codes found.			
+ ADD a NAICS Code			

U.S. PARENT COMPANIES

Parent Company	Address	% of Ownership	Delete
No parent companies found.			
+ ADD a Parent Company			

GHG report start date: * 

GHG report end date: * 

Explanation of any calculation methodology changes during the reporting year:

EPA e-GGRT ID:

Will you be submitting a Full or Abbreviated GHG Report? Full GHG Report Abbreviated GHG Report

Do reported emissions include emissions from a cogeneration unit? Yes No Not applicable because I am a supplier

ELECTRICITY GENERATION

Does this facility have the capacity to Yes

Additional Data Reporting

- ARB requires additional product data and CBI data deferred by U.S. EPA
- Cal e-GGRT supports reporting all required data, and is harmonized with the ARB regulation
 - Product data
 - Equation inputs, such as monthly HHV data or carbon content data
 - Additional identification of biogenic emissions
 - Additional information for electricity generation or cogeneration facilities



Subpart C Reporting

Stationary Combustion Emissions

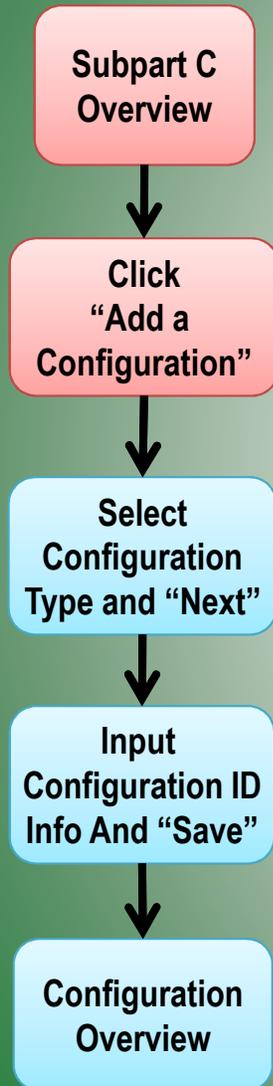
Subpart C

- Report emissions from stationary fuel combustion sources under the subpart C module
- Exceptions to reporting under Subpart C
 - Units exempted from reporting combustion emissions under 40 CFR 98.30(b) (e.g., portable equipment, ag. pumps, etc.)
 - Electricity generating units subject to subpart D
 - **Combustion units identified in another subpart that exhaust combined combustion and process emissions through a CEMS (e.g. cement kilns with combined process and combustion emissions measured by a CEMS are reported under Subpart H)**
 - Combustion activities calculated as specifically identified within another subpart

Adding a Subpart C Configuration

- Two Step Process
 1. Configuration Setup
 - Performed once for each configuration
 - Details vary configuration type
 2. Fuel Use and Emissions per Configuration
 - Report for each fuel combusted in a given configuration
 - Inputs vary by tier and fuel type (default EFs, HHV data, etc.)

Reporting: Subpart C Stationary Combustion



ARB Test Facility - TEST ONLY - Production Site (2011)
95115, 95112 (Subpart C) - Stationary Fuel Combustion

Subpart C Overview

OVERVIEW OF SUBPART C REPORTING REQUIREMENTS

Subpart C requires affected facilities to report annual carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) emissions from each stationary combustion unit. First, use this page to identify each stationary combustion reporting *configuration* (reporting options listed in §98.36) and then enter emissions information required by subpart C for each configuration.

For additional information about subpart C reporting, please use the Cal e-GGRT Help link(s) provided.



Subpart C: [View Validation](#)

CONFIGURATION SUMMARY

Configuration Name or ID	Configuration Type	Status ¹		Delete
PG Single Unit	Single Unit Using Tiers 1, 2, or 3	Incomplete	OPEN	✘
PG Boiler #3	Single Unit Using Tiers 1, 2, or 3	Incomplete	OPEN	✘

Add a Configuration

Facility Overview



Process Emissions

Process Emissions

- Occur as the result of chemical reactions and other non-combustion activities
- Separately calculated and reported
 - UNLESS, measured using CEMS that also measures combined combustion emissions
- Requires separate reporting within tool
- Upload spreadsheets with detailed process emissions calculation data

Reporting: Subparts H, N, AA, Q, V, S

Cement Production, Glass Production, Pulp and Paper Manufacturing,
Nitric Acid Production, Lime Manufacturing, Iron and Steel Production

- ARB and EPA reporting are very similar for these sectors
 - ARB requires additional product data and supporting data spreadsheets
- Refer to U.S. EPA Training Slides
 - <http://www.epa.gov/climatechange/emissions/training.html>
- U.S. EPA training slides are much more comprehensive and include detailed notes
- Presentation focuses on ARB and EPA reporting *differences*

Cement

Summary Information

- Enter Summary information
- Includes product data

ARB Test Facility - TEST ONLY - Production Site (2011)
Section 95110 (Subpart H): Cement Production
[Subpart Overview](#)

OVERVIEW OF SUBPART REPORTING REQUIREMENTS

Subpart H requires affected facilities to report carbon dioxide (CO₂) from each cement kiln. First, use this page to identify each cement kiln and then enter greenhouse gas (GHG) data required by Subpart H for each cement kiln and for your facility. Summary Information section is just for non-CEMS related kiln emissions. For additional information about Subpart H reporting, please use the Cal e-GGRT Help link(s) provided.



Subpart H: [View Validation](#)

SUBPART H SUMMARY INFORMATION FOR THIS FACILITY

# of Cement Kilns	# of Operating Cement Kilns	CO ₂ (metric tons)

[OPEN](#)

CEMENT KILN SUMMARY (Cement kilns NOT monitored by CEMS)

Name/ID	Status ¹		Delete
No units have been added			

[+ ADD a Cement Kiln](#)

CEMENT KILN SUMMARY (Cement kilns monitored by CEMS)

Name/ID	Status ¹		Delete
No units have been added			

[+ ADD a Cement Kiln Monitored by CEMS](#)

[↑ Facility Overview](#)

Cement Summary Information

- If using CEMS, leave process emissions blank
- List if more than 3 substitutes

CEMENT SUBSTITUTE #3

Annual Cement substitute consumed by the Facility short tons

Cement Substitute Type

ADDITIONAL CEMENT SUBSTITUTE

Total Quantity of Other Cement substitute consumed by the Facility short tons

Cement Substitute Type

EQUATION SPREADSHEET ATTACHMENTS

Please attach the three completed [Subpart H calculation spreadsheets](#) you used to calculate above:

Equation H-1 Calculation Spreadsheet.xls
Equation H-2, H-3, H-4 Calculation Spreadsheet.xls
Equation H-5 Calculation Spreadsheet.xls

Uploaded File Name	Attached By
No files found.	

Patrick Training Test Facility (2011)
Section 95110 (Subpart H): Cement Production
[Subpart Overview](#) » [Subpart H Summary Information](#)

SUBPART H SUMMARY INFORMATION FOR THIS FACILITY

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

Annual CO₂ process emissions from cement manufacturing (metric tons)

EQUATION H-1 SUMMARY AND RESULT (for kilns NOT monitored by CEMS)

$$CO_{2CMF} = \sum_{m=1}^k CO_{2Cl,m} + CO_{2m}$$

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

Annual CO₂ process emissions from cement manufacturing (if applicable) (metric tons)

[Use Subpart H equation spreadsheets to calculate](#) (for kilns not monitored by a CEMS)

TOTAL NUMBER OF KILNS

Number of kilns

Number of operating kilns

ANNUAL PRODUCTION AND CONSUMPTION QUANTITIES

Annual Cement production for the Facility short tons

Annual Clinker production for the Facility short tons

Annual Clinker consumed by the Facility short tons

Annual Limestone consumed for blending short tons

Annual Gypsum consumed for blending short tons

Cement

Reporting Using CEMS

- Add a cement kiln
- Add a CEMS monitoring location
- Continue checking “View Validation” to complete all data

CEMENT KILN SUMMARY (Cement kilns monitored by CEMS)

Name/ID	Status ¹		Delete
 PG Cement Kiln - CEMS	Complete	OPEN	

[+ ADD a Cement Kiln Monitored by CEMS](#)

CEMS MONITORING EMISSIONS DATA

CML Name/Identifier	CML Configuration	Monitored Unit(s)	Total CO ₂ emissions (metric tons)	Status	Delete
 PG - Primary Kiln Stack	Process/stationary combustion units share common stack	PG Cement Kiln - CEMS	200,000	Complete	

[+ ADD a CEMS Monitoring Location](#)

[↑ Facility Overview](#)

Cal e-GGRT

Online Tool Demonstration

Using CEMS

- Adding subpart
- Entering Summary and Product data
- Adding unit monitored by CEMS
- Checking Validation Messages
- Questions

Pulp and Paper Summary Information

- Enter Summary information
- Includes product data

Annual steam purchases	<input type="text"/>	(pounds per year)
Annual production of pulp products	<input type="text"/>	(metric tons)
Annual production of paper products	<input type="text"/>	(metric tons)
Annual production of recycled boxboard	<input type="text"/>	(short tons)
Annual production of recycled linerboard	<input type="text"/>	(short tons)
Annual production of recycled medium	<input type="text"/>	(short tons)
Annual production of tissue	<input type="text"/>	(short tons)

SUBPART AA SUMMARY INFORMATION FOR THIS FACILITY

Annual Steam Purchases (pounds)	Annual Production of Pulp Products (metric tons)	Annual Production of Paper Products (metric tons)	<input type="button" value="OPEN"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	

MAKEUP CHEMICAL USAGE SUMMARY

Name/ID	Type	CO ₂ (metric tons)	Status ¹	Delete
No make-up chemical use units present				

[+ ADD Makeup Chemical Use](#)

UNIT AND FURNACE SUMMARY

Name/ID	Type	Biogenic CO ₂ (metric tons)	Status ¹	Delete
No units or furnaces have been added				

[+ ADD a Unit or Furnace](#)

UNIT AND FURNACE SUMMARY (UNITS AND FURNACES MONITORED BY CEMS)

Name/ID	Type	CO ₂ (metric tons)	CH ₄ (metric tons)	N ₂ O (metric tons)	Status ¹	Delete
No units or furnaces have been added						

[+ ADD a Unit or Furnace Monitored by CEMS](#)

[↑ Facility Overview](#)

Pulp and Paper: Non-CEMS Makeup Chemical & Furnace

- Enter Summary information
- Includes product data

SUBPART AA SUMMARY INFORMATION FOR THIS FACILITY

Annual Steam Purchases (pounds)	Annual Production of Pulp Products (metric tons)	Annual Production of Paper Products (metric tons)	
			OPEN

MAKEUP CHEMICAL USAGE SUMMARY

Name/ID	Type	CO ₂ (metric tons)	Status ¹	Delete
No make-up chemical use units present				
+ ADD Makeup Chemical Use				

UNIT AND FURNACE SUMMARY

Name/ID	Type	Biogenic CO ₂ (metric tons)	Status ¹	Delete
No units or furnaces have been added				
+ ADD a Unit or Furnace				

UNIT AND FURNACE SUMMARY (UNITS AND FURNACES MONITORED BY CEMS)

Name/ID	Type	CO ₂ (metric tons)	CH ₄ (metric tons)	N ₂ O (metric tons)	Status ¹	Delete
No units or furnaces have been added						
+ ADD a Unit or Furnace Monitored by CEMS						

[↑ Facility Overview](#)

Uploading Required Supporting Data

- Cal e-GGRT requires upload of additional supporting data that is not required by U.S. EPA
- Must upload spreadsheet if provided
- Validation errors triggered if not included

EQUATION AA-1 SUMMARY AND RESULT

CO₂, CH₄, or N₂O from biomass = (0.90718) * Solids * HHV * EF

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

Result (CO ₂ from biomass)	<input type="text" value="6788"/> (metric tons)	 Use Subpart AA-1 equation spreadsheets to calculate
Result (CH ₄ from biomass)	<input type="text" value="222"/> (metric tons)	 Use Subpart AA-1 equation spreadsheets to calculate
Result (N ₂ O from biomass)	<input type="text" value="222"/> (metric tons)	 Use Subpart AA-1 equation spreadsheets to calculate

Upload the completed Subpart AA-1 equation spreadsheet.

Uploaded File Name	Uploaded By	Date	Delete
No files found.			

EQUATION-LEVEL VALIDATION MESSAGES

Validation Type ¹	Furnace	ID ²	Message ³
Data Completeness	PG Furnace - Paper	AA039	You have not uploaded a Subpart AA-1 equation spreadsheet.

Glass Product Data

- Provide data shown
- Necessary to complete report

Patrick Training Test Facility (2011)

Section 95116 (Subpart N): Glass Production

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

SUBPART N SUMMARY INFORMATION FOR THIS FACILITY

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

Number of furnaces	<input type="text" value="0"/>
Annual quantity of glass produced across all furnaces	<input type="text" value="0"/> (short tons)

ANNUAL QUANTITY OF CARBONATE-BASED RAWMATERIALS CHARGED ACROSS ALL FURNACES

Limestone	<input type="text"/>	(short tons)
Dolomite	<input type="text"/>	(short tons)
Sodium Carbonate	<input type="text"/>	(short tons)
Barium Carbonate	<input type="text"/>	(short tons)
Strontium Carbonate	<input type="text"/>	(short tons)
Lithium Carbonate	<input type="text"/>	(short tons)
Potassium Carbonate	<input type="text"/>	(short tons)

ANNUAL QUANTITY OF PRODUCTS PRODUCED

Annual quantity of fiberglass pulled from the facility	<input type="text"/>	(short tons)
Annual quantity of container glass pulled from the facility	<input type="text"/>	(short tons)
Annual quantity of flat glass pulled from the facility	<input type="text"/>	(short tons)

CANCEL

SAVE

Cal e-GGRT

Online Tool Demonstration

Non-CEMS

- Adding subpart
- Entering Summary and Product data
- Adding non-CEMS information
- Checking Validation Messages
- Questions

Data Validation

- Tool provides data validation
- Most messages must be cleared before report submittal
- Clicking on message brings you to where the issue occurred

ARB Test Facility - TEST ONLY - Production Site (2011)
95115, 95112 (Subpart C) - Stationary Fuel Combustion
[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 Cal e-GGRT Help link(s) provided.

[Print-friendly version](#) 

FACILITY-LEVEL VALIDATION MESSAGES

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

CONFIGURATION-LEVEL VALIDATION MESSAGES

Validation Type ¹	ID ²	Unit Name	Message ³
Data Completeness	C125	PG Single Unit	Annual carbon dioxide emissions from combustion of all biomass fuels combined (if any of the units burn fossil AND biomass). This data element is required.
Data Completeness	C128	PG Single Unit	Annual carbon dioxide emissions from sorbent. This data element is required.

FUEL-LEVEL VALIDATION MESSAGES

Validation Type ¹	ID ²	Unit Name	Fuel Name	Message ³
Data Completeness	C146	PG Single Unit	Natural Gas (Weighted U.S. Average)	Annual carbon dioxide emissions from combustion of the specified fuel. This data element is required.

[← Subpart Overview](#)

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

- Data Completeness: data required for reporting is missing or incomplete.
- Data Quality: data is outside of the range of expected values. The value you have provided is outside the ARB estimated range for this data element. Please double check this value and revise, if necessary. If you believe it to be correct, please submit the value as is.
- Screen Error: a data value or combination of data values prevents Cal e-GGRT from continuing to the next page. Typically, this will not appear on the Validation Report, but instead will be displayed on the data entry page at the time the error was created.

Key Reporting Dates

- See **Key Dates** web page for specific dates applicable to reporting year
- <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep-dates.htm>
- Actual Reporting Dates may differ from dates specified in the regulation if the specified dates fall on a Saturday, Sunday, or Holiday
- **Key Dates** page is updated annually with required submission dates

GHG Reporting Contacts

Subject Matter	Contact
GHG Mandatory Reporting (General)	Dave Edwards , Manager 916.323.4887
Reporting Requirements, Stationary Combustion, Other Sectors (cement, glass, pulp and paper, etc.)	Patrick Gaffney 916.322.7303
Reporting Tool Registration and General Questions	Karen Lutter 916.322.8620
Electricity Generation and Cogeneration Facilities	Anny Huang 916.323.8475
Electricity Retail Providers and Electricity Marketers	Wade McCartney 916.327.0822
Fuel and CO2 Suppliers - Transportation Fuels, Natural Gas, LPG, CO2	Byard Mosher 916.323.1185
Petroleum Refineries, Hydrogen Plants, Oil & Gas Production	Byard Mosher 916.323.1185
Greenhouse Gas Report Verification	Renee Lawver , Manager 916.322.7062
Chief – Greenhouse Gas Emission Inventory Branch	Richard Bode , Chief 916.323-8413

For More Information

- GHG Reporting Website
 - <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm>
- See website for:
 - Regulation reporting guidance and fact sheets
 - Reporting tool information
 - “Clean” copy of the regulation
(no underline/strikeout)
- Email reporting tool questions to:
ghgreport@arb.ca.gov