# Subpart G Emissions Information for Process Units NOT Monitored by CEMS for RY2014 and Later Years

This page provides step-by-step instructions on how to enter and edit Subpart G Ammonia Manufacturing emissions information for process units that are NOT monitored by a Continuous Emissions Monitoring System (CEMS).

#### Step 1: Select a Unit

To select a unit for which to enter emissions data, find the unit in the UNIT SUMMARY table and click OPEN



Separation United States Environmental Protection Agency							
HOME FACILITY REGISTR	ATION FACILITY MANAGEMENT	DATA REPORT	ING		Reporting To		
					Hello, Matt Foley   M	/ Profile   Logout	
😮 e-GGRT Help	Foley Corporation						
Using e-GGRT for Subpart G reporting	Subpart G: Ammoni Subpart Overview	a Manufact	uring (2014)				
	OVERVIEW OF SUBPART R	EPORTING REQU	IIREMENTS				
	Subpart G requires affected fa emissions from each ammoni- identify each ammonia manufa (GHG) data required by Subpa for your facility. For additional	cilities to report ca a manufacturing p acturing process u int G for each amn information about	arbon dioxide (CO: rocess unit. First, init and then enter nonia manufacturin Subpart G reportin	2) process use this page to Greenhouse gas ng process unit and ng, please use the	Subpart G: View V	alidation	
	e-oort help link(s) provided.						
	SUBPART G SUMMARY INFO	RMATION FOR T	HIS FACILITY				
	Annual Urea Prod. (metric tons)	Quantity of CC	)2 used to produc	ce urea (metric Annual tons) tons)	Ammonia Prod. (metric		
						OPEN	
	UNIT SUMMARY						
	Unit Name/Identifier	Feedstock		CO2 (metric tons)	) Status <sup>1</sup>	Delete	
	No units have been added						
	ADD a Unit	pred by CEMS)					
	Unit Name/Identifier		Feedstock	Status <sup>1</sup>		Delete	
	No units have been adde	ed					
	ADD a Unit Monitored by CE	MS					
	★ Facility Overview						
	<sup>1</sup> A status of "Incomplete" means validation messages in your Valid subpart you will not see this link).	that one or more re ation Report by clic	equired data eleme king the "View Valio	nts are incomplete. For det lation" link above (Note: if t	ails, refer to the Data Com here are no validation mes	pleteness sages for this	
Paperwork Reduction Act Burde	n Statement   Contact Us				e-GGRT RY2014.R16   S	PG-OVERVIEW-1	

# Step 2: Access the Inputs Verifier Tool (IVT)

In the Equation Summary and Result section, you will see a block labeled "Use Inputs Verifier to calculate" and a green "Go" button. Click "Go" to open the inputs verifier module for Subpart G.

>> Click this link to expand



## **Step 3: Enter Equation Inputs in IVT**

See Subpart G Entering Equation Inputs Using IVT for instructions on how to enter your equation inputs in the inputs verifier module.

#### Step 4: Monthly substitute data values

For each ammonia manufacturing process unit accepting a gaseous feedstock and for each month, provide the following:

- The method used for determining the quantity of gaseous feedstock consumed (Flow meter or Other) [98.76(b)(3)]
- An indication if the quantity of gaseous feedstock is a substitute data value [98.3(c)(8)]
- An indication if the carbon content of the gaseous feedstock is a substitute data value [98.3(c)(8)]
- An indication if the molecular weight of the gaseous feedstock is a substitute data value [98.3(c)(8)]

For each ammonia manufacturing process unit accepting a liquid feedstock and for each month, provide the following:

- The method used for determining the quantity of liquid feedstock consumed (Flow meter or Other) [98.76(b)(3)]
- An indication if the quantity of liquid feedstock is a substitute data value [98.3(c)(8)]
- An indication if the carbon content of the liquid feedstock is a substitute data value [98.3(c)(8)]

For each ammonia manufacturing process unit accepting a solid feedstock and for each month, provide the following:

- The method used for determining the quantity of solid feedstock consumed (Company records or Other) [98.76(b)(3)]
- An indication if the quantity of solid feedstock is a substitute data value [98.3(c)(8)]
- An indication if the carbon content of the solid feedstock is a substitute data value [98.3(c)(8)]

For each monthly carbon content value provided for gaseous, liquid, or solid feedstocks, provide an indication of the basis for the carbon content value from the following list [98.76(b)(5)]:

- Supplier records
- ASTM D1945-03
- ASTM D1946-90 (Reapproved 2006)
- ASTM D2502-04 (Reapproved 2002)
- ASTM D2503-92 (Reapproved 2007)
- ASTM D3238-95 (Reapproved 2005)
- ASTM D5291-02 (Reapproved 2007)
- ASTM D3176-89 (Reapproved 2002)
- ASTM D5373-08

If any of the carbon content values are based on supplier reports, provide the measured carbon content of the feedstock (in kg C per kg of feedstock) as determined for QA/QC of supplier data under §98.74(e) [98.76(b)(6)]

When finished, click SAVE

If you don't have all the data, you can enter some now, save it, then finish it later

After you save the data on this page, the next time you open the page, the calculator on the top of the page will display the CO<sub>2</sub> process emissions for a unit, rounded to the nearest 0.1 of a metric ton. The value displayed is for informational purposes only

Note: The screenshot below is provided as an example and is for Equation G-1. Screens for Equation G-2 and G-3 will differ slightly.

	tates nental Protection		P-GGRT_
Agency			Electronic Greenhouse Gas
HOME FACILITY REGISTR	ATION FACILITY MANAGEMENT DATA REPORTIN	5	Reporting Tool Hello, Matt Foley   My Profile   Logour
	Foley Corporation		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
e-GGRT Help	Subpart G: Ammonia Manufactur	ring (2014)	
<ul> <li>Using e-GGRT for Subpart G reporting</li> </ul>	Subpart Overview » 4444 » Emissions (Eq. G-1)		
	EQ. G-1 : GHG DATA AND ASSOCIATED INFOR	MATION	
	Use this page to enter the GHG data required by Sul month. For additional information about the data coll GGRT Help link(s) provided.	bpart G for this unit and for each ected on this page, please use the e-	(Eq. G-1) Annual CO <sub>2</sub> emissions arising from feedstock consumption (metric tons).
	FACILITY'S INPUTS VERIFIER FILE		What is the Inputs Verifier File?
	No inputs verifier file exists Instru- Instru	ctions: No Inputs Verifier file exists b of equation inputs. After ente a file copy of the inputs you h important to save a copy b save or store equation inp "What is the Inputs Verifier Fi	ecause you have not yet begun data entry ring equation inputs you will be able to save ave entered to your computer. It is effor you log off as e-GRT will not uts data! For more information use the le? <sup>9</sup> link provided.
	ANNUAL PRODUCTION		
	Annual methanol produced by this unit	(metric tons)	
	EQUATION G-1 SUMMARY AND RESULT		
	$CO_{2,G,k} = \left(\sum_{n=1}^{12} \frac{44}{12}\right)$ Hover over an element	$Fdstk_{n,k} \star CC_n \star \frac{MW}{MVC} > 0.001$	nition of that element.
	Annual CO <sub>2</sub> emissions arising from feedstock consumption for this unit	(metric tons) r to calculate GO	
	JANUARY		
	Volume of feedstock, determination method	Select	Make all months same
	Volume of feedstock, substitute value used		
	Carbon content, basis	Select	Make all months same
	Carbon content, substitute value used	Г	
	Molecular Weight, substitute value used	Г	
	*****	******	*****
	DECEMBER		
	Volume of feedstock, determination method	Select	
	Volume of feedstock, substitute value used		
	Carbon content, basis	Select	
	Carbon content, substitute value used	Г	
	Molecular Weight, substitute value used	Г	
	Measured Carbon Content		
	Measured Carbon Content (from sample analysis) Required if any carbon basis, the resulting mer	content data is based on supplier recor asured carbon content. See §98.76(b)(6	ds. Enter value on an annual 3)

HOME FACILITY REGISTR	RATION FACILITY MANAGEMENT DATA REPORTING		Flootropic Croopbourse Cos
		G	Reporting Tool
			Hello, Matt Foley   My Profile   Logout
😢 e-GGRT Help	Foley Corporation		
Using e-GGRT for Subpart G	Subpart G: Ammonia Manufactul Subpart Overview » 4444 » Emissions (Eq. G-1)	ring (2014)	
reporting			
	EQ. G-1 : GHG DATA AND ASSOCIATED INFOR	MATION boart G for this unit and for each	
	month. For additional information about the data colle GGRT Help link(s) provided.	ected on this page, please use the e-	(Eq. G-1) Annual CO <sub>2</sub> emissions arising from feedstock consumption (metric tons).
	FACILITY'S INPUTS VERIFIER FILE		What is the Inputs Verifier File?
	No inputs verifier file exists Instru	ctions: No Inputs Verifier file exists of equation inputs. After end a file copy of the inputs you! important to save a copy save or store equation in "What is the Inputs Verifier F	because you have not yet begun data entry ering equation inputs you will be able to save have entered to your computer. It is before you log off as e-GGRT will not puts data! For more information use the File?' link provided.
	Annual methanol produced by this unit	(metric tons)	
	EQUATION G-1 SUMMARY AND RESULT		
	$CO_{2,G,k} = \left( \sum_{k=1}^{12} \frac{44}{12} \right)^{k}$	Fdstk <sub>n,k</sub> * CC <sub>n</sub> * MW/MVC ) * 0.001	
	n=1 Hover over an elemer k = Processing unit. n	nt in the equation above to reveal a def	inition of that element.
	Annual CO2 emissions arising from feedstock consumption for this unit	(metric tons) r to calculate GO	
	JANUARY		
	Volume of feedstock, determination method	Select	Make all months same
	Volume of feedstock, substitute value used		
	Carbon content, basis	Select	Make all months same
	Carbon content, substitute value used		
	Molecular Weight, substitute value used	Γ	
			*******
	DECEMBER		
	Volume of feedstock, determination method	Select	
	Carbon content, basis	Select	<b>_</b>
	Carbon content, substitute value used		

c	arbon content, basis	Select	
Carbon content, s	substitute value used		
Molecular Weight, s	substitute value used		
Measured Carbon Content (from sample analysis)	Required if any carbon ( basis, the resulting mea	content data is based on supplier records sured carbon content. See §98.76(b)(6)	s. Enter value on an annual
CANCEL			
perwork Reduction Act Burden Statement   Contact Us			e-GGRT RY2014.R16   SPG-EM-1

## Step 5: Repeat Steps 1-4

Repeat Steps 1-4 until emissions data have been entered for all process units NOT monitored by a CEMS

Back to Top

#### See Also

#### Screen Errors

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

- Subpart G Summary Information for this Facility for RY2014 and Later Years
  Subpart G Process Unit Information for Units NOT Monitored by CEMS for RY2014 and Later Years
- Subpart G Process Unit Information for Units Monitored by CEMS for RY2014 and Later Years
  Subpart G Emissions Information for Process Units NOT Monitored by CEMS for RY2014 and Later Years
  Subpart G Emissions Information for Process Units Monitored by CEMS for RY2014 and Later Years

• Subpart G Entering Equation Inputs Using IVT

Subpart Validation Report