Greenhouse Gas Reporting Program

Data Reported by Facilities Subject to the Direct Emitter Subparts C through II, RR, SS and TT

Notes:

"Emission Data" status means the data element has been determined by rulemaking to meet the definition of "emission data" in 40 CFR 2.301(a)(2)(i). According to the Clean Air Act section 114(c), "emission data" cannot be afforded the protections of Confidential Business Information.

"CBI" status means the data element has been determined by rulemaking to be Confidential Business Information. Any data submitted under 40 CFR part 98 that is classified as Confidential Business Information will be protected under the provisions of 40 CFR part 2, subpart B.

"Not-CBI" status means the data element has been determined through rulemaking to not qualify as Confidential Business Information. A facility cannot claim such data elements to be Confidential Business Information and the data element cannot be handled as Confidential Business Information.

"No determination" status means EPA has not made a confidentiality determination through rulemaking. Any data with a "no determination" status will not be disclosed to the public until the EPA has made a case-by-case determination in accordance with the procedures in 40 CFR part 2, subpart B.

"**Deferred Until 2015**" status means EPA has deferred reporting of the data element until 2015. For additional information, see http://www.epa.gov/ghgreporting/reporters/cbi/index.html.

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(c)(1), 98.3(d)(3)(i), & 98.4(i)(1)	Facility name	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(1) & 98.3(d)(3)(i)	Physical street address of the facility, including the city, state, and zip code	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(1)	If the facility does not have a physical street address, then the facility must provide the latitude and longitude representing the geographic centroid or center point of facility operations in decimal degree format. (Reported beginning RY2013)	Emission Data	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(c)(2) & 98.3(d)(3)(ii)	Year and months covered by the report	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(3) & 98.3(d)(3)(iii)	Date of submittal of the report	Emission Data	76 FR 30782, May 26, 2011

Greenhouse Gas Reporting Program

Data Reported by Facilities Subject to the Direct Emitter Subparts C through II, RR, SS and TT

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(c)(4)(i)	Annual emissions (excluding biogenic CO2) aggregated for all GHGs for all applicable source categories, expressed in metric tons of CO2e calculated using Equation A-1 of this subpart. For electronics manufacturing (as defined in § 98.90), starting in reporting year 2012 the CO2e calculation must include each fluorinated heat transfer fluid (as defined in § 98.98) whether or not it is also a fluorinated GHG.	Emission Data	76 FR 30782, May 26, 2011; 77 FR 51488, August 24, 2012
A - General Reporting Requirements	98.3(c)(4)(ii)	Annual emissions of biogenic CO_2 (metric tons) for all GHGs for all applicable source categories, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(A)	Annual emissions of biogenic CO_2	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(B)	Annual emissions of CO_2 (excluding biogenic CO_2) for all GHGs for all applicable source categories in subparts C through JJ. (All applicable subparts except subpart L)	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(B)	Annual emissions of CO_2 (excluding biogenic CO_2) for all GHGs for all applicable source categories in subparts C through JJ.(subpart L only) (Reported beginning RY2014)	Emission Data	76 FR 30782, May 26, 2011; 77 FR 51488, August 24. 2012; 78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(c)(4)(iii)(C)	Annual emissions of CH_4	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(D)	Annual emissions of N_2O	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(E)	Each fluorinated GHG (as defined in § 98.6), including those not listed in Table A–1 of this subpart. (All applicable subparts except subpart L)	Emission Data	76 FR 30782, May 26, 2011; 77 FR 51488, August 24. 2012
A - General Reporting Requirements	98.3(c)(4)(iii)(E)	Each fluorinated GHG (as defined in § 98.6), including those not listed in Table A–1 of this subpart. (subpart L only) (Reported beginning RY2014)	Emission Data	76 FR 30782, May 26, 2011; 77 FR 51488, August 24. 2012; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(c)(4)(iii)(F)	For electronics manufacturing (as defined in § 98.90), each fluorinated heat transfer fluid (as defined in § 98.98) that is not also a fluorinated GHG as specified under (c)(4)(iii)(E) of this section. (Reported beginning in RY2012).	Emission Data	77 FR 51488, August 24, 2012
A - General Reporting Requirements	98.3(c)(4)(v)	Emissions are from cogeneration units (y/n)?	Not CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(6)	A written explanation, as required under §98.3(e)	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(7)	A brief description of each “best available monitoring method” used	Not CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(7)	The Parameter measured using the method	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(7)	The Time period during which the “best available monitoring method” was used”	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(8)	Data elements for which a missing data procedure was used according to the procedures of an applicable subpart	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(8)	Total number of hours in the year that a missing data procedure was used	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(9) & 98.3(d)(vi)	A signed and dated certification statement provided by the designated representative of the owner or operator, according to the requirements of §98.4(e)(1)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(c)(10)(i)	Primary NAICS code. Report the NAICS code that most accurately describes the facility or supplier's primary product/activity/service. The primary product/activity/service is the principal source of revenue for the facility or supplier. A facility or supplier that has two distinct products/activities/services providing comparable revenue may report a second primary NAICS code.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(10)(ii)	Additional NAICS Codes Report all additional NAICS codes that describe all product(s)/activity(s)/service(s) at the facility or supplier that are not related to the principal source of revenue.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(11)	Legal Name(s) of the highest-level United States parent company(s) as of December 31 of each reporting year for which data is being reported.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(11)	Physical address(es) of the highest-level United States parent company(s) as of December 31 of each reporting year for which data is being reported.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(11)	Percentage of ownership interest for each parent company as of December 31 of each reporting year for which data is being reported.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(12)(i)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions aggregated for all GHG from all applicable source categories, expressed in metric tons of CO2e calculated using Equation A-1. You must include biogenic CO2 emissions from part 75 units , but exclude biogenic CO2 emissions from any non-part 75 units and other source categories.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(12)(ii)	For the 2010 reporting year only, facilities that have part 75 units: annual emission of biogenic CO2, expressed in metric tons (excluding biogenic CO2 emissions from part 75 units), aggregated for all applicable source categories.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(12)(iii)(A)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of biogenic CO2 (excluding biogenic CO2 emissions from part 75 units.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(c)(12)(iii)(B)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of CO2. You must include biogenic CO2 emissions from part 75 units in these totals and exclude biogenic CO2 emissions from other non-part 75 units and other source categories.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(12)(iii)(C)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of CH4	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(12)(iii)(D)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of N2O	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(12)(iii)(E)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of each fluorinated GHG (including those not listed in Table A-1 of this subpart).	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(c)(13)	An indication of whether the facility includes one or more plant sites that have been assigned a "plant code" (as defined under §98.6) by either the Department of Energy's Energy Information Administration or by the EPA's Clean Air Markets Division. (Reported beginning in RY2013)	Emission Data	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Name of person to contact about the request	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Address of contact person	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request -Telephone number of contact person	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - E-mail address of contact person	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Date request was signed	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Date request was submitted	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Facility name	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Physical address of facility	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Unit or group ID	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Common pipe or common stack ID	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request -Type of unit (e.g., boiler, process heater, cement kiln)	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Total number of units included in application	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Description of monitoring equipment (e.g., liquid flow meter)	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Parameter for which instrumentation is needed (e.g., fuel combusted)	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Location of unit with monitor or sampling location (e.g., fuel flow diagram)	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(d)(2)(ii)(B)	BAMM Extension Request - Rule subpart that requires monitoring of parameter. Identification of the specific rule requirements (by rule subpart, section, and paragraph) for which the instrumentation is needed.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(B)	BAMM Extension Request - Rule citation that requires monitoring of parameter	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(C)	BAMM Extension Request - Reason for the extension request	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Date equipment ordered	Not CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Information on alternative suppliers and alternative delivery dates investigated	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Backorder notices or unexpected delays information from supplier	Not CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Supporting documentation demonstrating that it is not practicable to isolate the equipment and install monitoring instrument without a full process unit shutdown.	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Date of the most recent process unit shutdown	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Frequency of shutdowns for this process unit	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Date of the next planned shutdown during which the monitoring equipment can be installed	CBI	76 FR 30782, May 26, 2011

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Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Was there a shutdown or is there a planned process unit shutdown between October 30, 2009 and April 1, 2010?	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - If planned shutdown occurred between October 30, 2009 and April 1, 2010, explanation of why equipment was not or cannot be obtained and installed during the shutdown	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(D) & (F)	BAMM Extension Request: Description of the specific actions the facility will take to obtain and install the equipment as soon as reasonably feasible	Not CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(D) & (F)	BAMM Extension Request: The expected date by which the equipment will be installed and operating.	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(2)(ii)(F)	BAMM Extension Request: Anticipated date on which facility will begin using the full monitoring methods in the rule	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CO2e	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CO2	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH4	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of N2O	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(d)(3)(v)	Any facility operating data or process information used for the GHG emission calculations	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(e)	Written explanation for why a change in methodology was required	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(h)(2)	Provide information demonstrating that the previously submitted report does not contain the identified substantive error or that the identified error is not a substantive error.	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(j)(4)(i)	For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include specific measurement device for which the request is being made. (For facilities Required to report under subpart P, subpart X or subpart Y)	Not CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(j)(4)(i)	For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: report the location where each measuring device will be installed. (For facilities Required to report under subpart P, subpart X or subpart Y)	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(j)(4)(ii)	For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: provide identification of the specific rule requirements (by rule subpart, section, and paragraph numbers) requiring the measurement device. (For facilities Required to report under subpart P, subpart X or subpart Y)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(j)(4)(iii)	For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include a description of the reasons why the needed equipment could not be installed before April 1, 2010, in cases where a request for extension of use of best available monitoring methods was not submitted to EPA, or by the expiration date for the use of best available monitoring methods, in cases where an extension has been granted under §98.3(d). (For facilities Required to report under subpart P, subpart X or subpart Y)	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(j)(4)(iv)	For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the monitoring equipment without a full shutdown, and that there was no opportunity during 2010 to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit, the frequency of shutdowns for each relevant process equipment or unit, and the date of the next planned process equipment or unit shutdown. (For facilities Required to report under subpart P, subpart X or subpart Y)	CBI	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(j)(4)(v)	For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include a description of the proposed best available monitoring method for estimating GHG emissions prior to installation of the meter. (For facilities Required to report under subpart P, subpart X or subpart Y)	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.3(l)(2)(ii)(A)	Special Provision for BAMM in 2014: A list of specific items of monitoring instrumentation for which the request is being made (Reported in RY2014 only)	Emission Data	78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(l)(2)(ii)(A)	Special Provision for BAMM in 2014: Locations where each piece of monitoring instrumentation will be installed (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(B)	Special Provision for BAMM in 2014: Identification of the specific rule requirements (by rule subpart, section, and paragraph numbers) for which the instrumentation is needed. (Reported in RY2014 only)	Emission Data	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(C)	Special Provision for BAMM in 2014: A description of the reasons that the needed equipment could not be obtained and installed before April 1, 2014. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(D)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be purchased and delivered by April 1, 2014, supporting documentation including: the data the monitoring equipment was ordered. (Reported in RY2014 only)	Not CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(D)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be purchased and delivered by April 1, 2014, supporting documentation including: investigation of alternative suppliers. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(D)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be purchased and delivered by April 1, 2014, supporting documentation including: dates by which alternative vendors promised delivery. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(D)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be purchased and delivered by April 1, 2014, supporting documentation including: Backorder notices or unexpected delays. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(l)(2)(ii)(D)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be purchased and delivered by April 1, 2014, supporting documentation including: Descriptions of actions taken to expedite delivery. (Reported in RY2014 only)	Not CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(D)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be purchased and delivered by April 1, 2014, supporting documentation including: the current expected date of delivery. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(E)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be installed without a process unit shutdown, include supporting documentation demonstrating that it is not practicable to isolate the equipment and install the monitoring instrumentation without a full process unit shutdown.(Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(E)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be installed without a process unit shutdown, include the date of the most recent process unit shutdown.(Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(E)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be installed without a process unit shutdown, include the frequency of shutdowns for this process unit. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(E)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be installed without a process unit shutdown, include the date of the next planned shutdown during which monitoring equipment can be installed. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.3(l)(2)(ii)(E)	Special Provision for BAMM in 2014: If the reason for the extension is that the equipment cannot be installed without a process unit shutdown: If there has been a shutdown or if there is a planned process unit shutdown between November 29, 2013 and April 1, 2014, include justification of why the equipment could not be obtained and installed during the shutdown. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(F)	Special Provision for BAMM in 2014: A description of the specific actions the facility will take to obtain and install the equipment as soon as reasonably feasible. (Reported in RY2014 only)	Not CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.3(l)(2)(ii)(F)	Special Provision for BAMM in 2014: the expected date by which the equipment will be installed and operating. (Reported in RY2014 only)	CBI	78 FR 71904, November 29, 2013
A - General Reporting Requirements	98.4(i)(2)	Name of the designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	Address of the designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	Facsimile transmission number of the designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	Name of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
A - General Reporting Requirements	98.4(i)(2)	Address of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(2)	Facsimile transmission number of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(3)	A list of the owners and operators of the facility	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(4)	Certification statements in 98.4(i)(4)	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(5)	Signature of the designated representative and date signed	Emission Data	76 FR 30782, May 26, 2011
A - General Reporting Requirements	98.4(i)(5)	Signature of the alternate designated representative (if any) and date signed	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(1)	Unit ID number	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(2)	Code representing the type of unit	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(3)	Maximum rated heat input capacity of the unit in mmBtu/hr.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(4)	Types of fuel combusted during the report year.	Emission Data	76 FR 30782, May 26, 2011

Greenhouse Gas Reporting Program

Data Reported by Facilities Subject to the Direct Emitter Subparts C through II, RR, SS and TT

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(b)(5)	Methodology (i.e., Tier) used to calculate the CO_2 emissions for each type of fuel combusted	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(6)	Methodology start date for each fuel type	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(7)	Methodology end date for each fuel type	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: Report the annual CO_2 mass emissions (including biogenic CO_2) for each type of fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual CH_4 mass emissions in metric tons of gas for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36b8i	For a unit that uses Tiers 1, 2, or 3: report: report the annual CH_4 mass emissions in metric tons of CO_2e for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual N_2O mass emissions in metric tons of gas for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual N_2O mass emissions in metric tons of CO_2e for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(8)(ii)	For a unit that uses Tiers 1, 2, or 3: report the metric tons of biogenic CO2 emissions (if applicable).	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(9)(i)	For each unit that uses Tier 4: If the total annual CO_2 mass emissions measured by the CEMS consists entirely of non-biogenic CO_2 (i.e., CO_2 from fossil fuel combustion plus, if applicable, CO_2 from sorbent and/or process CO_2), report the total annual CO_2 mass emissions, expressed in metric tons. You are not required to report CO_2 emissions by fuel type.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(b)(9)(ii)	Report the total annual CO_2 mass emissions measured by the CEMS. If this total includes both biogenic and non-biogenic CO_2 mass emissions, separately report the annual non-biogenic CO_2 mass emissions, expressed in metric tons. You are not required to report the combustion CO_2 emissions by fuel type.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(9)(ii)	Report the total annual CO_2 mass emissions measured by the CEMS. If this total includes both biogenic and non-biogenic CO_2 mass emissions, separately report the annual CO_2 mass emissions from biomass combustion, expressed in metric tons. You are not required to report the combustion CO_2 emissions by fuel type.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(9)(iii)	Estimate of the heat input from each type of fuel listed in Table C-2 that was combusted in the unit during the report year	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(b)(9)(iii)	Annual CH_4 emissions for each of these fuels.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(9)(iii)	Annual CH_4 emissions (CO_2e) for each of these fuels.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(9)(iii)	Annual N_2O emissions for each of these fuels	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(9)(iii)	Annual N_2O emissions (CO_2e) for each of these fuels.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(10)	Annual CO_2 emissions from sorbent	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(b)(11)	If applicable, the plant code (as defined in §98.6). (Report beginning in 2013)	Emission Data	78 FR 71904, November 29, 2013
C - Stationary Combustion	98.36(c)(1)(i)	Group ID number	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(iv)	Highest maximum rated heat input capacity of any unit in the group	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(v)	Each type of fuel combusted in the group of units during the reporting year	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(1)(vi)	Annual CO_2 mass emissions (CO2e) for each type of fuel combusted in the group during the report year	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	Annual CH_4 mass emissions for each type of fuel combusted in the group during the report year expressed in metric tons of gas.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	Annual CH_4 mass emissions expressed in metric tons of CO_2e for each type of fuel combusted in the group during the report year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	Annual N_2O mass emissions expressed in metric tons of gas for each type of fuel combusted in the group during the report year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	Annual N_2O mass emissions expressed in metric tons of CO_2e for each type of fuel combusted in the group during the report year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	If any of the units burn both fossil fuels and biomass, report annual CO_2 emissions from combustion of fossil fuels combined	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	If any of the units burn both fossil fuels and biomass, report annual CO_2 emissions from combustion of all biomass fuels combined.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(vii)	Methodology (i.e., Tier) used to calculate the CO_2 mass emissions	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(viii)	Methodology start date for each fuel type	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(ix)	Methodology end data for each fuel type	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(x)	Calculated CO_2 mass emissions from sorbent expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(1)(xi)	If applicable, the plant code (as defined in §98.6). (Report beginning in 2013)	Emission Data	78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(2)(i)	When the flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report the common stack or duct identification number, beginning with the prefix “CS”.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(ii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in discharged through a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report “1” when the flue gas flowing through the common stack or duct includes combustion products and/or process off-gases, and all of the effluent comes from a single unit (e.g., a furnace, kiln, petrochemical production unit, or smelter).	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(2)(iii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Combined maximum rated heat input capacity of the units sharing the common stack or duct. This data element is required only when all of the units sharing the common stack are stationary fuel combustion units.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(iv)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Each type of Fuel combusted in the units during the year	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(2)(v)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. The methodology (tier) used to calculate the CO_2 mass emissions, i.e., Tier 4	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(vi)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report the methodology start date.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(2)(vii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report the methodology end date.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(viii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report total annual CO_2 mass emissions measured by the CEMS, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(2)(viii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. If any of the units burn both fossil fuels and biomass, separately report the annual non-biogenic CO_2 emissions (i.e., CO_2 emissions from fossil fuel combustion plus, if applicable, CO_2 emissions from sorbent and/or process CO_2) and the annual CO_2 emissions from biomass combustion, each expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in discharged through a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. An estimate of the heat input from each type of fuel listed in Table C-2 combusted during the reporting year.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. CH_4 emissions in metric tons of gas.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. CH_4 emissions in metric tons of CO_2e.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. N_2O emissions in metric tons of gas.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. N_2O emissions in metric tons of CO_2e.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(2)(xi)	If applicable, the plant code (as defined in §98.6). (Report beginning in 2013)	Emission Data	78 FR 71904, November 29, 2013
C - Stationary Combustion	98.36(c)(3)(i)	Common pipe identification number, beginning with the prefix “CP”.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(iii)	When the common pipe reporting option is selected, report the highest maximum rated heat input capacity of any unit served by the common pipe	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(c)(3)(iv)	Fuels combusted in the units during the reporting year	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(v)	Methodology used to calculate the CO_2 mass emissions	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(vi)	Annual CO_2 mass emissions from combustion of all fossil fuels	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(vi)	Annual CO_2 emissions from combustion of all biomass fuels	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual CO_2 mass emissions from each fuel type for the units served by the common pipe, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual CH_4 emissions from each fuel type for the units served by the common pipe, expressed in metric tons of gas.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual N_2O emissions from each fuel type for the units served by the common pipe, expressed in metric tons of gas.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual CH_4 emissions from each fuel type for the units served by the common pipe, expressed in metric tons of CO_2e.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual N_2O emissions from each fuel type for the units served by the common pipe, expressed in metric tons of CO_2e.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(viii)	When the common pipe reporting option is selected, report the methodology start date	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(ix)	When the common pipe reporting option is selected, report the methodology end date	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(c)(3)(x)	If applicable, the plant code (as defined in §98.6). (Report beginning in 2013)	Emission Data	78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(d)(1)(i)	For stationary combustion units that are subject to part 75 or this chapter: Report the unit or stack identification numbers (same unit, common stack, common pipe, or multiple stack identification numbers that represent the monitored locations (e.g., 1, 2, CS001, MS1A, CP001, etc.) that are reported under §75.64 of this chapter.)	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(ii)	For stationary combustion units that are subject to subpart D of this part. Annual CO_2 emissions at each monitored location, expressed in both short tons and metric tons. Separate reporting of biogenic CO2 under 98.3(c)(4)(ii) and 98.3(c)(4)(iii)(A) is optional only for the 2010 reporting year, as provided in 98.3(c)(12). Subpart D units are not required to report biogenic CO2 emissions under 98.3(c)(4)(ii) and 98.3(c)(4)(iii)(A).	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(iii)	For stationary combustion units that are subject to subpart D of this part: Annual CH_4 emissions at each monitored location, for each fuel type listed in Table C-2 that was combusted during the year (except as otherwise provided in 98.33(c)(4)(ii)(B)), expressed in metric tons of CO2e	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(iii)	For stationary combustion units that are subject to subpart D of this part: Annual N_2O emissions at each monitored location, for each fuel type listed in Table C-2 that was combusted during the year (except as otherwise provided in 98.33(c)(4)(ii)(B)), expressed in metric tons of CO2e	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(iv)	For stationary combustion units that are subject to subpart D: The total heat input from each fuel listed in Table C-2 of Subpart C combusted during the year (except as otherwise provided in 98.33(c)(4)(ii)(B)), expressed in mmBtu.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(d)(1)(v)	For stationary combustion units that are subject to subpart D of this part: Identification of the Part 75 methodology used to determine the CO2 mass emissions	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(vi)	For stationary combustion units that are subject to subpart D of this part : Methodology start date	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(d)(1)(vii)	For stationary combustion units that are subject to subpart D of this part : Methodology end date	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(viii)	For stationary combustion units that are subject to subpart D of this part : Acid Rain Program indicator	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(ix)	For stationary combustion units that are subject to subpart D of this part : Annual CO2 mass emissions from the combustion of biomass, expressed in metric tons of CO2e, except where the reporting provisions of 98.3(c)(12)(i) through 98.3(c)(12)(iv) are implemented for the 2010 reporting year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(1)(x)	If applicable, the plant code (as defined in §98.6). (Report beginning in 2013)	Emission Data	78 FR 71904, November 29, 2013
C - Stationary Combustion	98.36(d)(2)(i)	For units that use the alternative CO2 mass emissions calculation methods provided in §98.33(a)(5), report the unit, stack, or pipe ID number (exact same unit, common stack, common pipe or multiple stack identification numbers that represent the monitored locations (e.g., 1, 2, CS001, MS1A, CP001, etc.) that are reported under §75.64 of this chapter)	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(B)	The methodology used to calculate the CO_2 mass emissions for each fuel type	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(C)	Units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to 40 CFR part 75 or 40 CFR 75.19; If subject to 40 CFR part 75; use the alternative CO2 mass emissions calculation methods provided in §98.33(a)(5), report the Methodology start date	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(d)(2)(ii)(D)	Units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to 40 CFR part 75 or 40 CFR 75.19; If subject to 40 CFR part 75; use the alternative CO2 mass emissions calculation methods provided in §98.33(a)(5), report the Methodology end date.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(E)	A code or flag to indicate whether heat input is calculated according to appendix D to 40 CFR part 75 or 40 CFR 75.19	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(F)	CO_2 emissions (CO_2e)	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(G)	For Subpart D units that use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to part 75 or §75.19 of this chapter; Report annual heat input from each type of fuel listed in Table C-2 of subpart C that was combusted during the reporting year, expressed in mmBtu.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(d)(2)(ii)(H)	For units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to part 75 of this chapter or 75.19 of this chapter; Report CH_4 emissions at each monitored location, from each fuel type listed in Table C-2 of this subpart that was combusted during the reporting year (except as otherwise provided in 98.33(c)(4)(ii)(D), expressed in metric tons CO_2e	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(H)	For units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to part 75 of this chapter or 75.19 of this chapter; Report N_2O emissions at each monitored location, from each fuel type listed in Table C-2 of this subpart that was combusted during the reporting year (except as otherwise provided in 98.33(c)(4)(ii)(D), expressed in metric tons CO2e.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(d)(2)(ii)(I)	For units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to part 75 of this chapter or 75.19 of this chapter; Report Annual CO_2 mass emissions from the combustion of biomass, expressed in metric tons CO2e, except where the reporting provisions of §98.3(c)(12)(i) through (c)(12)(iv) are implemented for the 2010 reporting year.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(J)	If applicable, the plant code (as defined in §98.6). (Report beginning in 2013)	Emission Data	78 FR 71904, November 29, 2013
C - Stationary Combustion	98.36(d)(2)(iii)(A)	Each type of fuel combusted during the reporting year.	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(B)	Methodology used to calculate the CO2 mass emissions.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(C)	Methodology start date.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(D)	Methodology end date.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(E)	A code or flag to indicate that the heat input data is derived from CEMS measurements	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(F)	CO_2 emissions (CO_2e)	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(G)	For Subpart D units with CEMS that use the alternative methods specified in §98.33(a)(5)(iii) to monitor and report heat input data year-round according Part 75: report Annual heat input from each type of fuel listed in Table C-2 of subpart C combusted during the reporting year, expressed in mmBtu.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(d)(2)(iii)(H)	Annual CH_4 emissions in CO_2e	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(H)	Annual N_2O emissions in CO_2e	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(d)(2)(iii)(I)	Annual CO_2 mass emissions from the combustion of biomass, expressed in metric tons CO_2e, except where the reporting provisions of 98.3(c)(12)(i) through (c)(12)(iv) are implemented for the 2010 reporting year	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(J)	If applicable, the plant code (as defined in §98.6). (Report beginning in 2013)	Emission Data	78 FR 71904, November 29, 2013
C - Stationary Combustion	98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(ii)(A)	For Tier 2: Total quantity of each type of fuel combusted in the unit or group of aggregated units (as applicable) during each month of the reporting year. Express the quantity of each fuel combusted during the measurement period in short tons for solid fuels, gallons for liquid fuels, and scf for gaseous fuels.	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(ii)(B)	Frequency of the HHV determinations	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(ii)(C)	High heat values used in the CO_2 emissions calculations for each fuel combusted during the reporting year. Report a HHV value for each calendar month in which HHV determination is required. If multiple values are obtained in a given month, report the arithmetic average value for the month.	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(ii)(C)	Indicate whether each reported HHV is a measured value or a substitute data value	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(ii)(D)	If Eq. C-2c is used: Total quantity (i.e., pounds) of steam produced from MSW or solid fuel combustion during each month of the reporting year,	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(ii)(D)	If Eq. C-2c is used: Ratio of the maximum rate heat input capacity to the design rated steam output capacity of the unit	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(B)	Frequency of carbon content determinations	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(B)	Frequency of Molecular weight determinations	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(C)	The carbon content used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month.	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(C)	Gas molecular weight values used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month.	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(D)	Total number of valid carbon content determinations made during the reporting year	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(D)	Total number of valid molecular weight determinations made during the reporting year	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(E)	Total number of substitute data values used for carbon content determinations made during the reporting year	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(E)	Total number of substitute data values used for molecular weight determinations made during the reporting year	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(e)(2)(iv)(F)	Gas molecular weight values used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month.	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(G)	The value of the molar volume constant (MVC) at standard conditions used in Eq. C-5	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(vi)(A)	The total number of source operating hours in the reporting year.	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(vi)(B)	Cumulative CO_2 mass emissions	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(vi)(C)	Percentage of source operating hours in which a substitute data value of CO2 concentration was used in the emissions calculations	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(vi)(C)	Percentage of source operating hours in which a substitute data value of stack gas flow rate was used in the emissions calculations	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(vi)(C)	Percentage of source operating hours in which a substitute data value of stack gas moisture content was used in the emissions calculations	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(viii)(A)	Total amount of sorbent used in acid gas control devices during the report year	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(viii)(B)	The molecular weight of the sorbent.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(viii)(C)	The ratio (“R”) in Equation C-11 . This is the ratio of moles of CO_2 released per mole of the acid gas species removed (a default factor of 1 is used where the sorbent is $CaCaO_3$ and the acid gas is SO_2)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(e)(2)(ix)(A)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report annual volume of CO_2 emitted from the combustion of all fuels, i.e., Vtotal	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(B)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report annual volume of CO_2 emitted	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(B)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report annual volume of CO2 emitted from the combustion of fossil fuels	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(C)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report annual volume of CO_2 emitted from the combustion of biomass, i.e., Vbio	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(D)	For units that combust both fossil fuel and biomass, when biogenic CO2 is determined according to §98.33(e)(2), report the carbon-based F-factor used in Equation C-13 of this subpart	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(E)	For units that combust both fossil fuel and biomass, when biogenic CO2 is determined according to §98.33(e)(2), report the annual average HHV value used in Equation C-13 of this subpart	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(F)	For units that combust both fossil fuel and biomass, when biogenic CO2 is determined according to §98.33(e)(2), report the total quantity of fossil fuel combusted during the reporting year.	Deferred Until 2015	76 FR 53057, August 25, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(G)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report the annual biogenic CO_2 mass emissions.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(e)(2)(x)(A)	When ASTM methods D7459-08 (incorporated by reference, see 98.7) and D6866-08 (incorporated by reference, see 98.7) are used to determine the biogenic portion of the annual CO2 emissions from MSW combustion, as described in 98.34(d), report the results of each quarterly sample analysis.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(x)(B)	When ASTM methods D7459-08 (incorporated by reference, see 98.7) and D6866-08 (incorporated by reference, see 98.7) used to determine the biogenic portion of the annual CO_2 emissions from MSW combustion, as described in 98.34(d), report the annual biogenic CO_2 mass emissions from MSW combustion, in metric tons	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(2)(xi)	When ASTM methods D7459-08 (incorporated by reference, see 98.7) and D6866-08 (incorporated by reference, see 98.7) are used in accordance with 98.34(e) to determine the biogenic portion of the annual CO2 emissions from a unit that co-fires biogenic fuels (or partly-biogenic fuels, including tires if you are electing to report biogenic CO2 emissions from tire combustion) and non-biogenic fuels: Report the results of quarterly sample analysis.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
C - Stationary Combustion	98.36(e)(3)(i)	Within 30 days of receipt of a written request from the Administrator, submit an explanation of how company records are used to quantify fuel consumption	CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(3)(ii)	Within 30 days of receipt of a written request from the Administrator, submit an explanation of how company records are used to quantify fuel consumption	CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(3)(iii)	Within 30 days of receipt of a written request from the Administrator, submit an explanation of how sorbent usage is quantified.	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(e)(3)(iv)	Within 30 days of receipt of a written request from the Administrator, submit an explanation of how company records are used to quantify fossil fuel consumption in units that uses CEMS to quantify CO2 emissions and combusts both fossil fuel and biomass.	CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(3)(v)	Within 30 days of receipt of a written request from the Administrator, submit an explanation of how company records are used to measure steam production, when it is used to calculate CO2 mass emissions under §98.33(a)(2)(iii) or to quantify solid fuel usage under §98.33(c)(3).	CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(iii). (i.e., methods used to determine the HHV for each type of fuel combusted, except where fuel sampling data are received from the fuel supplier).	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(iii) (i.e., the date on which each fuel sample was taken)	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(A): the dates and results of the initial calibrations and periodic recalibrations of the required fuel flow meters.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(B): the method from §98.34(b) used to make tank drop measurements (if applicable).	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(C): The methods used to determine the carbon content for each type of fuel combusted.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(C): The methods used to determine the molecular weight for each type of fuel combusted.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(D): The methods used to calibrate the fuel flow meters.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(E): The date on which each fuel sample was taken, except where fuel sampling data are received from the fuel supplier.	Not CBI	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(A): Whether the CEMS certification and quality assurance procedures of part 75 of this chapter, part 60 of this chapter, or an applicable State continuous monitoring program were used.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(B): The dates of the initial certification tests of the CEMS.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(B): results of the initial certification tests of the CEMS.	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(C): The dates of the major quality assurance tests performed on the CEMS during the reporting year, i.e., linearity checks, cylinder gas audits, and relative accuracy test audits (RATAs).	Emission Data	76 FR 30782, May 26, 2011
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(C): the results of the major quality assurance tests performed on the CEMS during the reporting year, i.e., linearity checks, cylinder gas audits, and relative accuracy test audits (RATAs).	Emission Data	76 FR 30782, May 26, 2011
D - Electricity Generation	98.46	Data reporting requirements specified in §98.36(d)(1)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(a)	Annual process N_2O emissions from adipic acid production	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(b)	Annual adipic acid production	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(c)	Annual adipic acid production during which N_2O abatement technology (located after the test point) is operating	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(d)	Annual process N_2O emissions from adipic acid production that is sold or transferred off site	See entries for Subpart OO in the suppliers table	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
E - Adipic Acid Production	98.56(e)	Number of abatement technologies	Not CBI	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(f)	Types of abatement technologies used	Not CBI	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(g)	Abatement technology destruction efficiency for each abatement technology	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(h)	Abatement utilization factor for each abatement technology (fraction of annual production that abatement technology is operating)	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(i)	Number of times in the reporting year that missing data procedures were followed to measure adipic acid production	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(j)(1)	Emission factor for each unit	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(j)(2)	Test method used for performance test for each unit	Not CBI	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(j)(3)	Production rate per test run during performance test for each unit	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(j)(4)	N_2O concentration per test run during performance test for each unit	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(j)(5)	Volumetric flow rate per test run during performance test for each unit	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(j)(6)	Number of test runs for each unit	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.56(j)(7)	Number of times in the reporting year that a performance test had to be repeated for each unit	Not CBI	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(k)(1)	Name of alternative method for determining N_2O concentration (report if Administrator approval was requested for an alternative method of determining N2O emissions)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
E - Adipic Acid Production	98.56(k)(2)	Description of alternative method for determining N_2O concentration (report if Administrator approval was requested for an alternative method of determining N2O emissions)	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(k)(3)	Request date of approval for alternative method for determining N_2O concentration (report if Administrator approval was requested for an alternative method of determining N2O emissions)	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(k)(4)	Approval date of alternative method of determining N_2O concentration (report if Administrator approval was requested for an alternative method of determining N2O emissions)	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.56(l)	Fraction control factor for each abatement technology (percent of total emissions from the production unit that are sent to the abatement technology) if equation E-3c is used.	Deferred Until 2015	76 FR 53057, August 25, 2011
E - Adipic Acid Production	98.53(a)(2)	Name of persons to contact about application	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Contact person address	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Contact person phone number	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Contact person e-Mail address	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Contact person data signed	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Contact person data submitted	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Facility name	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Facility physical address	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Unit ID number	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
E - Adipic Acid Production	98.53(a)(2)	Type of unit (e.g., nitric acid train)	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Total number of units at facility included in this application	Not CBI	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Name of alternative method	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Reason for your application	Emission Data	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Supplemental data supporting alternative method[3]	No Determination	76 FR 30782, May 26, 2011
E - Adipic Acid Production	98.53(a)(2)	Description of alternative method	Emission Data	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(a)	Annual aluminum production	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(b)	Type of smelter technology used	Emission Data	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(c)(1)	Perfluoromethane emissions from anode effects for all prebake and all Søderberg electrolysis cells combined.	Emission Data	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(c)(1)	Perfluoroethane emissions from anode effects for all prebake and all Søderberg electrolysis cells combined.	Emission Data	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(c)(2)	Anode effect minutes per cell-day	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(c)(2)	Anode effect overvoltage factor	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(c)(2)	Anode effect frequency	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(c)(2)	Potline overvoltage	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(c)(2)	Anode effect duration	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(c)(2)	Current efficiency	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
F - Aluminum Production	98.66(c)(3)	Smelter-specific slope coefficients	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(c)(3)	Overvoltage emission factors	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(c)(3)	Last date when the smelter-specific-slope coefficients were measured	Not CBI	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(c)(3)	Last date when the overvoltage emission factors were measured	Not CBI	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(d)	Method used to measure the frequency and duration of anode effects	Not CBI	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(d)	Method used to measure the overvoltage	Not CBI	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(e)(1)	Annual anode consumption (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(e)(1)	Annual anode consumption (CEMS)	CBI	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(e)(2)	Annual CO_2 emissions from the smelter	Emission Data	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(f)(1)	Annual paste consumption (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
F - Aluminum Production	98.66(f)(1)	Annual paste consumption (CEMS)	CBI	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(f)(2)	Annual CO_2 emissions from the smelter	Emission Data	76 FR 30782, May 26, 2011
F - Aluminum Production	98.66(g)	Annual smelter-specific inputs to the CO_2 process equations that were used in the calculation	Deferred Until 2015	76 FR 53057, August 25, 2011
G - Ammonia Manufacturing	98.76(a)	If a CEMS is used to measure CO2 emissions, then you must report the relevant information required under §98.36 for the Tier 4 Calculation Methodology.	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(a)(1)	Annual quantity of each type of feedstock consumed for ammonia manufacturing	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
G - Ammonia Manufacturing	98.76(a)(2)	Method used for determining quantity of feedstock (CEMS)	Not CBI	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(b)(1)	Annual CO_2 process emissions	Emission Data	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(a) & (b)(1)	Annual CO_2 process emissions (where all or part of the process CO2 generated are collected for use onsite or transfer offsite)	Not CBI	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(b)(2)	Monthly quantity of each feedstock consumed for ammonia manufacturing for each ammonia processing unit	Deferred Until 2015	76 FR 53057, August 25, 2011
G - Ammonia Manufacturing	98.76(b)(3)	Method used for determining quantity of monthly feedstock used (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(b)(4)	Indicate whether carbon content for the feedstock for month n is based on reports from the supplier or analysis of carbon content	Not CBI	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(b)(5)	Carbon content test method for month n	Not CBI	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(b)(6)	Sampling analysis results of carbon content of feedstock as determined from QA/QC of supplier data under 78.74(e)	CBI	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(b)(7)	Carbon content of the gaseous feedstock, for month n	Deferred Until 2015	76 FR 53057, August 25, 2011
G - Ammonia Manufacturing	98.76(b)(8)	Molecular weight of the gaseous feedstock	Deferred Until 2015	76 FR 53057, August 25, 2011
G - Ammonia Manufacturing	98.76(b)(9)	Molar volume conversion factor of the gaseous feedstock	Deferred Until 2015	76 FR 53057, August 25, 2011
G - Ammonia Manufacturing	98.76(b)(10)	Carbon content of the liquid feedstock, for month n	Deferred Until 2015	76 FR 53057, August 25, 2011
G - Ammonia Manufacturing	98.76(b)(11)	Carbon content of the solid feedstock, for month n	Deferred Until 2015	76 FR 53057, August 25, 2011
G - Ammonia Manufacturing	98.76(b)(12)	Annual urea production	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
G - Ammonia Manufacturing	98.76(b)(12)	Method used to determine urea production	Not CBI	76 FR 30782, May 26, 2011
G - Ammonia Manufacturing	98.76(b)(13)	Annual CO_2 emissions (metric tons) from the steam reforming of a hydrocarbon or the gasification of solid and liquid raw material at the ammonia manufacturing process unit used to produce urea.	CBI	76 FR 30782, May 26, 2011. 78 FR 71904, November 29, 2013
G - Ammonia Manufacturing	98.76(b)(13)	Method used to determine the CO_2 consumed in urea production.	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
H - Cement Production	98.86(a)(1)	Monthly clinker production from each kiln at the facility (CEMS)	CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(a)(2)	Monthly cement production from each kiln at the facility (Reported in RY2010, RY2011, and RY2012 only)	CBI	76 FR 30782, May 26, 2011; removed by 78 FR 71904, November 29, 2013
H - Cement Production	98.86(a)(2)	Annual facility cement production (Reported beginning in RY2013)	CBI	78 FR 71904, November 29, 2013
H - Cement Production	98.86(a)(3)	Number of cement kilns (CEMS)	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(a)(3)	Number of operating kilns (CEMS)	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(1)	Kiln identification number (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(2)	Monthly clinker production for each kiln (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(3)	Annual cement production at the facility (No CEMS)	CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(4)	Number of cement kilns (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(4)	Number of operating kilns (No CEMS)	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
H - Cement Production	98.86(b)(5)	Quarterly quantity of CKD not recycled to the kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(6)	Monthly fraction of total CaO in clinker	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(6)	Monthly fraction of total MgO in clinker	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(6)	Monthly fraction of non-calcined CaO in clinker	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(6)	Monthly fraction of non-calcined MgO in clinker	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(7)	Method used to determine non-calcined CaO in clinker	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(7)	Method used to determine non-calcined MgO in clinker	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(8)	Quarterly fraction of total CaO in CKD not recycled to the kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(8)	Quarterly fraction of total MgO in CKD not recycled to the kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(8)	Quarterly fraction of non-calcined CaO in CKD not recycled to the kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(8)	Quarterly fraction of non-calcined MgO in CKD not recycled to the kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(9)	Method used to determine non-calcined CaO in CKD	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(9)	Method used to determine non-calcined MgO in CKD	Not CBI	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(10)	Monthly kiln-specific clinker CO_2 emission factors for each kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(11)	Quarterly kiln-specific CKD CO_2 emission factors for each kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(12)	Annual organic carbon content of each raw kiln feed or annual organic carbon content of each raw material	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
H - Cement Production	98.86(b)(13)	Annual consumption of each raw kiln feed or annual consumption of each raw material	Deferred Until 2015	76 FR 53057, August 25, 2011
H - Cement Production	98.86(b)(14)(i)	Number of times missing data procedures were used to determine clinker production	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(14)(ii)	Number of times missing data procedures were used to determine carbonate contents of clinker	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(14)(iii)	Number of times missing data procedures were used to determine non-calcined content of clinker	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(14)(iv)	Number of times missing data procedures were used to determine CKD not recycled to kiln	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(14)(v)	Number of times missing data procedures were used to determine non-calcined content of CKD	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(14)(vi)	Number of times missing data procedures were used to determine organic carbon contents of raw materials	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(14)(vii)	Number of times missing data procedures were used to determine raw material consumption	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(15)	Method used to determine the monthly clinker production from each kiln reported under §98.86(b)(2)	Emission Data	76 FR 30782, May 26, 2011
H - Cement Production	98.86(b)(15)	Monthly kiln-specific clinker factors (if used) for each kiln	Deferred Until 2015	76 FR 53057, August 25, 2011
I - Electronics Manufacturing	98.94(a)(2)(ii)(A)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: List of specific items of monitoring instrumentation and measuring services for which the request is being made.	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(2)(ii)(A)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: Locations where each piece of monitoring instrumentation will be installed and where each measurement service will be provided.	CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.94(a)(2)(ii)(B)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: Specific rule requirements for which the instrumentation or measurement service is needed.	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(2)(ii)(C)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before July 1, 2011.	CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(2)(ii)(D)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(2)(ii)(D)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.94(a)(2)(ii)(E)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: If the reason for the extension is that service providers were unable to provide necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before July 1, 2011. This documentation must include written correspondence to and from at least three service providers stating that they will not be available to provide the necessary services before July 1, 2011.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(2)(ii)(F)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: Specific best available monitoring methods that the facility will use in place of the required methods.	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(2)(ii)(G)	For extension requests for the use of BAMM in 2011 for parameters other than recipe-specific utilization and by-product formation rates for the plasma etching process type: Specific actions the owner or operator will take to comply with monitoring requirements by January 1, 2012.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: List of specific items of monitoring instrumentation and measuring services for which the request is being made.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: Locations where each piece of monitoring instrumentation will be installed and where each measurement service will be provided.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: Specific rule requirements for which the instrumentation or measurement service is needed.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before December 31, 2011.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before December 31, 2011, include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before December 31, 2011, include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: If the reason for the extension is that service providers were unable to provide necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before December 31, 2011. This documentation must include written correspondence to and from at least three service providers stating that they will not be available to provide the necessary services before December 31, 2011.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(3)(ii)(A)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: Specific best available monitoring methods that the facility will use in place of the required methods.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(3)(ii)(B)	For extension requests for the use of BAMM in 2011 for recipe-specific utilization and by-product formation rates for plasma etching process type: Specific actions the owner or operator will take to comply with monitoring requirements by January 1, 2012.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(4)(ii)(A)	For extension requests for the use of BAMM beyond 2011: List of parameters for which the owner or operator is seeking use of best available monitoring methods beyond 2011.	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(4)(ii)(B)	For extension requests for the use of BAMM beyond 2011: Specific rule requirements that the owner or operator cannot meet.	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(4)(ii)(B)	For extension requests for the use of BAMM beyond 2011: Explanation as to why the requirements cannot be met.	CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(4)(ii)(C)	For extension requests for the use of BAMM beyond 2011: Description of the unique circumstances necessitating an extension, including specific technical infeasibilities that conflict with data collection.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.94(a)(4)(ii)(C)	For extension requests for the use of BAMM beyond 2011: Description of the unique circumstances necessitating an extension, including specific data collection issues that do not meet safety regulations or specific laws or regulations that conflict with data collection.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(4)(ii)(D)	For extension requests for the use of BAMM beyond 2011: Explanation and supporting documentation of how the owner or operator will receive the required data and/or services to comply with the reporting requirements.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(4)(ii)(D)	For extension requests for the use of BAMM beyond 2011: Explanation and supporting documentation of when the owner or operator will receive the required data and/or services to comply with the reporting requirements.	CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.94(a)(4)(ii)(E)	For extension requests for the use of BAMM beyond 2011: Description of the specific best available monitoring methods that the facility will use in place of the required methods.	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(a)	Annual manufacturing capacity of a facility as determined in Equation I-5. (Reported in RY2011, RY2012, and RY2013 only)	No Determination	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(a)	Annual manufacturing capacity of each fab at your facility used to determine the annual manufacturing capacity of your facility in Equation I-5. (Reported beginning RY2014)	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(b)	For facilities that manufacture semiconductors, the diameter of wafers manufactured at your facility (mm). (Reported in RY2011 - RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(b)	For facilities that manufacture semiconductors, the diameter of wafers manufactured at each fab at your facility (mm). (Reported beginning in RY2014)	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(1)	Annual emissions of each fluorinated GHG emitted from each process type for which your facility is required to calculate emissions as calculated in Equations I–6 and I–7.(Reported in RY2011 - RY2013 only)	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(c)(1)	Annual emissions on a fab basis: When you use the procedures specified in §98.93(a), each fluorinated GHG emitted from each process type for which your facility is required to calculate emissions as calculated in Equations I–6 and I–7. (Reported in RY2014).	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(2)	Annual emissions of each fluorinated GHG emitted from each individual recipe, process type or process subtype as calculated in Equations I–8 and I–9, as applicable.(Reported in RY2011 - RY2013 only)	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(2)	Annual emissions on a fab basis: Each fluorinated GHG emitted from each process type or process subtype as calculated in Equations I–8 and I–9, as applicable. (Reported in RY2014).	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(3)	Annual emissions of N_2O emitted from all chemical vapor deposition process and N_2O emitted from other N_2O using manufacturing processes as calculated in Equation I–10. (Reported in RY2011 - RY2013 only)	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(3)	Annual emissions on a fab basis: N_2O emitted from all chemical vapor deposition processes and N_2O emitted from the aggregate of other N_2O using manufacturing processes as calculated in Equation I–10. (Reported in RY2014)	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(4)	Annual emissions of each heat transfer fluid emitted as calculated in Equation I-16. (Reported in RY2011 - RY2013 only)	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(4)	Annual emissions on a fab basis: Emissions of each heat transfer fluid emitted as calculated in Equation I-16. (Reported in RY2014).	Emission Data	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(c)(5)	Annual emissions on a fab basis: When you use the procedures specified in §98.93(i), annual emissions of each fluorinated GHG, on a fab basis. (Reported beginning in RY2014)	Emission Data	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(d)	The method of emissions calculation used in 40 CFR 98.93.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(e)	Annual production in terms of substrate surface area.	CBI	77 FR 48072, August 13, 2012
I - Electronics Manufacturing	98.96(f)(2)	For recipe-specific utilization and by-product formation rates, the film or substrate that was etched/cleaned and the feature type that was etched (Reported in RY2011, RY2012, and RY2013 only)	No Determination	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(f)(3)	Certification that the recipes included in a set of similar recipes are similar as defined in 40 CFR 98.98.(Reported in RY2011, RY2012, and RY2013 only)	No Determination	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(f)(4)	Certification that the measurements for all reported recipe-specific utilization and by-product formation rates and/or facility-specific N2O utilization factors were made using the International SEMATECH #06124825A–ENG (incorporated by reference, see 40 CFR 98.7), or the International SEMATECH #01104197A–XFR (incorporated by reference, see 40 CFR 98.7) if measurements were made prior to January 1, 2007.(Reported in RY2011, RY2012, and RY2013 only)	No Determination	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(f)(5)	When you use factors for F-GHG process utilization and by-product formation rates other than the defaults provided in Tables I-3, I-4, I-5, I-6, and I-7 and/or N2O utilization factors other than the defaults provided in Table I-8, source of the recipe specific by-product formation rates. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(f)(6)	When you use factors for F-GHG process utilization and by-product formation rates other than the defaults provided in Tables I-3, I-4, I-5, I-6, and I-7 and/or N2O utilization factors other than the defaults provided in Table I-8, certification that the conditions under which the measurements were made for facility-specific N2O utilization factors are representative of your facility's N2O emitting production processes. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(g)	For all F-GHG or N2O used at your facility for which you have not calculated emissions using Equations I-6 through I-10: Report the chemical name of the GHG used. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(g)	For all F-GHG or N2O used at your facility for which you have not calculated emissions using Equations I-6 through I-10: Report the annual consumption of the gas. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(g)	For all F-GHG or N2O used at your facility for which you have not calculated emissions using Equations I-6 through I-10: Report a brief description of GHG use. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(h)	All inputs used to calculate gas consumption in Equation I-11 of this subpart, for each F-GHG used. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(h)	All inputs used to calculate gas consumption in Equation I-11 of this subpart, for N2O used. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(i)	Disbursements for each F-GHG during the reporting year, as calculated using Equation I-12 of this subpart. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(m)(1)	For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: Identification of the quantifiable metric used in your fab-specific engineering model to apportion gas consumption for each fab (Reported in RY2011, RY2012, and RY2013 only)	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(m)(1)	For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: Identification of the quantifiable metric used in your fab-specific engineering model to apportion gas consumption for each fab (Reported beginning RY2014)	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(m)(1)	For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: Indicate whether direct measurements were used in addition to, or instead of, a quantifiable metric. (Reported beginning 2013)	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(m)(2)	For the facility-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: Start and end dates selected under 40 CFR 98.94(c)(2)(i). (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012
I - Electronics Manufacturing	98.96(m)(2)	For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: Start and end dates selected under 40 CFR 98.94(c)(2)(i). (Reported beginning in RY2014)	Not CBI	77 FR 48072, August 13, 2012
I - Electronics Manufacturing	98.96(m)(3)	For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: Certification that the gas(es) you selected under 40 CFR 98.94(c)(2)(ii) for each fab corresponds to the largest quantity(ies) consumed, on a mass basis, of fluorinated GHG used at your fab during the reporting year for which you are required to apportion.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(m)(4)	For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: The result of the calculation comparing the actual and modeled gas consumption under 40 CFR 98.94(c)(2)(iii) and (iv), as applicable.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(m)(5)	For the fab-specific apportioning model used to apportion fluorinated GHG and N2O consumption under §98.94(c) report: If you are required to apportion fluorinated GHG consumption between fabs as required by § 98.94(c)(2)(v), certification that the gas(es) you selected under § 98.94(c)(2)(ii) corresponds to the largest quantity(ies) consumed on a mass basis, of fluorinated GHG used at your facility during the reporting year for which you are required to apportion. (Reported beginning in RY2014)	Not CBI	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Abatement systems through which fluorinated GHGs or N2O flow at your facility and for which you are claiming destruction or removal efficiency: Inventory of all abatement systems through which fluorinated GHGs or N2O flow at your facility and for which you are claiming destruction or removal efficiency.	CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Abatement systems through which fluorinated GHGs or N2O flow at your facility and for which you are claiming destruction or removal efficiency: Description of all abatement systems through which fluorinated GHGs or N2O flow at your facility and for which you are claiming destruction or removal efficiency.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)(1)	Abatement systems through which fluorinated GHGs or N2O flow at your facility and for which you are claiming destruction or removal efficiency: The number of abatement systems controlling emissions for each process sub-type, or process type, as applicable, for each gas used in the process sub-type or process type, as applicable	CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(p)(2)	Abatement systems through which fluorinated GHGs or N2O flow at your facility and for which you are claiming destruction or removal efficiency: The basis of the destruction or removal efficiency being used (default or site specific measurement according to §98.94(f)(4)(i)) for each process sub-type or process type and for each gas used in the process sub-type or process type and for each gas. (Reported beginning in RY2014)	Not CBI	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	The tool recipe(s) associated with each abatement system. (Reported in RY2011, RY2012, and RY2013)	No Determination	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Inventory of all abatement systems through which F-GHGs or N2O flow at your facility. (Reported in RY2011, RY2012, and RY2013)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Description of all abatement systems through which F-GHGs or N2O flow at your facility. (Reported in RY2011, RY2012, and RY2013)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Number of abatement devices of each manufacturer through which F-GHGs or N2O flow at your facility. (Reported in RY2011, RY2012, and RY2013)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Model number of abatement device through which F-GHGs or N2O flow at your facility.(Reported in RY2011, RY2012, and RY2013)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Destruction or removal efficiencies, if any, claimed by manufacturers of abatement devices through which F-GHGs or N2O flow at your facility.(Reported in RY2011, RY2012, and RY2013)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Destruction and removal efficiency measurement records for abatement system through which F-GHGs or N2O flow at your facility over its in-use life.(Reported in RY2011, RY2012, and RY2013)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	Description of the tools associated with each abatement system.(Reported in RY2011, RY2012, and RY2013)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(p)	Model numbers of the tools associated with each abatement system. (Reported in RY2011, RY2012, and RY2013)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(p)	The tool process sub-type or type associated with each abatement system. (Reported in RY2011, RY2012, and RY2013)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(1)	For all abatement systems through which fluorinated GHGs or N2O flow at your facility, for which you are reporting controlled emissions, a certification that all abatement systems at the facility have been installed, maintained, and operated in accordance with the manufacturer's specifications. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(1)	For all abatement systems through which fluorinated GHGs or N2O flow at your facility, for which you are reporting controlled emissions, a certification that all abatement systems at the facility have been installed, maintained, and operated in accordance with the manufacturer's specifications and according to the site maintenance plan for abatement systems that is developed and maintained in your records as specified in § 98.97(d). (Reported beginning RY2014)	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98,96(q)(2)	If you use default destruction or removal efficiency values in your emissions calculations under 40 CFR 98.93(a), (b), or (i), certification that the site maintenance plan for abatement systems for which emissions are being reported contains manufacturer's recommendations and specifications for installation, operation, and maintenance for each abatement system.	No Determination	78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(q)(3)	If you use default destruction or removal efficiency values, certification that the abatement systems for which emissions are being reported were specifically designed for fluorinated GHG and N2O abatement, as applicable. You must support this certification by providing abatement system supplier documentation stating that the system was designed for fluorinated GHG and N2O abatement, as applicable (Reported beginning in RY2014)	No Determination	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(4)	Certification that the abatement systems for which controlled emissions are being reported are specifically designed for F-GHG and N2O abatement, including abatement system supplier documentation. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(4)	For all stack systems for which you calculate fluorinated GHG emissions according to the procedures specified in § 98.93(i)(3), certification that you have included and accounted for all abatement systems and any respective downtime in your emissions calculations under § 98.93(i)(3). (Reported beginning RY2014)	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(5)(i)	A description of the abatement system class for which you are reporting controlled emissions. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(5)(i)	The F-GHG and N2O in the effluent stream to the abatement system in the class for which you are reporting controlled emissions. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(5)(i)	The manufacturer of the abatement system in the class for which you are reporting controlled emissions. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(5)(i)	The model number of the abatement system in the class for which you are reporting controlled emissions. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(5)(ii)	The total number of abatement systems in that abatement system class for the reporting year. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(q)(5)(iii)	The total number of abatement systems for which destruction or removal efficiency was measured in that abatement system class for the reporting year. (Reported in RY2011, RY2012, and RY2013 only)	CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(5)(iv)	A description of the calculation used to determine the class average. (Reported in RY2011, RY2012, and RY2013 only)	Emission Data	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(q)(5)(v)	A description of method of randomly selecting class members for testing. (Reported in RY2011, RY2012, and RY2013 only)	Emission Data	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(r)	An effective facility-wide destruction or removal efficiency value calculated using Equation I–26, I–27, and I–28 of this subpart, as appropriate (Reported beginning in RY2014)	Not CBI	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(s)	Where missing data procedures were used to estimate inputs into the heat transfer fluid mass balance equation under 40 CFR 98.95(b), the number of times missing data procedures were followed in the reporting year.	Emission Data	77 FR 48072, August 13, 2012
I - Electronics Manufacturing	98.96(s)	Where missing data procedures were used to estimate inputs into the heat transfer fluid mass balance equation under 40 CFR 98.95(b), the method used to estimate the missing data.	Emission Data	77 FR 48072, August 13, 2012
I - Electronics Manufacturing	98.96(t)	A brief description of each "best available monitoring method" used. (Reported in RY2011 only)	Emission Data	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(t)	Parameter measured or estimated using the "best available monitoring method." (Reported in RY2011 only)	Emission Data	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(t)	Time period during which the "best available monitoring method" was used. (Reported in RY2011 only)	Emission Data	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(u)	For each fluorinated heat transfer fluid used, whether the emission estimate includes emissions from all applications or from only the applications specified in the definition of fluorinated heat transfer fluids in §98.98. (Reported in RY2011, RY2012, and RY2013 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(v)	For reporting year 2012 only, the date on which you began monitoring emissions of fluorinated heat transfer fluids whose vapor pressure falls below 1 mm Hg absolute at 25 deg. C. This is either January 1, 2012 or March 23, 2012. (Reported in RY2012 only)	Not CBI	77 FR 48072, August 13, 2012; removed by 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(w)(1)	If you elect to calculate fab-level emissions of fluorinated GHG using the stack test method specified in § 98.93(i), you must report the following in paragraphs (w)(1) and (2) for each stack system, in addition to the relevant data in paragraphs (a) through (v) of this section: The date of any stack testing conducted during the reporting year. (Reported beginning in RY2014)	Not CBI	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(w)(1)	If you elect to calculate fab-level emissions of fluorinated GHG using the stack test method specified in § 98.93(i), you must report the following in paragraphs (w)(1) and (2) for each stack system, in addition to the relevant data in paragraphs (a) through (v) of this section: The identity of the stack system tested. (Reported beginning in RY2014)	Emission Data	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(w)(2)	If you elect to calculate fab-level emissions of fluorinated GHG using the stack testing procedures specified in §98.93(i), an inventory of all stacks from which process fluorinated GHG are emitted. (Reported beginning in RY2014)	Emission Data	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(w)(2)	If you elect to calculate fab-level emissions of fluorinated GHG using the stack testing procedures specified in §98.93(i), for each stack system, indicate whether the stack is among those for which stack testing was performed as per §98.93(i)(3) or not performed as per §98.93(i)(2) (for exempt low emitting stacks). (Reported beginning in RY2014)	Emission Data	78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(x)	If the emissions reported under paragraphs (c) include emissions from research and development activities, report the approximate percentage of total GHG emissions that are attributable to research and development activities, using the following ranges: less than 5 percent, 5 percent to less than 10 percent, 10 percent to less than 25 percent, 25 percent to less than 50 percent, 50 percent and higher. (Reported beginning in RY2014)	Emission Data	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(y)(2)(i)	If your semiconductor manufacturing facility emits in 2015 more than 40,000 mtCO2e of GHG emissions from the electronics manufacturing processes subject to reporting, a triennial (every 3 years) technology assessment report including a description of how the gases and technologies used in semiconductor manufacturing using 200 mm and 300 mm wafers in the United States have changed in the past 3 years and whether any of the identified changes are likely to have affected the emissions characteristics of semiconductor manufacturing processes in such a way that the default utilization and byproduct formation rates or default DRE values may need to be updated. (Reported beginning in RY2017)	CBI	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(y)(2)(ii)	If your semiconductor manufacturing facility emits in 2015 more than 40,000 mtCO2e of GHG emissions from the electronics manufacturing processes subject to reporting, a triennial (every 3 years) technology assessment report including a description of the effect of the implementation of new process technologies and/or finer line width processes in 200 mm and 300 mm technologies, the introduction of new tool platforms, and the introduction of new processes on previously tested platforms. (Reported beginning in RY2017)	CBI	78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(y)(2)(iii)	If your semiconductor manufacturing facility emits in 2015 more than 40,000 mtCO2e of GHG emissions from the electronics manufacturing processes subject to reporting, a triennial (every 3 years) technology assessment report including a description of the status of implementing 450 mm wafer technology and the potential need to create or update emission factors compared to 300 mm technology. (Reported beginning in RY2017)	CBI	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(y)(2)(iv)	If your semiconductor manufacturing facility emits in 2015 more than 40,000 mtCO_2e of GHG emissions from the electronics manufacturing processes subject to reporting, a triennial (every 3 years) technology assessment report including any utilization and by-product formation rates or DRE data that have been collected in the previous 3 years that support the changes or continuities in semiconductor manufacturing processes described in the report. (Reported beginning in RY2017)	Emission Data	78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(y)(2)(v)	If your semiconductor manufacturing facility emits in 2015 more than 40,000 mtCO_2e of GHG emissions from the electronics manufacturing processes subject to reporting, a triennial (every 3 years) technology assessment report including a description of the use of a new gas, use of an existing gas in a new process type or sub-type, or a fundamental change in process technology. (Reported beginning in RY2017)	CBI	78 FR 68162, November 13, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
I - Electronics Manufacturing	98.96(y)(3)(i)	If, on the basis of the information reported in §98.96(y)(2), the triennial report indicates that GHG emissions from semiconductor manufacturing may have changed from those represented by the default emission factors in Tables I-3, I-4, or I-5, or the default DRE values in Table I-13, the report must lay out a data gathering and analysis plan that includes: the testing of tools to determine the potential effect on current utilization and by-product formation rates and destruction or removal efficiency values under the new conditions. (Reported beginning in RY2017)	CBI	78 FR 68162, November 13, 2013; 78 FR 71904, November 29, 1013
I - Electronics Manufacturing	98.96(y)(3)(ii)	If, on the basis of the information reported in §98.96(y)(2), the triennial report indicates that GHG emissions from semiconductor manufacturing may have changed from those represented by the default emission factors in Tables I-3, I-4, or I-5, or the default DRE values in Table I-13, the report must lay out a data gathering and analysis plan that includes: planned analysisof the effect on overall facility emissions using a representative gas-use profile for a 200mm, 300 mm, or 450 mm fab (depending on which technology is under consideration). (Reported beginning in RY2017)	CBI	78 FR 68162, November 13, 2013
K- Ferroalloy Production	98.116(a)	Annual ferroalloy product production capacity	No Determination	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(b)	Annual production by product from each EAF (tons) (used as input to Equation K-3).	Deferred Until 2015	76 FR 53057, August 25, 2011
K- Ferroalloy Production	98.116(c)	Total number of EAFS used for production of ferroalloy products	Not CBI	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(d)	Tier 4 Calculation Methodology reporting requirements specified under §98.36	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(d)(1)	Annual process CO_2 emissions from each EAF used for the production of any ferroalloy product identified in §98.110	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
K- Ferroalloy Production	98.116(d)(2)	Annual process CH_4 emissions (in metric tons) from each EAF used for the production of any ferroalloy listed in Table K-1 of this subpart. (CEMS)	Emission Data	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(d)(3)	Identification number of each EAF (CEMS)	Emission Data	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(e)(1)	Annual process CO_2 emissions from each EAF used for the production of any ferroalloy product identified in §98.110 (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(e)(2)	Annual process CH_4 emissions from each EAF used for the production of any ferroalloy (No CEMS) listed in Table K–1 of subpart K of 40 CFR part 98 (metric tons). (Reported beginning in RY2013)	Emission Data	78 FR 71904, November 29, 2013
K- Ferroalloy Production	98.116(e)(3)	Identification number of each EAF (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(e)(4)	Annual material quantity for each material included for the calculation of annual process CO_2 emissions for each EAF (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
K- Ferroalloy Production	98.116(e)(5)	Annual average of the carbon content determinations for each material included for the calculation of annual process CO_2 emissions for each EAF (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
K- Ferroalloy Production	98.116(e)(6)	Method used for the determination of carbon content for each material reported in §98.116(e)(5) (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(e)(7)	How monthly mass of carbon-containing inputs and outputs with missing data was determined	Emission Data	76 FR 30782, May 26, 2011
K- Ferroalloy Production	98.116(e)(7)	Number of months the missing data procedures were used	Emission Data	76 FR 30782, May 26, 2011
L - Fluorinated Gas Production	98.123(c)(1)(vi)(A)(1)	For requests to use a GWP other than 2,000 for fluorinated GHGs whose GWPs are not listed in Table A-1: Identity of the F-GHG, including its chemical formula and, if available, CAS number.	No Determination	None
L - Fluorinated Gas Production	98.123(c)(1)(vi)(A)(2)	For requests to use a GWP other than 2,000 for fluorinated GHGs whose GWPs are not listed in Table A-1: Estimated GWP of the F-GHG	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.123(c)(1)(vi)(A)(3)	For requests to use a GWP other than 2,000 for fluorinated GHGs whose GWPs are not listed in Table A-1: Data and analysis that supports your estimate of the GWP of the F-GHG.	No Determination	None
L - Fluorinated Gas Production	98.123(c)(1)(vi)(A)(4)	For requests to use a GWP other than 2,000 for fluorinated GHGs whose GWPs are not listed in Table A-1: Engineering calculations or assessments and underlying data that demonstrate that the process vent is calculated to emit less than 10,000 metric tons CO2e of this and other F-GHGs only when the proposed provisional GWPs, not the default GWP of 2,000, are used for F-GHGs whose GWPs are not listed in Table A-1 to subpart A of this part.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(A)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: List of specific items of monitoring equipment and measurement services for which the request is being made.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(A)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Locations (e.g., process and vents) where each piece of monitoring equipment will be installed and where each measurement service will be provided.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(B)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Specific rule requirements for which the monitoring equipment or measurement service is needed.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(2)(ii)(C)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before July 1, 2011.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(D)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(D)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(D)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, provide the current expected date of delivery or installation.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(2)(ii)(E)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the service providers were unable to provide the necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before July 1, 2011. This must include written correspondence to and from at least two service providers stating they will not be able to provide the necessary services before July 1, 2011.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(F)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before July 1, 2011 to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(F)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before July 1, 2011 to install the device. Include the frequency of shutdowns for each relevant process equipment or unit.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(2)(ii)(F)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before July 1, 2011 to install the device. Include the date of the date of the next planned process equipment or unit shutdown.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(G)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that access to process streams, emissions streams, or destroyed streams, as applicable, could not be gained before July 1, 2011 for reasons other than the continuous operation of the process without shutdown, include illustrative documentation such as photographs and engineering diagrams demonstrating that access could not be gained.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(H)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Best available monitoring methods that will be used and how their results will be applied (i.e., which calculation method will be used) to develop the emission estimate.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(2)(ii)(H)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Where the proposed best available monitoring method is the use of current monitoring data in the mass-balance approach, include the estimated relative and absolute errors of the mass-balance approach using the current monitoring data.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(2)(ii)(I)	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Description of specific actions the owner or operator will take to comply with monitoring requirements by January 1, 2012.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: List of specific items of monitoring equipment and measurement services for which the request is being made.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: Locations (e.g., process and vents) where each piece of monitoring equipment will be installed and where each measurement service will be provided.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: Specific rule requirements for which the monitoring equipment or measurement service is needed.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before March 1, 2012	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2012, include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2012, include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2012, provide the current expected date of delivery or installation.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the service providers were unable to provide the necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before March 1, 2012. This must include written correspondence to and from at least two service providers stating they will not be able to provide the necessary services before March 1, 2012.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2012 to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2012 to install the device. Include the frequency of shutdowns for each relevant process equipment or unit.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2012 to install the device. Include the date of the date of the next planned process equipment or unit shutdown.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that access to process streams, emissions streams, or destroyed streams, as applicable, could not be gained before March 1, 2012 for reasons other than the continuous operation of the process without shutdown, include illustrative documentation such as photographs and engineering diagrams demonstrating that access could not be gained.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: Best available monitoring methods that will be used and how their results will be applied (i.e., which calculation method will be used) to develop the emission estimate.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: Where the proposed best available monitoring method is the use of current monitoring data in the mass-balance approach, include the estimated relative and absolute errors of the mass-balance approach using the current monitoring data.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(3)(ii)	For extension requests for the use of BAMM to estimate 2011 emissions using scoping speciations, emission factors, and emission characterizations: Description of specific actions the owner or operator will take to comply with monitoring requirements by March 1, 2013.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: List of specific items of monitoring equipment and measurement services for which the request is being made.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Locations (e.g., process and vents) where each piece of monitoring equipment will be installed and where each measurement service will be provided.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Specific rule requirements for which the monitoring equipment or measurement service is needed.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters).	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters), include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters), include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters), provide the current expected date of delivery or installation.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the service providers were unable to provide the necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters). This must include written correspondence to and from at least two service providers stating they will not be able to provide the necessary services before the above stated deadline.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) to install the device. Include the frequency of shutdowns for each relevant process equipment or unit.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) to install the device. Include the date of the date of the next planned process equipment or unit shutdown.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that access to process streams, emissions streams, or destroyed streams, as applicable, could not be gained before March 1, 2013 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) for reasons other than the continuous operation of the process without shutdown, include illustrative documentation such as photographs and engineering diagrams demonstrating that access could not be gained.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Best available monitoring methods that will be used and how their results will be applied (i.e., which calculation method will be used) to develop the emission estimate.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Where the proposed best available monitoring method is the use of current monitoring data in the mass-balance approach, include the estimated relative and absolute errors of the mass-balance approach using the current monitoring data.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(4)(ii)(A)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Description of specific actions the owner or operator will take to comply with monitoring requirements by March 1, 2014 (for scoping speciations, emission factors, and emission characterizations) or January 1, 2013 (for other parameters).	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(B)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed outline of the unique circumstances necessitating an extension, including specific technical infeasibilities that conflict with data collection. The owner or operator must consider all the data collection and emission calculation options outlined in the rule for a specific emissions source before claiming that a specific technical barrier exists.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(B)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed outline of the unique circumstances necessitating an extension, including specific data collection issues that do not meet safety regulations or specific laws or regulations that conflict with data collection. The owner or operator must consider all the data collection and emission calculation options outlined in the rule for a specific emissions source before claiming that a specific safety or legal barrier exists.	No Determination	None
L - Fluorinated Gas Production	98.124(o)(4)(ii)(C)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed explanation and supporting documentation of how the owner or operator will receive the required data and/or services to comply with the reporting requirements of this subpart in the future.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.124(o)(4)(ii)(C)	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed explanation and supporting documentation of when the owner or operator will receive the required data and/or services to comply with the reporting requirements of this subpart in the future.	No Determination	None
L - Fluorinated Gas Production	98.126(a)(2)(i)	Total mass of each F-GHG emitted from each fluorinated gas production process (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(2)(i)	Total mass of each F-GHG emitted from all fluorinated gas production processes combined (metric tons).(Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(2)(ii)	Total mass of each F-GHG emitted from each fluorinated gas transformation process that is not part of a fluorinated gas production process and whose F-GHG reactants are produced on site (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(2)(ii)	Total mass of each F-GHG emitted from all fluorinated gas transformation processes that are not part of a fluorinated gas production process and whose F-GHG reactants are produced on site (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(2)(ii)	Total mass of each F-GHG emitted from each fluorinated gas transformation process that is not part of a fluorinated gas production process and where an F-GHG reactant is produced at another facility (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(2)(ii)	Total mass of each F-GHG emitted from all fluorinated gas transformation processes that are not part of a fluorinated gas production process and where an F-GHG reactant is produced at another facility (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.126(a)(2)(iii)	Total mass of each F-GHG emitted from each fluorinated gas destruction process that is not part of a fluorinated gas production process or a fluorinated gas transformation process (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(2)(iii)	Total mass of each F-GHG emitted from all fluorinated gas destruction processes that are not part of a fluorinated gas production process or a fluorinated gas transformation process combined (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(2)(iv)	Total mass of each F-GHG emitted from venting of residual F-GHGs from containers returned from the field (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(3)	Chemical identities of the contents of the stream(s) (including process, and destroyed streams) analyzed under the initial scoping speciation of fluorinated GHG at 40 CFR 98.124(a), by process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(3)	Chemical identities of the contents of the stream(s) (including emissions) analyzed under the initial scoping speciation of fluorinated GHG at 40 CFR 98.124(a), by process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(4)	Location and function of the stream(s) (including process streams, emissions streams, and destroyed streams) that were analyzed under the initial scoping speciation of fluorinated GHG at 40 CFR 98.124(a), by process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(5)	The methods used to determine the mass emissions of each fluorinated GHG, i.e., mass balance, process-vent specific emission factor, or process vent-specific emission calculation factor, at the facility.	No Determination	None
L - Fluorinated Gas Production	98.126(a)(5)	If you use the process-vent-specific emission factor or process-vent-specific emission calculation factor method, report the methods used to estimate emissions from equipment leaks.	No Determination	None

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.126(a)(6)	Total production mass of each fluorinated gas product, by chemical and process (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(a)(6)	Chemical formula of each fluorinated gas product, by chemical and process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(1)	Absolute errors calculated under 40 CFR 98.123(b)(1). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(1)	Relative errors calculated under 40 CFR 98.123(b)(1). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(1)	The data used in calculating the absolute errors, including quantities and their accuracies and precisions.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(1)	The data used in calculating the relative errors, including quantities and their accuracies and precisions.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(2)	Balanced chemical equation describing the reaction used to manufacture the F-GHG product and each F-GHG transformation product .	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(3)	Mass of each F-GHG reactant emitted from the process (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(3)	Chemical formula of each F-GHG reactant emitted from the process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(4)	Mass of the F-GHG product emitted from the process (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(4)	Chemical formula of the F-GHG product emitted from the process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(5)	Mass of the F-GHG by-product emitted from the process (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(5)	Chemical formula of the F-GHG by-product emitted from the process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(6)	Chemical formula of each fluorine-containing reactant that is fed into the process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(6)	Mass of each fluorine-containing reactant that is fed into the process (metric tons).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.126(b)(7)	Chemical formula of each fluorine-containing product produced by the process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(7)	Mass of each fluorine-containing product produced by the process (metric tons).	Deferred Until 2015	77 FR 51477, August 24, 2012
L - Fluorinated Gas Production	98.126(b)(8)(i)	Chemical formula of each fluorine-containing product that is removed from the process and fed into the destruction device.(Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(8)(i)	Mass of each fluorine-containing product that is removed from the process and fed into the destruction device (metric tons).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(8)(ii)	Chemical formula of each fluorine-containing by-product that is removed from the process and fed into the destruction device. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(8)(ii)	Mass of each fluorine-containing by-product that is removed from the process and fed into the destruction device (metric tons).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(8)(iii)	Chemical formula of each fluorine-containing reactant that is removed from the process and fed into the destruction device. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(8)(iii)	Mass of each fluorine-containing reactant that is removed from the process and fed into the destruction device (metric tons).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(8)(iv)	Chemical formula of each fluorine-containing by-product that is removed from the process and recaptured. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(b)(8)(iv)	Mass of each fluorine-containing by-product that is removed from the process and recaptured (metric tons).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(8)(v)	Destruction efficiency of the destruction device for each F-GHG fed into the device from the process in greater than trace concentrations (fraction).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(9)(i)	Mass of fluorine in each stream that is fed into the destruction device (metric tons).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(9)(ii)	Mass of fluorine that is recaptured (metric tons).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.126(b)(9)(iii)	Weighted average destruction efficiency of the destruction device calculated for each stream under 40 CFR 98.123(b)(16).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(10)	The fraction of the mass emitted that consists of each fluorine-containing reactant.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(11)	The fraction of the mass emitted that consists of the fluorine-containing product.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(12)	The fraction of the mass emitted that consists of each fluorine-containing by-product.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(b)(13)	The method used to estimate the total mass of fluorine in destroyed or recaptured streams. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(c)(1)	The identity of the process activity used to estimate emissions (e.g., tons of product or tons of reactant consumed). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(c)(1)	The quantity of the process activity used to estimate emissions (e.g., tons of product or tons of reactant consumed).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(c)(2)	The site-specific, process-vent-specific emission factor(s) or emission calculation factor for each process vent.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(c)(3)	Mass of each F-GHG emitted for each process vent (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(c)(4)	Mass of each fluorinated GHG emitted from equipment leaks (metric tons). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(d)	Where missing data have been estimated pursuant to 40 CFR 98.125: Reason the data were missing. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(d)	Where missing data have been estimated pursuant to 40 CFR 98.125: Length of time the data were missing. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(d)	Where missing data have been estimated pursuant to 40 CFR 98.125: Method used to estimate the missing data. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.126(d)	Where missing data have been estimated pursuant to 40 CFR 98.125: Estimate of the missing data.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(e)	Each fluorinated gas production facility that destroys F-GHGs must report the excess emissions that result from malfunctions of the destruction device, and these excess emissions would be reflected in the F-GHG estimates in 40 CFR 98.123(b) and (c). (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(f)(1)	Destruction efficiency of each destruction device, for each F-GHG whose destruction the facility reflects in 40 CFR 98.123, in accordance with 40 CFR 98.124(g)(1)(i) through (iv).	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(f)(2)	Chemical identity of the F-GHG(s) used in the performance test conducted to determine destruction efficiency, including surrogates. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(f)(2)	Information on why the surrogate is sufficient to demonstrate DE for each F-GHG, consistent with requirements in 40 CFR 98.124(g)(1), vented to the destruction device. (For information on emission stream content) (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(f)(2)	Information on why the surrogate is sufficient to demonstrate DE for each F-GHG, consistent with requirements in 40 CFR 98.124(g)(1), vented to the destruction device. (All other information not related to stream content) (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(f)(3)	Date of the most recent destruction device test. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(f)(4)	Name of all applicable Federal or State regulations that may apply to the destruction process. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.126(f)(5)	If you make a change to the destruction device that would be expected to affect its destruction efficiencies, submit a revised report that reflects the changes, including the revised destruction efficiencies measured for the device under 40 CFR 98.124(g)(2)(ii), by March 31 of the year that immediately follows the change. (Reported beginning in RY2014)	See entries for §98.126(f)(1) through (f)(3) in this table	77 FR 51477, August 24, 2012
L - Fluorinated Gas Production	98.126(g)(1)	Mass of F-GHG fed into the destruction device.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(g)(2)	Mass of F-GHG emitted from the destruction device. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(h)(1)	Each fluorinated gas production facility that vents residual fluorinated GHGs from containers, the mass of the residual fluorinated GHG vented from each container size and type. (Reported beginning in RY2014)	No Determination	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(h)(2)	Each fluorinated gas production facility that vents residual fluorinated GHGs from containers, the heel factor calculated for each container size and type.	Deferred Until 2015	76 FR 53057, August 25, 2011
L - Fluorinated Gas Production	98.126(i)	Each fluorinated gas production facility that destroys fluorinated gases must submit a one-time report by June 30, 2011, that describes any measurements, research, or analysis that it has performed or obtained that relate to the formation of products of incomplete combustion that are fluorinated GHGs during the destruction of fluorinated gases.	No Determination	None
L - Fluorinated Gas Production	98.126(i)	The report must include the methods and results of any measurement or modeling studies, including the products of incomplete combustion for which the exhaust stream was analyzed, as well as copies of relevant scientific papers, if available, or citations of the papers, if they are not.	No Determination	None
L - Fluorinated Gas Production	98.126(j)(3)	You must report the total fluorinated GHG emissions of the facility, expressed in tons of CO2e. (Reported in RY2011, RY2012, and RY2013)	Emission Data	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
L - Fluorinated Gas Production	98.126(j)(3)(ii)	Provide the total annual emissions across fluorinated GHGs for the entire facility, in metric tons of CO2e, that were calculated using the default GWP of 2000. (Reported in RY2011, RY2012, and RY2013)	Emission Data	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(j)(3)(iii)	Provide the total annual emissions across fluorinated GHGs for the entire facility, in metric tons of CO2e, that were calculated using the default GWP of 10,000. (Reported in RY2011, RY2012, and RY2013)	Emission Data	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
L - Fluorinated Gas Production	98.126(j)(3)(iv)	Provide the total annual emissions across fluorinated GHGs for the entire facility, in metric tons of CO2e, that were calculated using your best estimate of the GWP. (Reported in RY2011, RY2012, and RY2013)	Emission Data	77 FR 51477, August 24, 2012; 78 FR 71904, November 29, 2013
N - Glass Production	98.146(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 (CEMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
N - Glass Production	98.146(a)(1)	Annual quantity of each carbonate based-raw material charged to each continuous glass melting furnace (CEMS)	CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(a)(1)	Annual quantity of carbonate based-raw material charged to all continuous glass melting furnaces combined (CEMS)	CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(a)(2)	Annual quantity of glass produced by each glass melting furnace (CEMS)	CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(a)(2)	Annual quantity of glass produced by all furnaces combined (CEMS)	CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(1)	Annual process emissions of CO_2 (metric tons) for each continuous glass melting furnace	Emission Data	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(1)	Annual process emissions of CO_2 (metric tons) for all furnaces combined	Emission Data	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(2)	Annual quantity of carbonate based-raw material charged to each continuous glass melting furnace (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
N - Glass Production	98.146(b)(2)	Annual quantity of carbonate based-raw material charged for all furnaces combined (No CEMS)	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
N - Glass Production	98.146(b)(3)	Annual quantity of glass produced from each continuous glass melting furnace (No CEMS)	CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(3)	Annual quantity of glass produced from all furnaces combined (No CEMS)	CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(4)	Carbonate-based mineral mass fraction of carbonate-based raw material charged to a furnace (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
N - Glass Production	98.146(b)(5)(i)	Date of all tests used to verify the carbonate-based mineral mass fraction for each carbonate-based raw material charged to a furnace (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(5)(ii)	Method(s) and any variations of all tests used to verify the carbonate-based mineral mass fraction charged to a furnace (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(5)(iii)	Mass fraction of each sample analyzed for all tests used to verify the carbonate-based mineral mass fraction charged to a furnace (No CEMS)	CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(6)	Decimal fraction of calcination achieved for each carbonate-based raw material, if value other than 1.0 is used to calculate process emissions of CO_2. (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
N - Glass Production	98.146(b)(7)	Method used to determine the decimal fraction of calcination. (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
N - Glass Production	98.146(b)(8)	Total number of continuous glass melting furnaces (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(9)	Number of times in the reporting year that missing data procedures were followed to measure monthly quantities of carbonate-based raw materials for any continuous glass melting furnace (months) (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
N - Glass Production	98.146(b)(9)	Number of times in the reporting year that missing data procedures were followed to measure mass fraction of the carbonate-based minerals for any continuous glass melting furnace (months) (No CEMS)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(1)	Annual mass of HCFC-22 produced in metric tons	CBI	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(2)	Loss Factor used to account for the loss of HCFC– 22 upstream of the measurement (LF used in equation O-3)	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(3)	Annual mass of reactants fed into the process	CBI	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(4)	Mass of materials other than HCFC-22 and HFC-23 that occur in more than trace concentrations and that are permanently removed from the process	CBI	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	Method for tracking startups, shutdowns, and malfunctions	Not CBI	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	HFC-23 generation/emissions during startup	Emission Data	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	HFC-23 generation/emissions during shutdowns	Emission Data	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	HFC-23 generation/emissions during malfunctions	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	Names of facilities to which any HFC-23 was sent for destruction	CBI	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	Addresses of facilities to which any HFC-23 was sent for destruction	CBI	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	Quantities of HFC-23 sent for destruction to other facilities by facility name and address	CBI	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(7)	Annual mass of the HFC-23 generated (G_{23} in Eq. O-4)	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(8)	Annual mass of any HFC-23 sent off site for sale (S_{23} in Eq. O-4)	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(9)	Annual mass of any HFC-23 sent off site for destruction (OD_{23} used in Eq. O-4)	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(10)	Mass of HFC-23 in storage at the beginning of the year (used to calculate I_{23}, which is used in Eq. O-4)	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(10)	Mass of HFC-23 in storage at the end of the year (used to calculate I_{23}, which is used in Eq. O-4)	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(11)	Annual mass of HFC-23 emitted	Emission Data	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(12)	Annual mass of HFC-23 emitted from equipment leaks	Emission Data	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(13)	Annual mass of HFC-23 emitted from process vents	Emission Data	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(b)(1)	Annual mass of HFC-23 fed into the destruction device (FD used in Eq. O-8 and O-9)	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(b)(2)	Annual mass of HFC-23 destroyed (D23 used in Eq. O-8)	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(b)(3)	Annual mass of HFC-23 emitted from the destruction device	Emission Data	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(c)	Each HFC-23 destruction facility shall report the concentration (mass fraction) of HFC-23 measured at the outlet of the destruction device during the facility's annual HFC-23 concentration measurements at the outlet of the device. If the concentration of HFC-23 is below the detection limit of the measuring device, report the detection limit and that the concentration is below the detection limit.	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
O- HCFC22 Production and HFC-23 Destruction	98.156(d)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), specify whether §98.154(l)(1) or §98.154(l)(2) has been used for the calculation.	Emission Data	76 FR 30782, May 26, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(d)(1)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report flow rate of HFC-23 being fed into the destruction device in kg/hr.	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(d)(2)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report concentration (mass fraction) of HFC-23 at the outlet of the destruction device.	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(d)(3)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report flow rate at the outlet of the destruction device in kg/hr.	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(d)(4)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report emission rate (in kg/hour) calculated from the paragraphs (d)(2) and (d)(3).	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(d)(5)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report the destruction efficiency (DE) calculated from paragraphs (d)(1) and (d)(4).	Deferred Until 2015	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(1)	(One time report) Destruction efficiency (DE) (by March 31, 2011 or within 60 days of commencing HFC-23 destruction).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(2)	(One time report) Methods used to determine destruction efficiency (by March 31, 2011 or within 60 days of commencing HFC-23 destruction)	Not CBI	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(3)	(One time report) Methods used to record the mass of HFC-23 destroyed (by March 31, 2011 or within 60 days of commencing HFC-23 destruction)	Not CBI	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(4)	(One time report) Name of other relevant federal or state regulations that may apply to the destruction process (by March 31, 2011 or within 60 days of commencing HFC-23 destruction)	Not CBI	76 FR 53057, August 25, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(5)	Changes to one time report (includes data elements 98.156(e)(1) through (e)(4).	See entries in §98.156(e)(1) through (e)(4) in this table	76 FR 53057, August 25, 2011
P - Hydrogen Production	98.166(a)(1)	If a CEMS is used to measure CO_2emissions, then you must report the relevant information required under §98.36 for the Tier 4 Calculation Methodology	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(a)(1)	Unit identification number (CEMS)	Emission Data	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(a)(1)	Annual CO_2 emissions (CEMS) (where all CO_2 generated is emitted to the atmosphere)	Emission Data	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(a)(1)	Annual CO2 emissions (CEMS) (where all or a portion of CO_2 generated is collected for use onsite or shipment offsite)	Not CBI	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(a)(2)	Annual quantity of hydrogen produced for each process unit. (CEMS)	CBI	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(a)(2)	Annual quantity of hydrogen produced for all units combined (CEMS) (Reported in RY2010, RY2011, and RY2012 only)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
P - Hydrogen Production	98.166(a)(3)	Annual quantity of ammonia produced for each process unit. (CEMS)	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
P - Hydrogen Production	98.166(a)(3)	Annual quantity of ammonia produced for all unit combined (CEMS) (Reported in RY2010, RY2011, and RY2012 only)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
P - Hydrogen Production	98.166(b)(1)	Unit identification number (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(b)(1)	Annual CO_2 emissions (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(b)(1)	Annual CO_2 emissions (No CEMS) (where all or a portion of CO_2 generated is collected for use onsite or shipment offsite)	Not CBI	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(b)(2)	Monthly consumption of each fuel and feedstock by type used for hydrogen production (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
P - Hydrogen Production	98.166(b)(3)	Annual quantity of hydrogen produced (No CEMS)	CBI	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(b)(4)	Annual quantity of ammonia produced (No CEMS)	CBI	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(b)(5)	Monthly analyses of carbon content for each fuel and feedstock used in hydrogen production	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
P - Hydrogen Production	98.166(b)(6)	Monthly analyses of the molecular weight of gaseous fuels and feedstocks	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
P - Hydrogen Production	98.166(c)	Quantity of CO_2 collected and transferred off site in either gas, liquid, or solid forms, following the requirements of subpart PP	See entries for Subpart PP in the suppliers table	76 FR 30782, May 26, 2011
P - Hydrogen Production	98.166(d)	Annual quantity of carbon other than CO_2 collected and transferred off site	CBI	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(a)	Unit identification number (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Emission Data	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(a)	Unit identification number (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Q - Iron and Steel Production	98.176(a)	Annual CO_2 emissions (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Emission Data	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(a)	Annual CO_2 emissions (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	Emission Data	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(b)	Annual quantity taconite pellets, coke, sinter, iron, and raw steel (CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	CBI	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(b)	Annual quantity taconite pellets, coke, sinter, iron, and raw steel (CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	CBI	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(b)	Annual quantity taconite pellets, coke, sinter, iron, and raw steel (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(b)	Annual quantity taconite pellets, coke, sinter, iron, and raw steel (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(c)	Tier 4 Calculation Methodology reporting requirements specified under §98.36. (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(c)	Tier 4 Calculation Methodology reporting requirements specified under §98.36. (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(d)	Method used (i.e., carbon mass balance or site-specific emission factor method) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Q - Iron and Steel Production	98.176(d)	Method used (i.e., carbon mass balance or site-specific emission factor method) (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	Emission Data	76 FR 30782, May 26, 2011
Q - Iron and Steel Production	98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(2)	Whether the carbon content was determined from information from the supplier or by laboratory analysis (No CEMS)(for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Not CBI	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(2)	Whether the carbon content was determined from information from the supplier or by laboratory analysis (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	Not CBI	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(2)	Method used to determine carbon content (laboratory analysis) (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Not CBI	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Q - Iron and Steel Production	98.176(e)(2)	Method used to determine carbon content (laboratory analysis) (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	Not CBI	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(3)	Annual volume of each type of gaseous fuel used to determine CO_2 emissions (reported separately for each type in standard cubic feet) (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(3)	Annual volume of each type of gaseous fuel used to determine CO_2 emissions (reported separately for each type in standard cubic feet) (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(3)	Annual volume of each type of liquid fuel used to determine CO_2 emissions (reported separately for each type in gallons) (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(3)	Annual volume of each type of liquid fuel used to determine CO_2 emissions (reported separately for each type in gallons) (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(3)	Annual mass (in metric tons) of each other process input and output used to determine CO_2 emissions (No CEMS)(for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(3)	Annual mass (in metric tons) of each other process input and output used to determine CO_2 emissions (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(4)	Molecular weight of gaseous fuels (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Q - Iron and Steel Production	98.176(e)(4)	Molecular weight of gaseous fuels (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(5)	How the monthly mass for each process input or output with missing data was determined (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Not CBI	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(5)	How the monthly mass for each process input or output with missing data was determined (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	Not CBI	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(5)	Number of months the missing data procedures were used (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Emission Data	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(5)	Number of months the missing data procedures were used (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels) (Reported beginning in RY2011)	Emission Data	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(f)(1)	Measured average hourly CO_2 emission rate during the test (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(f)(1)	Measured average hourly CO_2 emission rate during the test (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(f)(2)	Average hourly feed or production rate during the test (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(f)(2)	Average hourly feed or production rate during the test (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(f)(3)	Site-specific emission factor (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Q - Iron and Steel Production	98.176(f)(3)	Site-specific emission factor (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(f)(4)	Annual feed or production rate used to estimate annual CO_2 emissions (No CEMS) (for all units except decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(f)(4)	Annual feed or production rate used to estimate annual CO_2 emissions (No CEMS) (for decarborization vessels that are not argon-oxygen decarbonization vessels)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(g)	The annual amount of coal charged to the coke ovens (in metric tons)	Deferred Until 2015	76 FR 53057, August 25, 2011
Q - Iron and Steel Production	98.176(h)	For flares burning coke oven gas or blast furnace gas, the information specified in §98.256(e) of subpart Y (Petroleum Refineries) of this part.	See entry for §98.256(e) of Subpart Y in this table	76 FR 30782, May 26, 2011
R - Lead Production	98.186(a)	Information required to be reported under §98.36 (CEMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
R - Lead Production	98.186(a)(1)	Identification number of each smelting furnace (CEMS)	Emission Data	76 FR 30782, May 26, 2011
R - Lead Production	98.186(a)(2)	Annual lead product production capacity (CEMS)	No Determination	76 FR 30782, May 26, 2011
R - Lead Production	98.186(a)(3)	Annual production for each product (CEMS)	CBI	76 FR 30782, May 26, 2011
R - Lead Production	98.186(a)(4)	Total number of smelting furnaces at facility used for lead production (CEMS)	Not CBI	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(1)	Identification number of each smelting furnace (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(2)	Annual process CO_2 emissions from each smelting furnace (No CEMS)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
R - Lead Production	98.186(b)(3)	Annual lead product production capacity for the facility (No CEMS)	No Determination	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(3)	Annual lead product production capacity for each smelting furnace (No CEMS)	No Determination	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(4)	Annual production for each lead product (No CEMS)	CBI	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(5)	Total number of smelting furnaces at facility used for production of lead products (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(6)	Annual material quantity used for the calculation of annual process CO_2 emissions (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
R - Lead Production	98.186(b)(7)	Annual average of the carbon content determinations for each material used for the calculation of annual process CO_2 emissions (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
R - Lead Production	98.186(b)(8)	Method used to determine the carbon content of each material (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(9)	How the monthly mass of carbon-containing materials with missing data was determined	Not CBI	76 FR 30782, May 26, 2011
R - Lead Production	98.186(b)(9)	Number of months the missing data procedures were used	Emission Data	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(a)	Information required to be reported under §98.36 (CEMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(a)(1)	Method used to determine the quantity of lime that is produced and the quantity of lime that is sold (CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(a)(2)	Method used to determine the quantity of calcined lime byproducts or wastes sold. (CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(a)(3)	Beginning of year inventories for lime product that is produced, by type. (CEMS)	CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(a)(3)	End of year inventories for lime product that is produced, by type. (CEMS)	CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(a)(4)	Beginning of year inventories for calcined lime byproducts or wastes sold, by type. (CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
S - Lime Manufacturing	98.196(a)(4)	End of year inventories for calcined lime byproducts or wastes sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(a)(5)	Annual amount of calcined lime byproducts or wastes sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(a)(6)	Annual amount of lime product sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(a)(7)	Annual amount of lime byproducts or wastes not sold (CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(a)(8)	Annual amount of lime product not sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(1)	Annual CO_2 process emissions from all kilns combined (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(a) & (b)(1)	Annual CO_2 process emissions from all kilns combined (where all or a portion of the CO_2 generated is collected for onsite use or shipment offsite)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(2)	Monthly emission factors (metric ton CO2/ton lime product) for each lime type product type produced (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(3)	Monthly emission factors for each calcined lime byproduct or waste by lime type that is sold (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(4)	Standard method used (ASTM or NLA testing method) to determine chemical compositions of each lime type produced (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(4)	Standard method used (ASTM or NLA testing method) to determine chemical compositions of each calcined lime byproduct or waste type. (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(5)	Monthly results of chemical composition analysis of each type of lime product produced (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
S - Lime Manufacturing	98.196(b)(5)	Monthly results of chemical composition analysis of each type of calcined lime byproduct or waste sold (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(6)	Annual results of chemical composition analysis of each type of lime byproduct or waste that is not sold (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
S - Lime Manufacturing	98.196(b)(7)	Method used to determine the quantity of calcined lime produced and/or lime sold (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(8)	Monthly amount of lime product sold, by type (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
S - Lime Manufacturing	98.196(b)(9)	Method used to determine the quantity of calcined lime byproducts or wastes sold (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(10)	Monthly amount of calcined lime byproducts or wastes sold, by type (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(11)	Annual amount of calcined lime byproducts or wastes that is not sold, by type (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(12)	Monthly weight or mass of each lime type produced (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(13)	Beginning of year inventories for each lime product that is produced (No CEMS)	CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(13)	End of year inventories for each lime product that is produced (No CEMS)	CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(14)	Beginning of year inventories for calcined lime byproducts or wastes sold. (No CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(14)	End of year inventories for calcined lime byproducts or wastes sold (No CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
S - Lime Manufacturing	98.196(b)(15)	Annual lime production capacity (tons) per facility	No Determination	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(16)	Number of times in the reporting year that missing data procedures were followed to measure lime production (months)	Emission Data	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(16)	Number of times in the reporting year that missing data procedures were followed to measure the chemical composition of lime products sold (months)	Emission Data	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(17)	Indicate whether CO_2 was used on-site	Not CBI	76 FR 30782, May 26, 2011
S - Lime Manufacturing	98.196(b)(17)(i)	Annual amount of CO_2 captured for use in the on-site process	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
S - Lime Manufacturing	98.196(b)(17)(ii)	Method used to determine the amount of CO_2 captured	Not CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(a)	Emissions of each cover or carrier gas in metric tons	Emission Data	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(b)	Types of production processes at the facility (e.g., primary, secondary, die casting).	Not CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(c)	Amount of magnesium produced or processed for each process type (in metric tons).	CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(d)	Cover gas flow rate for each production unit	CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(d)	Cover gas composition (in % by volume) for each production unit	CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(d)	Carrier gas flow rate for each production unit	CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(d)	Carrier gas composition (in % by volume) for each production unit	CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(e)	Report the length of time data is missing for each cover gas or carrier gas	Emission Data	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(e)	Method used to estimate emissions when data is missing	Emission Data	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(e)	Estimated GHG emissions during periods when data is missing	Emission Data	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(f)	Annual cover gas usage rate for the facility for each cover gas, excluding carrier gas	CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(g)	Explanation of any change greater than 30% in the facilities cover gas usage rate	CBI	76 FR 30782, May 26, 2011
T - Magnesium Production	98.206(h)	Description of any new melt protection technologies adopted to account for reduced or increased GHG emissions in any given year.	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
U - Miscellaneous Uses of Carbonate	98.216(a)	Annual CO_2 emissions from miscellaneous carbonate use	Emission Data	76 FR 30782, May 26, 2011
U - Miscellaneous Uses of Carbonate	98.216(b)	Annual mass of each carbonate type consumed	Deferred Until 2015	76 FR 53057, August 25, 2011
U - Miscellaneous Uses of Carbonate	98.216(c)	Measurement method used to determine the mass of carbonate	Not CBI	76 FR 30782, May 26, 2011
U - Miscellaneous Uses of Carbonate	98.216(d)	Method used to calculate emissions	Emission Data	76 FR 30782, May 26, 2011
U - Miscellaneous Uses of Carbonate	98.216(e)(1)	Annual carbonate consumption by carbonate type	Deferred Until 2015	76 FR 53057, August 25, 2011
U - Miscellaneous Uses of Carbonate	98.216(e)(2)	Annual calcination fractions used in calculations	Deferred Until 2015	76 FR 53057, August 25, 2011
U - Miscellaneous Uses of Carbonate	98.216(e)(3)	Method used to determine the calcination fraction	Not CBI	76 FR 30782, May 26, 2011
U - Miscellaneous Uses of Carbonate	98.216(f)(1)	Annual carbonate input by carbonate type	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
U - Miscellaneous Uses of Carbonate	98.216(f)(2)	Annual carbonate output by carbonate type	Deferred Until 2015	76 FR 53057, August 25, 2011
U - Miscellaneous Uses of Carbonate	98.216(g)	Number of times in the reporting year that missing data procedures were followed to measure carbonate consumption	Emission Data	76 FR 30782, May 26, 2011
U - Miscellaneous Uses of Carbonate	98.216(g)	Number of times in the reporting year that missing data procedures were followed to measure carbonate input	Emission Data	76 FR 30782, May 26, 2011
U - Miscellaneous Uses of Carbonate	98.216(g)	Number of times in the reporting year that missing data procedures were followed to measure carbonate output	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Name of persons to contact about application	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Contact person address	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Contact person phone number	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Contact person e-Mail address	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Contact person data signed	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Contact person data submitted	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Facility name	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Facility physical address	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
V - Nitric Acid Production	98.223(a)(2)	Unit ID number	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Type of unit (e.g., nitric acid train)	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Total number of units at facility included in this application	Not CBI	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Name of alternative method	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Reason for your application	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Supplemental data supporting alternative method[3]	No Determination	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.223(a)(2)	Description of alternative method	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(a)	Nitric Acid train identification number	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
V - Nitric Acid Production	98.226(b)	Annual process N_2O emissions from nitric acid train (metric tons)	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(d)	Annual nitric acid production during which N_2O abatement technology is operating (tons, 100% acid basis)	Deferred Until 2015	76 FR 53057, August 25, 2011
V - Nitric Acid Production	98.226(e)	Annual nitric acid production from the nitric acid facility	CBI	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(f)	Number of nitric acid trains	Not CBI	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(g)	Number of different N2O abatement technologies per nitric acid train "t"	Not CBI	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(h)	Abatement technologies used	Not CBI	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(i)	Abatement technology destruction efficiency (percent destruction)	Deferred Until 2015	76 FR 53057, August 25, 2011
V - Nitric Acid Production	98.226(j)	Abatement utilization factor for each abatement technology (fraction of annual production that abatement technology is operating).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
V - Nitric Acid Production	98.226(k)	Type of nitric acid process used for each nitric acid train (low, medium, high, or dual pressure).	No Determination	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(l)	Number of times in the reporting year that missing data procedures were followed to measure nitric acid production (months)	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(m)(1)	Emission factor calculated for each nitric acid train	Deferred Until 2015	76 FR 53057, August 25, 2011
V - Nitric Acid Production	98.226(m)(2)	Test method used for performance test.	Not CBI	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(m)(3)	Production rate per test run during performance test.	Deferred Until 2015	76 FR 53057, August 25, 2011
V - Nitric Acid Production	98.226(m)(4)	N_2O concentration per test run during performance test.	Deferred Until 2015	76 FR 53057, August 25, 2011
V - Nitric Acid Production	98.226(m)(5)	Volumetric flow rate per test run during performance test.	Deferred Until 2015	76 FR 53057, August 25, 2011
V - Nitric Acid Production	98.226(m)(6)	Number of test runs during performance test.	Deferred Until 2015	76 FR 53057, August 25, 2011
V - Nitric Acid Production	98.226(m)(7)	Number of times in the reporting year that a performance test had to be repeated.	Not CBI	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(n)(1)	If you requested Administrator approval for an alternative method of determining N_2O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Name of alternative method.	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(n)(2)	If you requested Administrator approval for an alternative method of determining N_2O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Description of alternative method.	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
V - Nitric Acid Production	98.226(n)(3)	If you requested Administrator approval for an alternative method of determining N_2O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Request date	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(n)(4)	If you requested Administrator approval for an alternative method of determining N_2O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Approval date	Emission Data	76 FR 30782, May 26, 2011
V - Nitric Acid Production	98.226(p)	Fraction control factor for each abatement technology (percent of total emissions from the nitic acid train that are sent to the abatement technology) if Equation V-3c is used.	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
W - Petroleum and Natural Gas Systems	98.234(f)(8)(i)	For extension requests for the use of BAMM beyond 2011 for sources listed in 40 CFR 98.234(f)(2), (3), (4), and (5)(iv): Initial notice of intent to submit an extension request for the use of BAMM beyond December 31, 2011.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 25392, May 1, 2013
W - Petroleum and Natural Gas Systems	98.234(f)(8)(ii)(A)	For extension requests for the use of BAMM beyond 2011 for sources listed in 40 CFR 98.234(f)(2), (3), (4), and (5)(iv): List of the specific source categories for which the owner or operator is seeking use of best available monitoring methods.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.234(f)(8)(ii)(A)	For extension requests for the use of BAMM beyond 2011 for sources listed in 40 CFR 98.234(f)(2), (3), (4), and (5)(iv): List of parameters for which the owner or operator is seeking use of best available monitoring methods.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.234(f)(8)(ii)(B)	For extension requests for the use of BAMM beyond 2011 for sources listed in 40 CFR 98.234(f)(2), (3), (4), and (5)(iv): Description of the unique or unusual circumstances, such as data collection methodologies that do not meet safety regulations or specific laws or regulations that conflict for each source for which an owner or operator is requesting use of BAMM.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.234(f)(8)(ii)(B)	For extension requests for the use of BAMM beyond 2011 for sources listed in 40 CFR 98.234(f)(2), (3), (4), and (5)(iv): Description of the unique or unusual circumstances, such as data collection methodologies that are technically infeasible for which an owner or operator is requesting use of BAMM.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.234(f)(8)(ii)(C)	For extension requests for the use of BAMM beyond 2011 for sources listed in 40 CFR 98.234(f)(2), (3), (4), and (5)(iv): Detailed explanation and supporting documentation of how the owner or operator will receive the services or equipment to comply with all of these subpart W reporting requirements.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.234(f)(8)(ii)(C)	For extension requests for the use of BAMM beyond 2011 for sources listed in 40 CFR 98.234(f)(2), (3), (4), and (5)(iv): Detailed explanation and supporting documentation of when the owner or operator will receive the services or equipment to comply with all of these subpart W reporting requirements.	CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(a)(1)	Annual emissions in metric tons of CO2e for each GHG from onshore petroleum and natural gas production.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(a)(2)	Annual emissions in metric tons of CO2e for each GHG from offshore petroleum and natural gas production.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(a)(3)	Annual emissions in metric tons of CO2e for each GHG from onshore natural gas processing.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(a)(4)	Annual emissions in metric tons of CO2e for each GHG from onshore natural gas transmission compression.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(a)(5)	Annual emissions in metric tons of CO2e for each GHG from underground natural gas storage.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(a)(6)	Annual emissions in metric tons of CO2e for each GHG from LNG storage.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(a)(7)	Annual emissions in metric tons of CO2e for each GHG from LNG import and export.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(a)(8)	Annual emissions in metric tons of CO2e for each GHG from natural gas distribution.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(b)	For offshore petroleum and natural gas production, report emissions of CO2 as applicable to the source type (in metric tons CO2e per year at standard conditions) individually for all the emissions source types listed in the most recent BOEMRE study.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(b)	For offshore petroleum and natural gas production, report emissions of CH4 as applicable to the source type (in metric tons CO2e per year at standard conditions) individually for all the emissions source types listed in the most recent BOEMRE study.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(b)	For offshore petroleum and natural gas production, report emissions of N2O as applicable to the source type (in metric tons CO2e per year at standard conditions) individually for all the emissions source types listed in the most recent BOEMRE study.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(1)(i)	Actual count of natural gas pneumatic high bleed devices as applicable.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(1)(i)	Estimated count of natural gas pneumatic high bleed devices s applicable.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(1)(ii)	Actual count of natural gas pneumatic low bleed devices as applicable.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(1)(ii)	Estimated count of natural gas pneumatic low bleed devices as applicable.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iii)	Actual count of natural gas pneumatic intermittent bleed devices as applicable.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iii)	Estimated count of natural gas pneumatic intermittent bleed devices as applicable.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iv)	For high bleed pneumatic devices, report annual CO2 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iv)	For high bleed pneumatic devices, report annual CH4 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iv)	For intermittent bleed pneumatic devices, report annual CO2 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iv)	For intermittent bleed pneumatic devices, report annual CH4 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iv)	For low bleed pneumatic devices, report annual CO2 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(1)(iv)	For low bleed pneumatic devices, report annual CH4 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(2)(i)	Count of natural gas driven pneumatic pumps.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(2)(ii)	For all natural gas driven pneumatic pumps combined, report annual CO2 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(2)(ii)	For all natural gas driven pneumatic pumps combined, report annual CH4 emissions at the facility level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(3)(i)	Total throughput of each acid gas removal unit using a meter or engineering estimate based on process knowledge or best available data in million cubic feet per year.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(3)(ii)	For Calculation Methodology 1 of §98.233(d), annual average fraction of CO2 content in the vent from each acid gas removal unit (refer to §98.233(d)(6)).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(3)(ii)	For Calculation Methodology 2 of §98.233(d), annual average fraction of CO2 content in the vent from each acid gas removal unit (refer to §98.233(d)(6)).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(3)(iii)	For Calculation Methodology 3 of §98.233(d), annual average volume fraction of CO2 content of natural gas into each acid gas removal unit (refer to §98.233(d)(7) and (d)(8)).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(3)(iii)	For Calculation Methodology 3 of §98.233(d), annual average volume fraction of CO2 content of natural gas out of each acid gas removal unit (refer to §98.233(d)(7) and (d)(8)).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(3)(iv)	Annual quantity of CO2, that was recovered from each acid gas removal unit and transferred outside the facility (metric tons CO2e), under subpart PP of this part.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(3)(v)	Annual CO2 emissions for each acid gas removal unit (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(3)(vi)	For onshore natural gas processing industry segment only, a unique name or ID number for each acid gas removal unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(3)(vii)	Indication of which calculation methodology was used for each acid gas removal unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(A)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Glycol dehydrator feed natural gas flow rate in MMscfd, determined by engineering estimate based on best available data.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(B)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Glycol dehydrator absorbent circulation pump type.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(C)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Report whether stripper gas is used in glycol dehydrator.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(D)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Report whether a flash tank separator is used in glycol dehydrator.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(E)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Report type of absorbent.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(F)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Total time the glycol dehydrator is operating in hours.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(G)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Temperature of the wet natural gas (degrees Fahrenheit).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(G)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Pressure of the wet natural gas (psig).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(H)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Concentration of CO2 in wet natural gas.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(H)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Concentration of CH4 in wet natural gas.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(I)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: What vent gas controls are used (refer to §98.233(e)(3) and (e)(4)).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(J)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Annual CO2 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(J)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Annual CH4 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(K)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Annual CO2 emissions that resulted from flaring process gas from the dehydrator (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(K)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Annual CH4 emissions that resulted from flaring process gas from the dehydrator (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(K)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Annual N2O emissions that resulted from flaring process gas from the dehydrator (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(i)(L)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd for the onshore natural gas processing industry segment only: A unique name or ID number for the glycol dehydrator.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(ii)(A)	For all glycol dehydrators with throughput less than 0.4 MMscfd: Count of glycol dehydrators.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(4)(ii)(B)	For all glycol dehydrators with throughput less than 0.4 MMscfd: Which vent gas controls are used (refer to §98.233(e)(3) and (e)(4)).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(ii)(C)	For all glycol dehydrators with annual average daily throughput less than 0.4 MMscfd combined: annual CO2 emissions at the facility level that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(ii)(C)	For all glycol dehydrators with annual average daily throughput less than 0.4 MMscfd combined: annual CH4 emissions at the facility level that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(ii)(D)	For all glycol dehydrators with annual average daily throughput less than 0.4 MMscfd combined: annual CO2 emissions at the facility level that resulted from the flaring of process gas (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(ii)(D)	For all glycol dehydrators with annual average daily throughput less than 0.4 MMscfd combined: annual CH4 emissions at the facility level that resulted from the flaring of process gas (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(ii)(D)	For all glycol dehydrators with annual average daily throughput less than 0.4 MMscfd combined: annual N2O emissions at the facility level that resulted from the flaring of process gas (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(iii)(A)	Count of absorbent desiccant dehydrators.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(iii)(B)	Annual CO2 emissions at the facility level for all absorbent desiccant dehydrators combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(4)(iii)(B)	Annual CH4 emissions at the facility level for all absorbent desiccant dehydrators combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(A)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Count of wells vented to the atmosphere for liquids unloading.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(B)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Whether the selected well from the tubing diameter and pressure group combination had a plunger lift (yes/no).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(B)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Count of plunger lifts.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(C)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Cumulative number of unloadings vented to the atmosphere.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(D)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Average flow rate of the measured well venting (cubic feet per hour) (refer to §98.233(f)(1)(i)(A)).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(E)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Internal casing diameter or internal tubing diameter in inches, where applicable.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(E)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Well depth of each well, in feet, selected to represent emissions in that tubing size and pressure combination.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(F)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Casing pressure, in psia, of each well selected to represent emissions in that tubing size group and pressure group combination that does not have a plunger lift.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(G)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Tubing pressure, in psia, of each well selected to represent emissions in a tubing size group and pressure group combination that has a plunger lift.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(H)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Annual CO2 emissions (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(i)(H)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Annual CH4 emissions (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(ii)(A)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following for each sub-basin category: Count of wells vented to the atmosphere for liquids unloading.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(5)(ii)(B)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following for each sub-basin category: Count of plunger lifts.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(ii)(C)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following for each sub-basin category: Cumulative number of unloadings vented to the atmosphere.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(5)(ii)(D)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following for each sub-basin category: Average internal casing diameter, in inches, for all wells, where applicable.	Not CBI	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(ii)(E)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Annual CO2 emissions (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(5)(ii)(E)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Annual CH4 emissions (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(A)	For gas well completions with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Total count of completions in calendar year.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(B)	For gas well completions with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, measured flow rate of backflow during well completion (standard cubic feet per hour).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(C)	For gas well workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Total count of workovers in calendar year that flare gas or vent gas to the atmosphere.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(D)	For gas well workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, measured flow rate of backflow during well workover (standard cubic feet per hour).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(E)	For gas well completions with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, total number of days of backflow from all wells during completions.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(F)	For gas well workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, total number of days of backflow from all wells during workovers.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(G)	For gas well completions with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Number of completions employing purposely designed equipment that separates natural gas from the backflow.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(G)	For gas well completions with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: The amount of natural gas (standard cubic feet) recovered using engineering estimate based on best available data.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(H)	For gas well workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Number of workovers employing purposely designed equipment that separates natural gas from the backflow.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(H)	For gas well workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: The amount of natural gas (standard cubic feet) recovered using engineering estimate based on best available data.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(I)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual CO2 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(I)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual CH4 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(J)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual CO2 emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(J)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual CH4 emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(J)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual N2O emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(A)	For gas well completions and workovers without hydraulic fracturing: Total count of completions in calendar year.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(B)	For gas well completions and workovers without hydraulic fracturing: Total count of workovers in calendar year that flare gas or vent gas to the atmosphere.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(C)	For gas well completions and workovers without hydraulic fracturing: Total number of days of gas venting to the atmosphere during backflow for completion.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(D)	For gas well completions and workovers without hydraulic fracturing: Annual CO2 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(D)	For gas well completions and workovers without hydraulic fracturing: Annual CH4 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(E)	For gas well completions and workovers without hydraulic fracturing: Annual CO2 emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(E)	For gas well completions and workovers without hydraulic fracturing: Annual CH4 emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(ii)(E)	For gas well completions and workovers without hydraulic fracturing: Annual N2O emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(J)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual CO2 emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(J)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual CH4 emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(6)(i)(J)	For gas well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Annual N2O emissions that resulted from flares (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(7)(i)(A)	For blowdown vent stack emission source, for each unique physical volume that is blown down more than once during the calendar year: Total number of blowdowns for each unique physical volume in the calendar year (when using Eq. W-14B).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(7)(i)(A)	For blowdown vent stack emission source, for each unique physical volume that is blown down more than once during the calendar year: Total number of blowdowns for each unique physical volume in the calendar year (when using Equation W-14A).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(7)(i)(B)	For blowdown vent stack emission source, for each unique physical volume that is blown down more than once during the calendar year: Annual CO2 emissions, for each unique physical blowdown volume (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(7)(i)(B)	For blowdown vent stack emission source, for each unique physical volume that is blown down more than once during the calendar year: Annual CH4 emissions, for each unique physical blowdown volume (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(7)(i)(C)	For blowdown vent stack emission source, for each unique physical volume that is blown down more than once during the calendar year: A unique name or ID number for the unique physical volume.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(7)(ii)(A)	For blowdown vent stack emission source, for all unique volumes that are blown down once during the calendar year: Total number of blowdowns for all unique physical volumes in the calendar year.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(7)(ii)(B)	For blowdown vent stack emission source, for all unique volumes that are blown down once during the calendar year: Annual CO2 emissions, from all unique physical volumes as an aggregate per facility (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(7)(ii)(B)	For blowdown vent stack emission source, for all unique volumes that are blown down once during the calendar year: Annual CH4 emissions, from all unique volumes as an aggregate per facility (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(A)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Number of wellhead separators sending oil to atmospheric tanks.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(B)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Estimated average separator temperature (degrees Fahrenheit) (when using methodology 1).	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(B)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Estimated average separator temperature (degrees Fahrenheit) (when using methodology 2).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(B)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Estimated average pressure (psig) (when using methodology 1).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(B)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Estimated average pressure (psig) (when using methodology 2).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(C)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Estimated average sales oil stabilized API gravity (degrees) (when using methodology 1).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(C)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Estimated average sales oil stabilized API gravity (degrees) (when using methodology 2).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(D)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Count of hydrocarbon tanks at well pads.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(E)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Best estimate of count of stock tanks not at well pads receiving your oil.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(F)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Total volume of oil from all wellhead separators sent to tank(s) in barrels per year (when using methodology 1).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(F)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Total volume of oil from all wellhead separators sent to tank(s) in barrels per year (when using methodology 2).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(G)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Count of tanks with emissions control measures, either vapor recovery system or flaring, for tanks at well pads.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(H)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Best estimate of count of stock tanks assumed to have emissions control measures not at well pads, receiving your oil.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(I)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Range of concentrations of CH4 in flash gas.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(I)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Range of concentrations of CO2 in flash gas.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(J)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 of 40 CFR 98.233(j), report by sub-basin category: Annual CO2 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), for all wellhead gas-liquid separator or storage tanks using Calculation Methodology 1 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(J)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 of 40 CFR 98.233(j), report by sub-basin category: Annual CH4 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), for all wellhead gas-liquid separator or storage tanks using Calculation Methodology 1 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(J)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 2 of 40 CFR 98.233(j), report by sub-basin category: Annual CO2 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 2 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(J)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 2 of 40 CFR 98.233(j), report by sub-basin category: Annual CH4 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 2 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(K)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 of 40 CFR 98.233(j), report by sub-basin category: Annual CO2 gas quantities that were recovered (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 1 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(K)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 of 40 CFR 98.233(j), report by sub-basin category: Annual CH4 gas quantities that were recovered (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 1 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(K)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 2 of 40 CFR 98.233(j), report by sub-basin category: Annual CO2 gas quantities that were recovered (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 2 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(K)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 2 of 40 CFR 98.233(j), report by sub-basin category: Annual CH4 gas quantities that were recovered (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 2 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(L)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Annual CO2 emissions that resulted from flaring gas (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 1 and for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 2 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(L)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Annual CH4 emissions that resulted from flaring gas (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 1 and for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 2 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(i)(L)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Annual N2O emissions that resulted from flaring gas (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 1 and for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 2 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(A)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Total volume of sales oil from all wells (barrels per year).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(B)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Total number of wells sending oil directly to tanks.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(C)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Total number of wells sending oil to separators off the well pads.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(D)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Sales oil API gravity range (degrees) for wells in 40 CFR 98.236(c)(8)(ii)(B) and (C).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(E)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Count of hydrocarbon tanks on well pads.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(F)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Count of hydrocarbon tanks, both on and off well pads assumed to have emissions control measures: either vapor recovery system or flaring of tank vapors.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(G)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual CO2 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), for Calculation Methodology 3 or 4 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(G)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual CH4 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), for Calculation Methodology 3 or 4 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(H)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual CO2 gas quantities that were recovered (metric tons CO2e), for Calculation Methodology 3 or 4 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(H)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual CH4 gas quantities that were recovered (metric tons CO2e), for Calculation Methodology 3 or 4 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(I)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual CO2 emissions that resulted from flaring gas (metric tons CO2e), for Calculation Methodology 3 and 4 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(I)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual CH4 emissions that resulted from flaring gas (metric tons CO2e), for Calculation Methodology 3 and 4 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(ii)(I)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual N2O emissions that resulted from flaring gas (metric tons CO2e), for Calculation Methodology 3 and 4 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(A)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Number of wellhead separators.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(B)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W–15 of 40 CFR 98.233: Number of wells without wellhead separators.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(C)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W–15 of 40 CFR 98.233: Total volume of oil production in barrels per year.	CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(D)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Best estimate of fraction of production sent to tanks with assumed control measures: either vapor recovery system or flaring of tank vapors.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(E)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Count of hydrocarbon tanks on well pads.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(F)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual CO2 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(F)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual CH4 emissions that resulted from venting gas to the atmosphere (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(G)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual CO2 gas quantities that were recovered (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(G)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual CH4 gas quantities that were recovered (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(H)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual CO2 emissions that resulted from flaring gas (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(H)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual CH4 emissions that resulted from flaring gas (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iii)(H)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual N2O emissions that resulted from flaring gas (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iv)(A)	If wellhead separator dump valve is functioning improperly during the calendar year: Count of wellhead separators that dump valve factor is applied.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iv)(B)	If wellhead separator dump valve is functioning improperly during the calendar year: Annual CO2 emissions that resulted from venting gas to the atmosphere (metric tons CO2e) at the sub-basin level for improperly functioning dump valves.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(8)(iv)(B)	If wellhead separator dump valve is functioning improperly during the calendar year: Annual CH4 emissions that resulted from venting gas to the atmosphere (metric tons CO2e) at the sub-basin level for improperly functioning dump valves.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(9)(i)	For transmission tank emissions identified in § 98.233(k) from scrubber dump valves report the following: For each vent stack, annual CO2 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(9)(i)	For transmission tank emissions identified in § 98.233(k) from scrubber dump valves report the following: For each vent stack, annual CH4 emissions that resulted from venting gas directly to the atmosphere (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(9)(ii)	For transmission tank emissions identified in § 98.233(k) from scrubber dump valves report the following: Annual CO2 emissions for each transmission storage tank that resulted from flaring process gas from the transmission storage tank (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(9)(ii)	For transmission tank emissions identified in § 98.233(k) from scrubber dump valves report the following: Annual CH4 emissions for each transmission storage tank that resulted from flaring process gas from the transmission storage tank (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(9)(ii)	For transmission tank emissions identified in § 98.233(k) from scrubber dump valves report the following: Annual N2O emissions for each transmission storage tank that resulted from flaring process gas from the transmission storage tank (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(9)(iii)	For transmission tank emissions identified in § 98.233(k) from scrubber dump valves report the following: A unique name or ID number for the vent stack monitored according to 40 CFR 98.233(k).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(10)(i)	For well testing venting and flaring (refer to Equation W–17A or W– 17B of § 98.233),: Number of wells tested per basin in calendar year.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(10)(ii)	For well testing venting and flaring (refer to Equation W–17A or W– 17B of § 98.233),: Average gas to oil ratio for each basin.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(10)(iii)	For well testing venting and flaring (refer to Equation W–17A or W– 17B of § 98.233),: Average number of days the well is tested in a basin.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(10)(iv)	For well testing venting: Annual CO2 emissions at the facility level (metric tons CO2e) from well testing venting.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(10)(iv)	For well testing venting: Annual CH4 emissions at the facility level (metric tons CO2e) from well testing venting.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(10)(v)	For well testing flaring: Annual CO2 emissions at the facility level (metric tons CO2e) from well testing flaring.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(10)(v)	For well testing flaring: Annual CH4 emissions at the facility level (metric tons CO2e) from well testing flaring.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(10)(v)	For well testing flaring: Annual N2O emissions at the facility level (metric tons CO2e) from well testing flaring.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(11)(i)	For associated natural gas venting and flaring (refer to Equation W–18 of § 98.233), for each basin: Number of wells venting or flaring associated natural gas in a calendar year.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(11)(ii)	For associated natural gas venting and flaring (refer to Equation W–18 of § 98.233) for each basin: Average gas to oil ratio.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(11)(iii)	For associated natural gas venting for each basin: Annual CO2 emissions at the facility level (metric tons CO2e) at the facility level from associated natural gas venting.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(11)(iii)	For associated natural gas venting for each basin: Annual CH4 emissions at the facility level (metric tons CO2e) at the facility level from associated natural gas venting.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(11)(iv)	For associated natural gas flaring for each basin: Annual CO2 emissions at the facility level (metric tons CO2e) at the facility level from associated natural gas flaring.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(11)(iv)	For associated natural gas flaring for each basin: Annual CH4 emissions at the facility level (metric tons CO2e) at the facility level from associated natural gas flaring.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(11)(iv)	For associated natural gas flaring for each basin: Annual N2O emissions at the facility level (metric tons CO2e) at the facility level from associated natural gas flaring.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(i)	For flare stacks, for each flare: Whether flare has a continuous flow monitor.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(12)(ii)	For flare stacks, for each flare: Volume of gas sent to flare (cubic feet per year).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(12)(iii)	For flare stacks, for each flare: Percent of gas sent to un-lit flare determined by engineering estimate and process knowledge based on best available data and operating records.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(iv)	For flare stacks, for each flare: Whether flare has a continuous gas analyzer.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(v)	For flare stacks, for each flare: Flare combustion efficiency.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(12)(vi)	For flare stacks, for each flare: Uncombusted CH4 emissions (metric tons CO2e) (refer to Equation W-19 of §98.233).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(vii)	For flare stacks, for each flare: Uncombusted CO2 emissions (metric tons CO2e) (refer to Equation W-20 of §98.233).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(viii)	For flare stacks, for each flare: Combusted CO2 emissions (metric tons CO2e) (refer to Equation W-21 of §98.233).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(ix)	For flare stacks, for each flare: N2O emissions (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(x)	For flare stacks, for each flare in the natural gas processing industry segment: A unique name or ID number for the flare stack.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(12)(xi)	For flare stacks, for each flare, in the case that a CEMS is used to measure CO2 emissions for the flare stack, indicate that a CEMS was used in the annual report.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(12)(xi)	For flare stacks, for each flare, in the case that a CEMS is used to measure CO2 emissions for the flare stack, report the combusted CO2 and uncombusted CO2 as a combined number.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(A)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Number of wet seals connected to the degassing vent.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(B)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Fraction of vent gas recovered for fuel or sales or flared.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(C)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Annual throughput in million scf (using an engineering calculation based on best available data).	CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(D)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Type of meters used for making measurements.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(E)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Reporter emission factor for wet seal oil degassing vents in cubic feet per hour (refer to Equation W-24 of §98.233).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(F)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Total time the compressor is operating (hours).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(G)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Seal oil degassing vent emissions for compressors measured in metric tons of CO2e for each gas. (refer to Equation W-22 of §98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(13)(i)(G)	For each centrifugal compressor with wet seals in operational mode, report the following for each degassing vent: Seal oil degassing vent emissions for compressors not measured in metric tons of CO2e for each gas. (refer to Equations W-23 and W-24 of §98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(ii)(A)	For each wet seal and each dry seal centrifugal compressor in operating mode: Total time the compressor is in operating mode (hours).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(13)(ii)(B)	For each wet seal and each dry seal centrifugal compressor in operating mode: Reporter emission factor for blowdown vents (cubic feet per hour) (refer to Equation W-24 of §98.233).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(13)(ii)(C)	For each wet seal and each dry seal centrifugal compressor in operating mode: Blowdown vent emissions when in operating mode in metric tons of CO2e for each gas. (refer to Equations W-23 and W-24 of §98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(iii)(A)	For each wet seal and each dry seal centrifugal compressor in not operating, depressurized mode: Total time the compressor is in shutdown, depressurized mode (hours).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(13)(iii)(B)	For each wet seal and each dry seal centrifugal compressor in not operating, depressurized mode: Reporter emission factor for isolation valve emissions in shutdown, depressurized mode (cubic feet per hour) (refer to Equation W-24 of §98.233).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(13)(iii)(C)	For each wet seal and each dry seal centrifugal compressor in not operating, depressurized mode: Report the isolation valve leakage emissions in not operating, depressurized mode in metric tons of CO2e for each gas. (refer to Equations W-23 and W-24 of §98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(13)(iv)	For centrifugal compressors: Report Total annual compressor emissions from all modes of operation in metric tons of CO2e for each gas. (refer to Equation W-24 of §98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(13)(v)(A)	For centrifugal compressors in onshore petroleum and natural gas production: Count of compressors.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(13)(v)(B)	For centrifugal compressors in onshore petroleum and natural gas production: Report annual emissions in metric tons of CO2e for each gas (refer to Equation W–25 of § 98.233) collectively.	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(14)(i)(A)	For reciprocating compressors rod packing emissions with or without a vent in operating mode: Annual throughput (million scf), using an engineering calculation based on best available data.	CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(14)(i)(B)	For reciprocating compressors rod packing emissions with or without a vent in operating mode: Total time the reciprocating compressor is in operating mode (hours).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(14)(i)(C)	For reciprocating compressors rod packing emissions with or without a vent in operating mode: Rod packing emissions for compressors measured in metric tons of CO2e for each gas (refer to Equation W-26 of §98.233)	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(14)(i)(C)	For reciprocating compressors rod packing emissions with or without a vent in operating mode: Rod packing emissions for compressors not measured in metric tons of CO2e for each gas (refer to Equations W-27 and W-28 of §98.233)	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(14)(ii)(A)	For reciprocating compressors blowdown vents not manifold to rod packing vents, in operating and standby pressurized mode: Total time the compressor is in standby, pressurized mode (hours).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(14)(ii)(B)	For reciprocating compressors blowdown vents not manifold to rod packing vents, in operating and standby pressurized mode: Reporter emission factor for blowdown vents (cubic feet per hour) (refer to Equation W-28 of §98.233).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(14)(ii)(C)	For reciprocating compressors blowdown vents not manifold to rod packing vents, in operating and standby pressurized mode: Blowdown vent emissions when in operating and standby pressurized modes in metric tons of CO2e for each gas. (refer to Equations W-27 and W-28 of §98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(14)(iii)(A)	For reciprocating compressors in not operating, depressurized mode: Total time the compressor is in not operating, depressurized mode.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(14)(iii)(B)	For reciprocating compressors in not operating, depressurized mode: Reporter emission factor for isolation valve emissions in not operating, depressurized mode (cubic feet per hour) (refer to Equation W-28 of §98.233).	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(14)(iii)(C)	For reciprocating compressors in not operating, depressurized mode: Isolation valve leakage emissions in not operating, depressurized mode in metric tons of CO2e for each gas .	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(14)(iv)	For reciprocating compressors: Total annual compressor emissions from all modes of operation in metric tons of CO2e for each gas (refer to Equations W-27 and W-28 of §98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(14)(v)(A)	For reciprocating compressors in onshore petroleum and natural gas production: Count of compressors.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(14)(v)(B)	For reciprocating compressors in onshore petroleum and natural gas production: Report annual emissions in metric tons of CO2e for each gas collectively (refer to Equation W–29 of § 98.233).	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(15)(i)(A)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks found in each leak survey: Total count of leaks found in each complete survey listed by date of survey and each component type for which there is a leaker emission factor in Tables W-2, W-3, W-4, W-5, W-6, and W-7 of this subpart.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(15)(i)(B)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks found in each leak survey: For onshore natural gas processing, range of concentrations of CO2 (refer to Equation W-30A of 40 CFR 98.233).	Not CBI	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(15)(i)(B)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks found in each leak survey: For onshore natural gas processing, range of concentrations of CH4 (refer to Equation W-30A of 40 CFR 98.233).	Not CBI	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(15)(i)(C)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks found in each leak survey: Annual CH4 emissions in metric tons CO2e for each gas (refer to Equation W-30A of 40 CFR 98.233) by component type	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(15)(i)(C)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks found in each leak survey: Annual CO2 emissions in metric tons CO2e for each gas (refer to Equation W-30A of 40 CFR 98.233) by component type	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(15)(ii)(A)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks calculated using population counts and factors: For source categories 40 CFR 98.230(a)(4), (a)(5), (a)(6), and (a)(7), total count for each component type in Tables W-4, W-5, and W-6 of this subpart for which there is a population emission factor, listed by major heading and component type.	Deferred Until 2015	76 FR 53057, August 25, 2011; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(15)(ii)(B)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks calculated using population counts and factors: For onshore production (refer to 40 CFR 98.230 paragraph (a)(2)), total count for each type of major equipment in Table W-1B and Table W-1C of this subpart, by facility.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(15)(ii)(C)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks calculated using population counts and factors: Annual CH4 emissions (refer to Equation W-31 of 40 CFR 98.233) by component type (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(15)(ii)(C)	For each component type (major equipment type for onshore production) that uses emission factors for estimating emissions (refer to §98.233(q) and (r)): For equipment leaks calculated using population counts and factors: Annual CO2 emissions (refer to Equation W-31 of 40 CFR 98.233) by component type (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(i)	For local distribution companies: Total number of above grade T-D transfer stations in the facility.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(ii)	For local distribution companies: Number of years over which all T-D transfer stations will be monitored at least once.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(16)(iii)	For local distribution companies: Number of T-D stations monitored in calendar year.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(iv)	For local distribution companies: Total number of below grade T-D transfer stations in the facility.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(v)	For local distribution companies: Total number of above grade metering-regulating stations (this count will include above grade T-D transfer stations) in the facility.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(vi)	For local distribution companies: Total number of below grade metering-regulating stations (this count will include below grade T-D transfer stations) in the facility.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(viii)	For local distribution companies: Leak factor for meter/regulator run developed in Equation W-32 of §98.233.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(ix)	For local distribution companies: Number of miles of unprotected steel distribution mains.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(x)	For local distribution companies: Number of miles of protected steel distribution mains.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xi)	For local distribution companies: Number of miles of plastic distribution mains.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xii)	For local distribution companies: Number of miles of cast iron distribution mains.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xiii)	For local distribution companies: Number of unprotected steel distribution services.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xiv)	For local distribution companies: Number of protected steel distribution services.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xv)	For local distribution companies: Number of plastic distribution services.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xvi)	For local distribution companies: Number of copper distribution services.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xvii)	For local distribution companies: Annual CO2 emissions from all above grade T-D transfer stations combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xvii)	For local distribution companies: Annual CH4 emissions from all above grade T-D transfer stations combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xviii)	For local distribution companies: Annual CO2 emissions from all below grade T-D transfer stations combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xviii)	For local distribution companies: Annual CH4 emissions from all below grade T-D transfer stations combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xix)	For local distribution companies: Annual CO2 emissions from all above grade metering-regulating stations (including T-D transfer stations) combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xix)	For local distribution companies: Annual CH4 emissions from all above grade metering-regulating stations (including T-D transfer stations) combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(16)(xx)	For local distribution companies: Annual CO2 emissions from all below grade metering-regulating stations (including T-D transfer stations) combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236c16(xx)	For local distribution companies: Annual CH4 emissions from all below grade metering-regulating stations (including T-D transfer stations) combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236c16(xx)(i)	For local distribution companies: Annual CO2 emissions from all distribution mains combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236c16(xx)(i)	For local distribution companies: Annual CH4 emissions from all distribution mains combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236c16(xx)(ii)	For local distribution companies: Annual CO2 emissions from all distribution services combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236c16(xx)(ii)	For local distribution companies: Annual CH4 emissions from all distribution services combined (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(17)(i)	For each EOR injection pump blowdown: Pump capacity (barrels per day).	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(17)(ii)	For each EOR injection pump blowdown: Volume of critical phase gas between isolation valves.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(17)(iii)	For each EOR injection pump blowdown: Number of blowdowns per year.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(17)(iv)	For each EOR injection pump blowdown: Critical phase EOR injection gas density.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(17)(v)	For each EOR injection pump blowdown: For each EOR pump, report annual CO2 emissions expressed in metric tons CO2e.	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(17)(v)	For each EOR injection pump blowdown: For each EOR pump, report annual CH4 emissions expressed in metric tons CO2e.	Emission Data	77 FR 48072, August 13, 2012; 77 FR 51494, August 24, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(18)(i)	For EOR hydrocarbon liquids dissolved CO2 for each sub-basin category: Volume of crude oil produced (barrels per year).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(18)(ii)	For EOR hydrocarbon liquids dissolved CO2 for each sub-basin category: Amount of CO2 retained in hydrocarbon liquids (metric tons per barrel), under standard conditions.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(c)(18)(iii)	For EOR hydrocarbon liquids dissolved CO2 for each sub-basin category: Annual CO2 emissions at the sub-basin level (metric tons CO2e).	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(i)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative number of external fuel combustion units with a rated heat capacity equal to or less than 5 mmBtu/hr, by type of unit.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(ii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative number of external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr, by type of unit.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(iii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Annual CO2 emissions from external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr (metric tons CO2e), by type of unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(iii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Annual CH4 emissions from external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr (metric tons CO2e), by type of unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(iii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Annual N2O emissions from external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr (metric tons CO2e), by type of unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(iv)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr, by fuel type.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(c)(19)(v)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative number of internal fuel combustion units, not compressor-drivers, with a rated heat capacity equal to or less than 1 mmBtu/hr or 130 horse power, by type of unit.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(vi)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Annual CO2 emissions from internal combustion units greater than 1mmBtu/hr (metric tons CO2e), by type of unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(vi)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Annual CH4 emissions from internal combustion units greater than 1mmBtu/hr (metric tons CO2e), by type of unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(vi)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Annual N2O emissions from internal combustion units greater than 1mmBtu/hr (metric tons CO2e), by type of unit.	Emission Data	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(c)(19)(vii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in internal combustion units with a rated heat capacity larger than 1 mmBtu/hr or 130 horsepower, by fuel type.	Deferred Until 2015	76 FR 53057, August 25, 2011
W - Petroleum and Natural Gas Systems	98.236(d)	Report annual throughput as determined by engineering estimate based on best available data for each industry segment listed in paragraphs (a)(1) through (a)(8) of this section.	CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(e)	For onshore petroleum and natural gas production, report the best available estimate of API gravity for each oil sub-basin category.	Not CBI	77 FR 48072, August 13, 2012
W - Petroleum and Natural Gas Systems	98.236(e)	For onshore petroleum and natural gas production, report the best available estimate of gas to oil ratio for each oil sub-basin category.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
W - Petroleum and Natural Gas Systems	98.236(e)	For onshore petroleum and natural gas production, report the best available estimate of average low pressure separator pressure for each oil sub-basin category.	Not CBI	77 FR 48072, August 13, 2012
X-Petrochemical Production	98.246(a)(1)	Petrochemical process unit ID number or other appropriate descriptor (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(2)	Type of petrochemical produced (No CEMS)	CBI	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(2)	Names of other products (No CEMS)	CBI	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(2)	Names of carbon-containing feedstocks (No CEMS)	CBI	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(3)	Annual CO_2 emissions calculated using Equation X-4. (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(4)	Monthly volume values (used in Equations X-1 through X-3) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
X-Petrochemical Production	98.246(a)(4)	Monthly mass values (used in Equations X-1 through X-3) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
X-Petrochemical Production	98.246(a)(4)	Monthly carbon content values (used in Equations X-1 through X-3) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
X-Petrochemical Production	98.246(a)(4)	Molecular weights for gaseous feedstocks (used in Equation X-1) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
X-Petrochemical Production	98.246(a)(4)	Molecular weights for gaseous products (used in Equation X-1) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
X-Petrochemical Production	98.246(a)(4)	Indicate whether you used the alternative to sampling and analysis specified in §98.243(c)(4). (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
X-Petrochemical Production	98.246(a)(4)	Temperature at which gaseous feedstock and product volumes used in Equation X-1 were determined. (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(5)	Annual quantity of petrochemicals produced from each process unit (No CEMS)	CBI	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(6)	Name of each method listed in §98.244 used to determine a measured parameter (or description of manufacturer's recommended method)(No CEMS) (Reported in RY2010, RY2011, and RY2012 only)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(6)(i)	Name of each method used to determine carbon content in accordance with §98.244(b)(4).(No CEMS) (Reported beginning RY2013)	Not CBI	78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(6)(i)	Name of each method used to determine molecular weight in accordance with §98.244(b)(4). (No CEMS) (Reported beginning RY2013)	Not CBI	78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(6)(ii)	Description of each type of device (e.g., flow meter, weighing device) used to determine flow or mass in accordance §98.244(b)(1) through (3). (No CEMS) (Reported beginning RY2013)	Not CBI	78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(6)(iii)	Identification of each method (i.e., method number, title, or other description) used to determine flow or mass in accordance with §98.244(b)(1) through (3). (No CEMS) (Reported beginning RY2013)	Not CBI	78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(8)	Identification of each combustion unit that burned both process off-gas and supplemental fuel, including combustion units that are not part of the petrochemical process unit.	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(9)	If you comply with the alternative to sampling and analysis specified in §98.243(c)(4), the number of days during which off-specification product was produced (No CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
X-Petrochemical Production	98.246(a)(9)	Volume or mass of off-specification product produced (No CEMS) (Reported in RY2010, RY2011, and RY2012 only)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(9)	If you comply with the alternative to sampling and analysis specified in §98.243(c)(4), and if applicable the date of any process change that reduced the composition to less than 99.5 percent (No CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(10)	Flow and carbon content of wastewater (Optional) (No CEMS)	CBI	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(10)	Annual mass of carbon released in fugitive emissions (Optional) (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(10)	Annual mass of carbon released in process vents that are not controlled with a combustion device (Optional) (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(a)(11)(i)	If you determine carbon content or composition of a feedstock or product using method in §98.244(b)(4)(xv)(B): name and title of the method used (include in each annual report). (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(11)(ii)	If you determine carbon content or composition of a feedstock or product using method in §98.244(b)(4)(xv)(B): a copy of the method (include in first annual report and in subsequent annual report if changes are made).(No CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(a)(11)(iii)	If you determine carbon content or composition of a feedstock or product using method in §98.244(b)(4)(xv)(B): an explanation of why an alternative to themethods listed in §98.244(b)(4)(i) is needed (include in first annual report and in subsequent annual report if changes are made). (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(1)	If measure emissions in accordance with 98.243(b): report the petrochemical process unit ID or other appropriate descriptor. (CEMS)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
X-Petrochemical Production	98.246(b)(1)	If measure emissions in accordance with 98.243(b): report the type of petrochemical produced (CEMS)	CBI	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(b)(2)	For CEMS used on stacks that include emissions from stationary combustion units that burn any amount of off-gas from the petrochemical process, report the relevant information required under §98.36(c)(2) and (e)(2)(vi) for the Tier 4 calculation methodology. (CEMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(3)	For CEMS used on stacks that do not include emissions from stationary combustion units, report the information required under §98.36(e)(2)(vi). (CEMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(3)	For CEMS used on stacks that do not include emissions from stationary combustion units, report the information required under §98.36(b)(6) and (b)(7). (CEMS) (Beginning in RY2013)	See entries for Subpart C in this table	78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(4)	CO_2 emissions from stacks that handle process vent emissions and emissions from stationary combustion units that burn process off-gas for the petrochemical process units. (CEMS) (Reported in RY2010, RY2011, and RY2012)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(4)	For each CEMS monitoring location that meets the conditions in §98.246(b)(2) or (3) of this section, provide an estimate based on engineering judgment of the fraction of the total CO_2 emissions that is attributable to the petrochemical process unit plus CO_2 generated by the combustion of off-gas from the petrochemical process unit. (CEMS) (Beginning in RY2013)	Emission Data	78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(4)	For each stationary combustion unit or group of units monitored with a single CEMS: report an estimate of the fraction of total emissions attributable to combustion of off-gas from process units (CEMS) (Reported in RY2010, RY2011, and RY2012)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
X-Petrochemical Production	98.246(b)(5)(i)	For stationary combustion units that burn process off-gas from the petrochemical process unit: CH_4 and N_2O emissions from each stack that is monitored with a CO2 CEMS expressed in metric tons of CO_2e. (CEMS) (Reported in RY2010, RY2011, and RY2012 only)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(5) (Formerly §98.246(b)(5)(i))	For each CEMS monitoring location that meets the conditions in §98.246(b)(2), report the CH_4 and N_2O emissions expressed in metric tons of each gas. (CEMS)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(5) (Formerly §98.246(b)(5)(i))	For each CEMS monitoring location, provide an estimate based on engineering judgment of the fraction of the total CH_4 and N_2O emissions that is attributable to combustion of off-gas from the petrochemical process unit. (CEMS)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(5)(ii)	For stationary combustion units that burn process off-gas from the petrochemical process unit: report the combined CH_4 and N_2O emissions from all stationary combustion units, expressed in metric tons of gas. (CEMS) (Reported in RY2010, RY2011, and RY2012 only)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(5)(ii)	For stationary combustion units that burn process off-gas from the petrochemical process unit: report the combined CH_4 and N_2O emissions from all stationary combustion units, expressed in metric tons of CO_2e. (CEMS) (Reported in RY2010, RY2011, and RY2012 only)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(6)	ID or other appropriate descriptor of stationary combustion units that burns process off-gas (CEMS) (Reported in RY2010, RY2011, and RY2012 only)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X-Petrochemical Production	98.246(b)(7)	Data reporting requirements specified in §98.256(e) of subpart Y for flares that burn process off-gas (CEMS)	See entry for §98.256(e) of Subpart Y in this table	76 FR 30782, May 26, 2011
X-Petrochemical Production	98.246(b)(8)	Annual quantity of petrochemicals produced (CEMS)	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
X- Petrochemical Production	98.246(c)(1)	If you comply with the combustion methodology specified in §98.243(d): report the ethylene process unit ID	Emission Data	76 FR 30782, May 26, 2011
X- Petrochemical Production	98.246(c)(2)	If you comply with the combustion methodology specified in §98.243(d): for each stationary combustion unit that burns ethylene process off-gas (or group of units (as applicable) that burns ethylene process off-gas), except flares, report the relevant information listed in 98.36 for the applicable Tier methodology.	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
X- Petrochemical Production	98.246(c)(2)	Estimate of the fraction of total emissions attributable to combustion of off-gas from the ethylene process unit.	Emission Data	76 FR 30782, May 26, 2011
X- Petrochemical Production	98.246(c)(3)	Data reporting requirements specified in §98.256(e) of subpart Y for flares that burn ethylene process off-gas	See entry for §98.256(e) of Subpart Y in this table	76 FR 30782, May 26, 2011
X- Petrochemical Production	98.246(c)(4)	If you comply with the combustion methodology specified in §98.243(d): report the name of each feedstock.	CBI	76 FR 30782, May 26, 2011
X- Petrochemical Production	98.246(c)(4)	If you comply with the combustion methodology specified in §98.243(d): report the annual quantity of each feedstock (metric tons).	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
X- Petrochemical Production	98.246(c)(5)	If you comply with the combustion methodology specified in §98.243(d): report the quantity of ethylene produced from each process unit.	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(a)	Data reporting requirements under Subpart C	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(b)	Data reporting requirements under Subpart P	See entries for Subpart P in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(1)	Flare ID number	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(e)(2)	Description of the type of flare	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(3)	Description of the flare service	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(4)	Calculated CO_2 annual emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(4)	Calculated CH_4 annual emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(4)	Calculated N_2O annual emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(5)	Description of the method used to calculate the CO_2 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(6)	Annual volume of flare gas combusted	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(6)	Annual average molecular weight of the flare gas	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(6)	If using Equation Y-1a: Report the annual average Carbon content of the flare gas for each flare.	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(6)	If using Equation Y-1a: indicate whether daily or weekly measurement periods are used for each flare	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(6)	If using Equation Y-1a: report the molar volume conversion factor (in scf/g-mole) for each flare.	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: indicate whether daily or weekly measurement periods are used for each flare.	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report annual volume of flare gas combusted for each flare.	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report molar volume conversion factor for each flare.	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report annual average CO2 concentration for each flare	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report the number of carbon containing compounds other than CO2 in each flare gas stream	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(e)(7)(i)	If using Equation Y-1b: report the annual average concentration of carbon containing compound other than CO2 in the flare gas stream for each flare.	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(7)(ii)	If using Equation Y-1b: report the carbon mole number of each carbon containing compound other than CO2 in the flare gas stream for each flare.	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: Annual volume of flare gas combusted	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: Annual average higher heating value of the flare gas	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: indicate whether daily or weekly measurement periods are used for each flare.	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(8)	Indicate whether the annual volume of flare gas combusted and the annual average higher heating value of the flare gas were determined using standard conditions of 68 ºF and 14.7 psia or 60 ºF and 14.7 psia	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(9)	Annual volume of flare gas combusted during normal operations	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(9)	Annual average higher heating value of the flare gas	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(9)	Number of SSM events exceeding 500,000 scf/day	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(e)(9)	Volume of gas flared	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(9)	Average molecular weight	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(9)	Carbon content of the flare gas	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(9)	If using Equation Y-3: report the molar volume conversion factor for each flare.	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(e)(10)	Fraction of carbon in the flare gas contributed by methane (used in Equation Y-4)	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(e)(10)	Basis for the value of the fraction of carbon in the flare gas contributed by methane (used in Equation Y-4) (i.e., select from Daily or more often measurements; Weekly measurements; Periodic (less frequent than weekly) measurements; One-time measurement; Engineering estimate; default (0.4); Other (specify, <200 characters))	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(1)	Unit ID number	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(2)	Description of the type of unit	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(3)	Maximum rated throughput of the unit	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(4)	Calculated CO_2 annual emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(4)	Calculated CH_4 annual emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(4)	Calculated N_2O annual emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(5)	Description of the method used to calculate the CO_2 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(6)	If you use a CEMS, the relevant information required under §98.36 for the Tier 4 Calculation Methodology	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(6)	If CEMS are used: report the CO_2 annual emissions as measured by the CEMS (unadjusted to remove CO_2 combustion emissions association with additional units (if present).	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(6)	If you use a CEMS, the process CO_2 emissions as calculated according to §98.253(c)(1)(ii).	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(6)	If you use a CEMS, report the CO_2 annual emissions associated with sources other than those from the coke burn-off in accordance with the applicable subpart (e.g., subpart C of this part in the case of a CO boiler)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: Annual average exhaust gas flow rate	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: annual average $\%CO_2$	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: Annual average %CO	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(7)	If using Equation Y-6: report the molar volume conversion factor.	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average flow rate of inlet air	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average flow rate of oxygen-enriched air	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average $\%O_2$	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average $\%O_{oxy}$	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average $\%CO_2$	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %CO	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average flow rate of inlet air	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average flow rate of oxygen-enriched air	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report annual average $\%N_{2,\ oxy}$	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average $\%N_2$, exhaust	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(10)	Coke burn-off factor (used in Eq. Y-8)	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(10)	Annual throughput of unit (used in Eq. Y-8)	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(f)(10)	Average carbon content of coke (used in Eq. Y-8)	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(10)	Basis for the average carbon content of coke (i.e., select one of the following Weekly or more often measurements; Periodic (less frequent than weekly) measurements; One-time measurement; Engineering estimate; default (0.94))	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(11)	Indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for CH_4 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(11)	Units of measure for the unit-specific CH_4 emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(11)	Activity data for calculating emissions	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(11)	Basis for the unit-specific CH_4 emission factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(11)	If you use a unit-specific emission factor for CH_4: report the unit-specific emission factor for CH_4 each catalytic cracking units, traditional fluid coking units, and catalytic reforming units	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(12)	If a unit-specific emission factor for N_2O was used: report the unit-specific emission factor for N_2O each catalytic cracking units, traditional fluid coking units, and catalytic reforming units	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(12)	Indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for N_2O emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(12)	Units of measure for the unit-specific N_2O emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(f)(12)	Activity data for calculating emissions	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(f)(12)	Basis for the unit-specific N_2O emission factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(13)	If Equation Y-11 is used: report the number of regeneration cycles or measurement periods during the reporting year for each catalytic cracking units, traditional fluid coking units, and catalytic reforming units	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(13)	If Equation Y-11 is used: report the average coke burn-off quantity per cycle or measurement period for each catalytic cracking units, traditional fluid coking units, and catalytic reforming units	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(f)(13)	Average carbon content of coke	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(g)(1)	Unit ID number for flexicoking unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(g)(2)	Description of the type of flexicoking unit	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(g)(3)	Maximum rated throughput of the flexicoking unit.	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(g)(4)	Indicate whether the GHG emissions from the low heat value gas are accounted for in Subpart C of this part or §98.253(c)	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(g)(5)	Annual CO_2 emissions for flexicoking unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(g)(5)	Annual CH_4 emissions for flexicoking unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(g)(5)	Annual N_2O emissions for flexicoking unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(g)(5)	Report the applicable information required by 98.256(f)(7) through (f)(13) (see above for CBI status)	See entries §98.256(f)(7) through (f)(13) in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(h)(1)	Plant ID number for sulfur recovery plant	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(h)(2)	For each on-site sulfur recovery plant, the maximum rated throughput (metric tons sulfur produced/stream day)	No Determination	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(2)	For each on-site sulfur recovery plant, a description of the type of sulfur recovery plant	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(2)	For each on-site sulfur recovery plant, an indication of the method used to calculate CO_2 annual emissions for the sulfur recovery plant (i.e., CO_2 CEMS, Equation Y-12, or process vent method in §98.253(j))	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(3)	Calculated CO_2 annual emissions for each on-site sulfur recovery plant, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(3)	Calculated annual CO_2 emissions from sour gas sent off-site for sulfur recovery, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(h)(4)	If you use Equation Y-12, the annual volumetric flow to the on-site and off-site sulfur recovery plant (in scf/year),	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(4)	If you use Equation Y-12, the molar volume conversion factor (in scf/kg-mole)	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(h)(4)	If you use Equation Y-12, the annual average mole fraction of carbon in the sour gas (in kg-mole C/kg-mole gas).	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant, indicate whether the recycled flow rate and carbon content are included in the measured data under §98.253(f)(2) and (3).	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant, indicate whether a correction for CO_2 emissions in the tail gas was used in Equation Y-12	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant: If a correction for CO_2 emissions in the tail gas was used in Equation Y-12, then report: the value of the correction	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant: If a correction for CO_2 emissions in the tail gas was used in Equation Y-12, then report: the annual volume of recycled tail gas (in scf/yr)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(h)(5)	If a correction for CO_2 emissions in the tail gas was used in Equation Y-12, then report: the annual average mole fraction of carbon in the tail gas (in kg-mole C/kg-mole gas)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant: Annual volume of recycled tail gas (if not used to calculate recycling correction factor)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant: Annual average mole fraction of carbon in the tail gas (if not used to calculate recycling correction factor)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant: Indicate whether you used the default (95%) or a unit specific correction	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(5)	If you recycle tail gas to the front of an on-site sulfur recovery plant: If a unit specific correction is used, report the approach used.	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(6)	If you use a CEMS, the relevant information required under §98.36 for the Tier 4 Calculation Methodology	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(h)(6)	If you use CEMS, report the CO_2 annual emissions as measured by the CEMS	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(h)(6)	If you use CEMS, report the annual process CO_2 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(h)(6)	Report the CO_2 annual emissions associated with fuel combustion in accordance with subpart C of this part (General Stationary Fuel Combustion Sources).	See entries for Subpart C in this table	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(h)(7)	If you use the process vent method in §98.253(j): report the relevant information required under paragraph §98.256(l)(5)	See entry for §98.256(l)(5) in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(h)(7)	If you use the process vent method in §98.253(j): report the measurement or estimation method	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(1)	Unit ID number for each coke calcining unit	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(i)(2)	Maximum rated throughput of each coke calcining unit	No Determination	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(3)	CO_2 annual emissions for each coke calcining unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(3)	CH_4 annual emissions for each coke calcining unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(3)	N_2O annual emissions for each coke calcining unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(4)	Description of the method used to calculate the CO_2 emissions for each coke calcining unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(5)	If you use Eq. Y-13, report the annual mass of green coke fed to the for each coke calcining unit	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(5)	If you use Eq. Y-13, report the carbon content of green coke fed to the for each coke calcining unit	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(5)	If you use Eq. Y-13, report the annual mass of marketable coke produced for each coke calcining unit	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(5)	If you use Eq. Y-13, report the carbon content of marketable coke produced for each coke calcining unit	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(5)	If Equation Y-13 used for coke calcining units: report the annual mass of coke dust removed from the process through collected in dust collection systems	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(5)	If Equation Y-13 used for coke calcining units: Indicate whether coke dust is recycled to the unit	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(6)	If you use CEMS to measure emissions from coke calcining, report the Tier 4 Calculation Methodology reporting requirements specified under §98.36(e)(2)(vi)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(6)	CO_2 annual emissions as measured by the CEMS for coke calcining	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(6)	Annual process CO_2 emissions for coke calcining	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(6)	Annual CO_2 emissions associated with fuel combustion reporting requirement under subpart C	See entries for Subpart C in this table	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining: Indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for CH_4 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining: The unit-specific CH_4 emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining: Units of measure for the unit-specific CH_4 emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining: Activity data for calculating emissions	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining: Basis for the unit-specific CH_4 emission factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(8)	For coke calcining units: indicate whether a measured value or a unit specific or a default emission factor was used for N2O emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(i)(8)	For coke calcining: If a unit specific emission factor was used for the N2O factor: report the units of measure for the unit-specific factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(8)	For coke calcining: If a unit specific emission factor was used for the N2O factor: report the activity data used for calculating emissions	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(8)	For coke calcining: If a unit-specific emission factor for N2O was used, report the site-specific emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(i)(8)	If a unit specific emission factor was used: report the basis for the unit specific factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility).	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(1)	Unit ID number for each asphalt blowing unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(2)	Quantity of asphalt blown for each for each asphalt blowing unit	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(j)(3)	Type of control device used to reduce methane for each asphalt blowing unit	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(4)	Annual CO_2 emissions for each asphalt blowing unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(4)	Annual CH_4 emissions for each asphalt blowing unit	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(5)	CO_2 emission factor for each asphalt blowing unit	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(j)(5)	Asphalt blowing: Basis for the CO_2 emission factor (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(6)	CH_4 emission factor for each asphalt blowing unit	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(j)(6)	Asphalt blowing: Basis for the CH_4 emission factor (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(7)	If Equation Y-16 is used: report the carbon emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(j)(7)	If Equation Y-16 is used: report the basis for the carbon emission factor (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(8)	If Equation Y-16b is used: report the CO2 emission factor used	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(j)(8)	If Equation Y-16b is used: report the basis for the CO2 emission factor	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(8)	If Equation Y-16b is used: report the carbon emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(j)(8)	If Equation Y-16b is used: report the basis for the carbon emission factor	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(j)(9)	If you use Eq. Y-9: CH_4 emission factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(j)(9)	If you use Eq. Y-9: Basis for the CH_4 emission factor (.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(j)(10)	If you use Equation Y-19 of this subpart, report the relevant information required under §98.256(l)(5) for each set of coke drums or vessels of the same size. (Reported beginning in RY2013)	See entry for §98.256(l)(5) in this table	78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(k)(1)	For delayed coking units: report the cumulative annual CH4 emissions for all delayed coking Units at the facility (in metric tons of each pollutant emitted CH4)	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(2)	For delayed coking units: Description of the method used to calculate the CH_4 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Total number of delayed coking units	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Total number of delayed coking drums or vessels	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Dimensions of coke drum or vessel	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Typical gauge pressure of the coking drum when first vented to the atmosphere	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Typical void fraction of coke drum or vessel	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Typical drum outage of coke drum or vessel	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Annual number of coke-cutting cycles of coke drum or vessel	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: report the molar volume conversion factor for each coke drum or vessel.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: For each set of coking drums that are the same dimensions: The number of coking drums in the set.	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: For each set of coking drums that are the same dimensions: the height and diameter of the coke drums (in feet).	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: For each set of coking drums that are the same dimensions: the cumulative number of vessel openings for all delayed coking drums in the set	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: For each set of coking drums that are the same dimensions: the typical venting pressure (in psig).	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: For each set of coking drums that are the same dimensions: void fraction (in cf gas/cf of vessel).	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: For each set of coking drums that are the same dimensions: the mole fraction of methane in coking gas (in kg-mole CH_4/kg-mole gas, wet basis)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(k)(5)	For delayed coking units: Basis of the volumetric void fraction of the coke vessel prior to steaming	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(5)	For delayed coking units: Basis of the mole fraction of methane in the coking gas.	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(k)(6)	If you use Equation Y-19 of this subpart, report the relevant information required under §98.256(l)(5) for each set of coke drums or vessels of the same size. (Reported beginning in RY2013)	See entry for §98.256(l)(5) in this table	78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(l)(1)	For each process vents: Vent ID number	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(2)	For each process vents: Unit or operation associated with the emissions	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(3)	For each process vents: Type of control device used to reduce CH4 emissions from the unit	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(l)(4)	For each process vents: Calculated annual CO2 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(4)	For each process vents: Calculated annual CH4 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(4)	For each process vents: Calculated annual N2O emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(5)	For each process vents: Annual volumetric flow discharged to the atmosphere	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(5)	For each process vent: Indication of the measurement or estimation method used for measuring volumetric flow discharge	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(5)	For each process vents: Annual average mole fraction of each GHG above the concentration threshold or otherwise required to be reported	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Number of venting events	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Cumulative venting time	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(5)	For each process vent: Indication of the measurement or estimation method used for measuring average mole fraction of each GHG	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(l)(5)	For each process vent: Molar volume conversion factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(m)(1)	Indication of whether the uncontrolled blowdown emissions are reported under 98.253(k) or (j) or a statement that the facility does not have any uncontrolled blowdown systems	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(m)(2)	For uncontrolled blowdown systems: Cumulative annual CH4 emissions (in metric tons of CH4)	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(m)(3)	Uncontrolled blowdown systems reporting under 98.253 (k): Total quantity of crude oil plus the quantity of intermediate products received from off-site that are processed at the facility in the reporting year	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(m)(3)	Uncontrolled blowdown systems reporting under 98.253 (k): CH_4 emission factor used	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(m)(3)	Uncontrolled blowdown systems reporting under 98.253 (k): Basis for the CH_4 emission factor used (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(m)(3)	Uncontrolled blowdown systems reporting under 98.253 (k): Molar volume conversion factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(m)(4)	Uncontrolled blowdown systems reporting under 98.253 (j): Relevant information required under paragraph (l) (5)	See entry for §98.256(l)(5) in this table	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(n)(1)	For equipment leaks: Cumulative CH_4 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(n)(2)	For equipment leaks: Method used to calculate the reported equipment leak emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(n)(3)	For equipment leaks: Number of each type of emission source listed in Equation Y-21 (if using Eq. Y-21)	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(n)(3)	For equipment leaks: Number of each type of emission source listed in Equation Y-21 (if not using Eq. Y-21)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(o)(1)	For all storage tanks: report the cumulative annual CH_4 emissions (in metric tons of each pollutant emitted CH_4) for all storage tanks except for those used to process unstabilized crude oil.	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(o)(2)(i)	Method used to calculate the reported storage tank emissions for storage tanks other than those processing unstabilized crude (e.g., Section 7.1 of the AP-42: "Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources" (incorporated by reference, see 98.7), TANKS Emissions Estimation Software, Version 4.09D http://www.epa.gov/ttnchie1/software/tanks/); the alternative similar software program; if used; or Equation Y-22).	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(o)(2)(ii)	Total quantity of crude oil plus the quantity of intermediate products received from off-site that are processed at the facility in the reporting year	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(o)(3)	Cumulative annual CH_4 emissions (in metric tons of CH_4)	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(o)(3)	A statement that the facility did not receive any unstabilized crude oil	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(o)(4)(i)	For storage tanks that process unstabilized crude oil: Method used to calculate the reported unstabilized crude oil storage tank emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(o)(4)(ii)	For storage tanks that process unstabilized crude oil: Quantity of unstabilized crude oil received during the calendar year	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(o)(4)(iii)	For storage tanks that process unstabilized crude oil: Average pressure differential	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(o)(4)(iv)	For storage tanks that process unstabilized crude oil: Molar volume conversion factor	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(o)(4)(v)	For storage tanks that process unstabilized crude oil: Average Mole fraction of CH_4 in vent gas from the unstabilized crude oil storage tanks	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(o)(4)(v)	For storage tanks that process unstabilized crude oil: Basis for the mole fraction of CH_4 in the vent gas from the unstabilized crude oil storage tank (i.e., Measurement of methane composition; Engineering estimate of methane composition based on crude composition; Default)	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(o)(4)(vi)	If you did not use Equation Y-23: report the tank-specific methane composition data used to estimate cumulative CH_4 emissions for storage tanks used to process unstabilized crude oil.	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(o)(4)(vi)	If you did not use Equation Y-23: report the annual gas generation volume (scf/yr) used to estimate cumulative CH_4 emissions for storage tanks used to process unstabilized crude oil.	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Y - Petroleum Refineries	98.256(o)(5)	Method used to calculate the reported storage tank emissions for storage tanks processing unstabilized crude oil (Reported in RY2010, RY2011, and RY2012)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Y - Petroleum Refineries	98.256(p)(1)	For loading operations: Cumulative annual CH_4 emissions	Emission Data	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(p)(2)	For loading operations: Quantity of materials loaded by vessel type that have an equilibrium vapor-phase concentration of CH_4 of 0.5 volume percent or greater	Deferred Until 2015	76 FR 53057, August 25, 2011
Y - Petroleum Refineries	98.256(p)(2)	For loading operations: Types of materials loaded by vessel type that have an equilibrium vapor-phase concentration of CH_4 of 0.5 volume percent or greater	CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(p)(2)	For loading operations: Type of vessels in which material that has an equilibrium vapor-phase concentration of CH_4 of 0.5 volume percent or greater is loaded	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(p)(3)	For loading operations: Type of control system used to reduce emissions from the loading of material with an equilibrium vapor-phase concentration of methane of 0.5 volume percent or greater	Not CBI	76 FR 30782, May 26, 2011
Y - Petroleum Refineries	98.256(q)	For loading operations: Name of each method listed in §98.254 or a description of manufacturer's recommended method used to determine a measured parameter	Not CBI	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(a)	Annual phosphoric acid production, by origin of the phosphate rock (tons)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Z - Phosphoric Acid Production	98.266(b)	Annual phosphoric acid permitted production capacity (tons) (Reported in RY2010, RY2011, and RY2012 only)	No Determination	76 FR 30782, May 26, 2011; removed by 78 FR 71904, November 29, 2013
Z - Phosphoric Acid Production	98.266(b)	Annual phosphoric acid production capacity (tons) (Reported beginning in RY2013)	No Determination	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
Z - Phosphoric Acid Production	98.266(c)	Annual arithmetic average percent inorganic carbon or carbon dioxide in phosphate rock from monthly records (percent by weight, expressed as a decimal fraction)	CBI	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(d)	Annual phosphate rock consumption from monthly measurement records by origin	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Z - Phosphoric Acid Production	98.266(e)(1)	Identification number of each wet-process phosphoric acid process line (CEMS)	Emission Data	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(e)(2)	Annual CO_2 emissions from each wet-phosphoric acid process line (CEMS)	Emission Data	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(e)(2)	Tier 4 Calculation Methodology reporting requirements specified under §98.36(e)(2)(vi)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(f)(1)	Identification number of each wet-phosphoric process line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(f)(2)	Annual CO_2 emissions from each wet-process phosphoric acid process line (metric tons) as calculated by Equation Z-1a or Equation Z-1b (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(f)(3)	Annual phosphoric acid permitted production capacity for each wet-process phosphoric acid process line (metric tons) (No CEMS)	No Determination	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(f)(4)	Method used to estimate any missing values of inorganic carbon content or carbon dioxide content of phosphate rock for each wet-process phosphoric acid process line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(f)(5)	Monthly inorganic carbon content of phosphate rock for each wet-process phosphoric acid process line for which Equation Z-1a is used (percent by weight, expressed as decimal fraction) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
Z - Phosphoric Acid Production	98.266(f)(5)	Monthly CO_2 content (percent by weight, expressed as a decimal fraction) for which Equation Z-1b is used (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
Z - Phosphoric Acid Production	98.266(f)(6)	Monthly mass of phosphate rock consumed, by origin (as listed in Table Z-1) in production for each wet-process phosphoric acid process line (tons). (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
Z - Phosphoric Acid Production	98.266(f)(7)	Number of wet-process phosphoric acid process lines (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(f)(8)	Number of times missing data procedures were used to estimate phosphate rock consumption. (No CEMS)	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
Z - Phosphoric Acid Production	98.266(f)(8)	Number of times missing data procedures were used to estimate inorganic carbon contents of the phosphate rock (months) (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
Z - Phosphoric Acid Production	98.266(f)(8)	Number of times missing data procedures were used to estimate CO_2 contents of the phosphate rock (months) (Reported beginning in RY2013)	Emission Data	78 FR 71904, November 29, 2013
Z - Phosphoric Acid Production	98.266(f)(9)	Annual process CO_2 emissions from each phosphate acid production facility (metric tons) (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
AA - Pulp and Paper Manufacturing	98.276	Report the applicable information required by 98.36.	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of CO_2	Emission Data	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic CO_2	Emission Data	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of CH_4	Emission Data	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic CH_4	Emission Data	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of N_2O	Emission Data	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic N_2O	Emission Data	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(b)	Annual quantities of fossil fuels by type used in chemical recovery furnaces	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
AA - Pulp and Paper Manufacturing	98.276(b)	Annual quantities of fossil fuels used by type in chemical recovery combustion units	Deferred Until 2015	76 FR 53057, August 25, 2011
AA - Pulp and Paper Manufacturing	98.276(c)	Annual mass of the spent liquor solids combusted	Deferred Until 2015	76 FR 53057, August 25, 2011
AA - Pulp and Paper Manufacturing	98.276(c)	Basis for determining the annual mass of the spent liquor solids combusted	Not CBI	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(d)	High heat value (HHV) of the spent liquor solids used in Equation AA-1	Deferred Until 2015	76 FR 53057, August 25, 2011
AA - Pulp and Paper Manufacturing	98.276(e)	The default emission factor for CO_2 used in equation AA-1 of this subpart (kg CO2 per mmBtu).	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
AA - Pulp and Paper Manufacturing	98.276(e)	The default emission factor for CH_4 used in equation AA-1 of this subpart (kg CH_4 per mmBtu).	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
AA - Pulp and Paper Manufacturing	98.276(e)	The default emission factor for N_2O used in equation AA-1 of this subpart (kg N_2O per mmBtu).	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
AA - Pulp and Paper Manufacturing	98.276(f)	Carbon content (CC) of the spent liquor solids used in Equation AA-2	Deferred Until 2015	76 FR 53057, August 25, 2011
AA - Pulp and Paper Manufacturing	98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns	Deferred Until 2015	76 FR 53057, August 25, 2011
AA - Pulp and Paper Manufacturing	98.276(h)	Make-up quantity of $CaCO_3$ used for the reporting year used in Equation AA-3	Deferred Until 2015	76 FR 53057, August 25, 2011
AA - Pulp and Paper Manufacturing	98.276(i)	Make-up quantity of Na_2CO_3 used for the reporting year used in Equation AA-3	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
AA - Pulp and Paper Manufacturing	98.276(j)	Annual steam purchases	CBI	76 FR 30782, May 26, 2011
AA - Pulp and Paper Manufacturing	98.276(k)	Total annual production of unbleached virgin chemical pup produced onsite during the reporting year in air-dried metric tons per year. This total annual production value is the sum of all kraft, semichemical, soda, and sulfite pulp produced onsite, prior to bleaching, through all virgin pulping lines. Does not include mechanical pulp or secondary fiber repulped for paper production. (Reported beginning in RY2013)	CBI	78 FR 71904, November 29, 2013
AA - Pulp and Paper Manufacturing	98.276(k)	Annual production of pulp and/or paper products produced (metric tons) (Reported in RY2010, RY2011, and RY2012 only)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36. (CEMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
BB - Silicon Carbide Production	98.286(a)(1)	Annual consumption of petroleum coke (CEMS)	CBI	76 FR 30782, May 26, 2011
BB - Silicon Carbide Production	98.286(a)(2)	Annual production of silicon carbide (CEMS)	CBI	76 FR 30782, May 26, 2011
BB - Silicon Carbide Production	98.286(a)(3)	Annual production capacity of silicon carbide (CEMS)	No Determination	76 FR 30782, May 26, 2011
BB - Silicon Carbide Production	98.286(b)(1)	Monthly consumption of petroleum coke for all silicon carbide process units of production furnances combined (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(2)	Annual production of silicon carbide for all silicon carbide process units of production furnances combined (No CEMS)	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
BB - Silicon Carbide Production	98.286(b)(3)	Annual production capacity of silicon carbide for all silicon carbide process units of production furnances combined(No CEMS)	No Determination	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(4)	Carbon content factor of petroleum coke from the supplier or as measured by the applicable method for all silicon carbide process units of production furnances combined	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(5)	Indicate whether carbon content of the petroleum coke is based on reports from the supplier or through self measurement using applicable ASTM standard method for all silicon carbide process units of production furnances combined	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(6)	CO_2 emissions factor for for each month for all silicon carbide process units of production furnances combined	Deferred Until 2015	76 FR 53057, August 25, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(7)	Sampling analysis results for carbon content of consumed petroleum coke as determined for QA/QC of supplier data for all silicon carbide process units of production furnances combined	CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(8)	Number of times in the reporting year that missing data procedures were followed to measure the carbon contents of petroleum coke	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(8)	Number of times in the reporting year that missing data procedures were followed to measure petroleum coke consumption for all silicon carbide process units of production furnances combined	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
CC - Soda Ash Manufacturing	98.296(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36. (CEMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(a)(1)	Annual consumption of trona or liquid alkaline feedstock for each manufacturing line (tons) (CEMS)	CBI	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(a)(2)	Annual production of soda ash for each manufacturing line (CEMS)	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
CC - Soda Ash Manufacturing	98.296(a)(3)	Annual production capacity of soda ash for each manufacturing line (CEMS)	No Determination	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(a)(4)	Identification number for each manufacturing line (CEMS)	Emission Data	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(1)	Identification number for each manufacturing line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(2)	Annual process CO_2 emissions from each manufacturing line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(3)	Annual production of soda ash for each manufacturing line (tons)	CBI	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(4)	Annual production capacity of soda ash for each manufacturing line (No CEMS)	No Determination	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(5)	Monthly consumption of trona or liquid alkaline feedstock for each manufacturing line (No CEMS) (for facilities using Equation CC-1)	Deferred Until 2015	76 FR 53057, August 25, 2011
CC - Soda Ash Manufacturing	98.296(b)(5)	Monthly consumption of trona or liquid alkaline feedstock for each manufacturing line (No CEMS) (for facilities not using Equation CC-1)	CBI	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(6)	Monthly production of soda ash for each manufacturing line (tons) (for facilities using Equation CC-2) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
CC - Soda Ash Manufacturing	98.296(b)(6)	Monthly production of soda ash for each manufacuturing line (tons) (for facilities not using Equation CC-2) (No CEMS)	CBI	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(7)	Inorganic carbon content factor of trona or soda ash (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
CC - Soda Ash Manufacturing	98.296(b)(8)	Indicate whether CO_2 emissions were calculated using a trona input method, a soda ash output method, or a site-specific emission factor method (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(9)	Number of manufacturing lines located used to produce soda ash (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(10)(i)	Stack gas volumetric flow rate during performance test (dscfm) for each manufacturing line or stack.	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
CC - Soda Ash Manufacturing	98.296(b)(10)(ii)	Hourly CO_2 concentration during performance test (percent CO_2) for each manufacturing line or stack	Deferred Until 2015	76 FR 53057, August 25, 2011
CC - Soda Ash Manufacturing	98.296(b)(10)(iii)	CO_2 emission factor of process vent flow from mine water for each manufacturing line or stack	Deferred Until 2015	76 FR 53057, August 25, 2011
CC - Soda Ash Manufacturing	98.296(b)(10)(iv)	CO_2 emission mass emission rate during performance test (metric tons/hour) for each manufacturing line or stack.	Deferred Until 2015	76 FR 53057, August 25, 2011
CC - Soda Ash Manufacturing	98.296(b)(10)(vi)	Annual process vent flow rate from mine stripper/evaporator for each manufacturing line or stack	Deferred Until 2015	76 FR 53057, August 25, 2011
CC - Soda Ash Manufacturing	98.296(b)(11)(i)	Number of times missing data procedures were used for trona or soda ash	Emission Data	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(11)(ii)	Number of times missing data procedures were used for inorganic carbon contents of trona or soda ash	Emission Data	76 FR 30782, May 26, 2011
CC - Soda Ash Manufacturing	98.296(b)(11)(iii)	Number of times missing data procedures were used for process vent flow rate from mine water stripper/evaporator	Emission Data	76 FR 30782, May 26, 2011
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(1)	Nameplate capacity of equipment containing SF_6 or PFCs: existing as of the beginning of the year (excluding hermetically sealed-pressure switchgear).	Not CBI	77 FR 48072, August 13, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(2)	Nameplate capacity of equipment containing SF6 or PFCs: new during the year (all SF_6-insulated equipment, including hermetically sealed-pressure switchgear).	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(3)	Nameplate capacity of equipment containing SF6 or PFCs: retired during the year (all SF6-insulated equipment, including hermetically sealed-pressure switchgear).	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
DD - Use of Electric Transmission and Distribution Equipment	98.306(b)	Transmission miles (length of lines carrying voltage above 35 kV).	Not CBI	77 FR 48072, August 13, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(c)	Distribution miles (length of lines carrying voltages at or below 35 kilovolt).	Not CBI	77 FR 48072, August 13, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(d)	Pounds of SF_6 and PFC stored in containers, but not in energized equipment, at the beginning of the year.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(e)	Pounds of SF_6 and PFC stored in containers, but not in energized equipment, at the end of the year.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(f)	Pounds of SF_6 and PFC purchased in bulk from chemical producers or distributors.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(g)	Pounds of SF_6 and PFC purchased from equipment manufacturers or distributors with or inside equipment, including hermetically sealed-pressure switchgear.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(h)	Pounds of SF_6 and PFC returned to facility after off-site recycling.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
DD - Use of Electric Transmission and Distribution Equipment	98.306(i)	Pounds of SF_6 and PFC in bulk and contained in equipment sold to other entities.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(j)	Pounds of SF_6 and PFC returned to suppliers.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(k)	Pounds of SF_6 and PFC sent off-site for recycling.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(l)	Pounds of SF_6 and PFC sent off-site for destruction.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
EE - Titanium Dioxide Production	98.316(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36. (CAMS)	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(a)(1)	Identification number for each process line (CEMS)	Emission Data	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(a)(2)	Annual consumption of calcined petroleum coke (CEMS)	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(a)(3)	Annual production of titanium dioxide (CEMS)	CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
EE - Titanium Dioxide Production	98.316(a)(4)	Annual production capacity of titanium dioxide (CEMS)	No Determination	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(a)(5)	Annual production of carbon-containing waste (CEMS)	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(1)	Identification number for each process line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(2)	Annual CO_2 emissions for each chloride process line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(3)	Annual consumption of calcined petroleum coke for each production line (No CEMS)	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(4)	Annual production of titanium dioxide for each production line (No CEMS)	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(5)	Annual production capacity of titanium dioxide for each production line (No CEMS)	No Determination	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(6)	Monthly calcined petroleum coke consumption for each production line (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
EE - Titanium Dioxide Production	98.316(b)(7)	Annual production of carbon-containing waste (No CEMS)	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(8)	Monthly production of titanium dioxide for each production process line (No CEMS)	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(9)	Monthly carbon content factor of petroleum coke (percent by weight expressed as a decimal fraction) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
EE - Titanium Dioxide Production	98.316(b)(10)	Indicate whether monthly carbon content of the petroleum coke is based on reports from the supplier or through self measurement using applicable ASTM standard methods (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(11)	Carbon content for carbon-containing waste for each process line (percent by weight expressed as a decimal fraction) (No CEMS).	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(12)	ASTM standard methods used to determine carbon content (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)	CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(14)	Number of separate chloride process lines located at the facility (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(15)	Number of times in the reporting year that missing data procedures were followed to measure the carbon contents of petroleum coke	Emission Data	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(15)	Number of times in the reporting year that missing data procedures were followed to measure the petroleum coke consumption	Emission Data	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(15)	Number of times in the reporting year that missing data procedures were followed to measure the carbon-containing waste generated	Emission Data	76 FR 30782, May 26, 2011
EE - Titanium Dioxide Production	98.316(b)(15)	Number of times in the reporting year that missing data procedures were followed to measure the carbon contents of the carbon containing waste	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
FF-Underground Coal Mines	98.326(a)	Quarterly CH_4 liberated from each ventilation monitoring point (metric tons CH_4)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(b)	Weekly CH4 liberated from each degasification system monitoring point (metric tons CH_4)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(c)	Quarterly CH_4 destruction at each ventilation and degassification system destruction device or point of offsite transport ($CH_{2Destroyed}$) (metric tons CH_4)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(d)	Net quarterly CH_4 emissions from all ventilation and degasification systems (CH_4 emitted (net)).	Emission Data	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(e)	Quarterly CO_2 emissions from onsite destruction, where the gas is not a fuel input for energy generation or use (e.g., flaring).	Emission Data	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(f)	Quarterly volumetric flow rate for each ventilation monitoring point and units of measure, used in Equation FF–1.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(f)	Date of each quarterly flow measurement used in Equation FF-1.	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(f)	Location of each measurement used in Equation FF-1 of this subpart.	Emission Data	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(f)	Method of measurement (quarterly sampling or continuous monitoring) used in Equation FF-1.	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(g)	Dates CH_4 concentration was measured.	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
FF-Underground Coal Mines	98.326(g)	Location CH_4 concentration was measured.	Emission Data	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(g)	Method of measurement (sampling or continuous monitoring).	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(g)	Quarterly CH4 concentration for each ventilation monitoring point	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(h)	Method of measurement (sampling or continuous monitoring) used in Equation FF-3.	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(h)	Weekly volumetric flow rate used to calculate CH_4 liberated from degasification systems and units of measure, used in Equation FF-3.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(i)	Quarterly CH_4 concentration (%) used to calculate CH_4 liberated from degasification systems	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(i)	Indicate whether the quarterly CH_4 concentration is based on CEMS or weekly sampling data (Reported beginning in RY2013)	Not CBI	78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(j)	Weekly volumetric flow rate used to calculate CH_4 destruction for each destruction device and each point of offsite transport and units of measure.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(k)	Weekly CH_4 concentration (%) used to calculate CH_4 flow to each destruction device or point of offsite transport (C).	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(l)	Dates in quarterly reporting period where active ventilation of mining operations is taking place	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
FF-Underground Coal Mines	98.326(m)	Dates in quarterly reporting period where degasification of mining operations is taking place	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(n)	Dates in quarterly reporting period when continuous monitoring equipment is not properly functioning	Emission Data	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(o)	Temperature (deg R) used in Equation FF–1 and FF–3.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(o)	Pressure (atm) used in Equation FF–1 and FF–3.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(o)	Moisture content used in Equation FF–1 and FF–3.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(o)	Moisture correction factor (if applicable) used in Equation FF–1 and FF–3 (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(o)	The gaseous organic concentration correction factor, if Equation FF-9 was required.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
FF-Underground Coal Mines	98.326(p)	Description of the destruction device (including an indication of whether the destruction occurs at the coal mine site or off-site)	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(p)	Indicate whether a backup destruction device is present at the mine	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(p)	Annual operating hours of the primary destruction device	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(p)	Annual operating hours of the backup destruction device	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
FF-Underground Coal Mines	98.326(p)	Assumed destruction efficiency for the primary destruction device	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(p)	Assumed destruction efficiency for the backup destruction device	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(q)	Description of the gas collection system (manufacture, capacity, number of wells, etc)	No Determination	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(q)	Surface area of the gas collection system	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(q)	Annual operating hours of the gas collection system	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(r)	Identification information for each well, shaft, and vent hole	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(r)	Description of each well, shaft and vent hole	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(r)(1)	Indication of whether the well, shaft, or vent hole is monitored individually or as part of a centralized monitoring point.	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(r)(1)	Method used (sampling or continuous monitoring)	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(r)(2)	Start date and close date of each well, shaft and vent hole. (Reported beginning in RY2013)	Not CBI	78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
FF-Underground Coal Mines	98.326(r)(3)	Number of days the well, shaft, or vent hole was in operation during the reporting year. (Reported beginning in RY2013)	Not CBI	78 FR 71904, November 29, 2013
FF-Underground Coal Mines	98.326(s)	Identification of wells and shafts for each centralized monitoring point	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(s)	Method used (sampling or continuous monitoring)	Not CBI	76 FR 30782, May 26, 2011
FF-Underground Coal Mines	98.326(t)	Mine Safety and Health Administration (MSHA) identification for this coal mine (Reported beginning in RY2013)	Emission Data	78 FR 71904, November 29, 2013
GG - Zinc Production	98.336(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36	See entries for Subpart C in this table	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(a)(1)	Annual zinc product production capacity (CEMS)	No Determination	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(a)(2)	Annual production quantity for each zinc product (CEMS)	CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(a)(3)	Annual facility production quantity (CEMS)	CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(a)(4)	Number of Waelz kilns at each facility used for zinc production (CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(a)(5)	Number of electrothermic furnaces at each facility used for zinc production (CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(1)	Identification number (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(1)	Annual process CO_2 emissions from each individual Waelz kiln or electrothermic furnace (No CEMS)	Emission Data	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(2)	Annual zinc product production capacity (No CEMS)	No Determination	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
GG - Zinc Production	98.336(b)(3)	Annual production quantity for each zinc product (No CEMS)	CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(4)	Number of Waelz kilns at each facility used for zinc production (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(5)	Number of electrothermic furnaces at each facility used for zinc production (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(6)	Annual mass of each carbon-containing input material charged to each kiln or furnace (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
GG - Zinc Production	98.336(b)(7)	Carbon content of carbon-containing input materials charged to kilns or furnace (including zinc bearing material, flux materials, and other carbonaceous materials) from the annual carbon analysis or from information provided by the material supplier) for each kiln or furnace (percent by weight, expressed as a decimal fraction) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
GG - Zinc Production	98.336(b)(8)	Indicate whether carbon content of carbon-containing input materials charged to kilns or furnaces is based on reports from the supplier or through self measurement using applicable ASTM standard method (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(9)	ASTM Standard Test Method used to determine carbon content of materials (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(10)	Carbon content of the carbon electrodes used in each furnace from the annual carbon analysis or from information provided by the material supplier) (percent by weight, expressed as a decimal fraction) (No CEMS)	Deferred Until 2015	76 FR 53057, August 25, 2011
GG - Zinc Production	98.336(b)(11)	Indicate whether carbon content of the carbon electrode used in furnaces is based on reports from the supplier or through self measurement using applicable ASTM standard method (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(12)	ASTM standard methods used to determine carbon content of electrode (No CEMS)	Not CBI	76 FR 30782, May 26, 2011
GG - Zinc Production	98.336(b)(13)	How the monthly mass of carbon-containing materials with missing data was determined	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
GG - Zinc Production	98.336(b)(13)	Number of months the missing data procedures were used	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Year in which the landfill first started accepting waste for disposal	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(a)	Last year the landfill accepted waste (for open landfills enter the estimated year of landfill closure) (for closed landfills using Equation HH-3)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(a)	Last year the landfill accepted waste (for open landfills enter the estimated year of landfill closure) (for all open landfills and for closed landfills not using Equation HH-3)	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Capacity of the landfill (for closed landfills using Eq. HH-3)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(a)	Capacity of the landfill (for landfills not using equation HH-3 and for any open landfill using Equation Eq. HH-3)	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Indication of whether leachate recirculation is used during the reporting year	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Typical frequency of leachate use over the past 10 years (e.g., used several times a year for the past 10 years, used at least once a year for the past 10 years, used occasionally but not every year over the past 10 years, not used)	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	An indication as to whether scales are present at the landfill	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Waste disposal quantity for each year of landfilling required to be included when using Equation HH-1 of this subpart (in metric tons, wet weight)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
HH - Municipal Solid Waste Landfills	98.346(b)	Method for estimating reporting year and historical waste disposal quantities and reason for its selection	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(b)	Range of years the estimation method is applied	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(b)	For years when waste quantity data are determined using the methods in §98.343(a)(3), report the quantity of waste determined using the methods in §98.343(a)(3)(i)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(b)	For years when waste quantity data are determined using the methods in §98.343(a)(3), report the quantity of waste determined using the methods in §98.343(a)(3)(ii)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(b)	For historical waste disposal quantities that were not determined using the methods in §98.343(a)(3), report the population served by the landfill for each year the Equation HH-2 of this subpart is applied	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(b)	For historical waste disposal quantities that were not determined using the methods in §98.343(a)(3), report the value of landfill capacity (LFC) used in the calculation (For open landfills using Equation HH-3 of this subpart)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(c)	Waste composition for each year required for Equation HH-1, in percentage by weight, for each waste category listed Table HH-1 of this subpart to calculate the annual modeled CH_4 generation.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(d)(1)	For each waste type used to calculate CH_4 generation using HH-1, report the degradable organic carbon (DOC)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(d)(1)	For each waste type used to calculate CH_4 generation using Equation HH-1, report the fraction of DOC dissimilated (DOC_F) values used in the calculations	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(d)(2)	Decay rate (k) value	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
HH - Municipal Solid Waste Landfills	98.346(e)	Fraction of CH_4 in landfill gas (F)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(e)	Indication of whether the fraction of CH4 was determined based on measured values or the default value	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(e)(1)	Methane correction factor (MCF) values used in the calculations. (previously listed under §98.346(d)(1))	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(e)(1)	If MCF value other than the default of 1 is used, provide: an indication of whether active aeration of the waste in the landfill was conducted during the reporting year.(Previously listed under §98.346(d)(1))	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(e)(1)	If MCF value other than the default of 1 is used, provide a description of the aeration system, including aeration blower capacity. (Previously listed under §98.346(d)(1))	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide the fraction of the landfill containing waste affected by the aeration. (Previously listed under §98.346(d)(1))	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(e)(1)	If MCF value other than the default of 1 is used, provide: the total number of hours during the year the aeration blower was operated. (Previously listed under §98.346(d)(1))	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(e)(1)	If MCF value other than the default of 1 is used, provide: other factors used as a basis for the selected MCF value. (Previously listed under §98.346(d)(1))	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(f)	Surface area of the landfill containing waste	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(f)	Identification of the type of cover material used (as either organic cover, clay cover, sand cover, or other soil mixtures).	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
HH - Municipal Solid Waste Landfills	98.346(f)	If multiple cover types are used, report surface area associated with each cover type	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(g)	Modeled annual methane generation rate for the reporting year (from Equation HH-1 and used in Equation HH-5)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(h)	For landfills without a gas collection systems, annual CH_4 emissions (i.e., the methane generation, adjusted for oxidation, calculated using Equation HH–5), reported in metric tons CH_4	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(h)	For landfills without a gas collection systems, an indication of whether passive vents and/or passive flares (vents or flares that are not considered part of the gas collection system as defined in §98.6) are present at this landfill.	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(h)	For landfills without a gas collection systems, the oxidation fraction used in the calculation (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(1)	For landfills with gas collection systems, report total volumetric flow of landfill gas collected for destruction for the reporting year.	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(2)	Annual average CH_4 concentration of landfill gas collected for destruction	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Monthly average temperature at which flow is measured for landfill gas collected for destruction	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Statement that temperature is incorporated into internal calculations run by the monitoring equipment	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Monthly average pressure at which flow is measured for landfill gas collected for destruction	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Statement that pressure is incorporated into internal calculations run by the monitoring equipment	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(4)	Indication of whether flow was measured on a wet or dry basis	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(4)	Monthly average Moisture Content required for Equation HH-4	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(4)	For each landfill with a gas collection system: An indication as to whether CH4 concentration was measured on a wet or dry basis	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Indication of whether destruction occurs at the landfill facility, or off-site or both	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)	If destruction occurs at the landfill facility, indicate of whether a backup destruction device is present at the landfill. (Reported in RY2010, RY2011, and RY2012 only)	Not CBI	76 FR 30782, May 26, 2011; removed by 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)	If destruction occurs at the landfill facility, report the number of destruction devices associated with that measurement location.(Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Annual operating hours for the destruction devices associated with the measurement location (Reported beginning RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Annual operating hours for the primary destruction device (Reported in RY2010, RY2011, and RY2012 only)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; removed by 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Annual operating hours for the backup destruction device (Reported in RY2010, RY2011, and RY2012 only)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; removed by 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Destruction efficiency (percent) for each destruction device associated with the measurement location (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Destruction efficiency for the primary destruction device (Reported in RY2010, RY2011, and RY2012 only)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Destruction efficiency for the backup destruction device (Reported in RY2010, RY2011, and RY2012 only)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; removed by 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(6)	Annual quantity of recovered CH_4 for each measurement location (Equation HH-4)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; removed by 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Description of the gas collection system (manufacturer, capacity, and number of wells)	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Surface area as specified in Table HH-3	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Estimate waste depth as specified in Table HH-3	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Estimated gas collection system efficiency	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Annual operating hours of the gas collection system for each measurement location (frec in Eq.- HH-7 and HH-8) (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Annual operating hours of the gas collection system (frec in Eq.- HH-7 and HH-8) (Reported in RY2010, RY2011, and RY2012 only)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; removed by 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
HH - Municipal Solid Waste Landfills	98.346(i)(7)	For each landfill with a gas collection system: An indication of whether passive vents and/or passive flares (vents or flares that are not considered part of the gas collection system as defined in §98.6) are present at the landfill.	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(8)	Methane generation corrected for oxidation calculated using Equation HH-5 of this subpart, reported in metric tons CH4	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(8)	The oxidation fraction used in the calculation (Equation HH-5) (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(9)	CH_4 generation (GCH4) value used as an input to Equation HH-6	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(i)(9)	Specify whether the value is modeled (G_{CH4} from HH-1) or measured (R from Equation HH-4).	Not CBI	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(10)	Methane generation corrected for oxidation calculated using Equation HH-7 of this subpart, reported in metric tons CH_4	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(10)	The oxidation fraction used in the calculation (Equation HH-7) (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(11)	Methane emissions calculated using Equation HH-6, reported in metric tons CH_4	Emission Data	76 FR 30782, May 26, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(11)	The oxidation fraction used in the calculation (Equation HH-6) (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(12)	Methane emissions calculated using Equation HH-8 of this subpart, reported in metric tons CH_4	Emission Data	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
HH - Municipal Solid Waste Landfills	98.346(i)(12)	The oxidation fraction used in the calculation (Equation HH-8) (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
II - Wastewater Treatment	98.356(a)	A description or diagram of the industrial wastewater treatment system, identifying the processes used to treat industrial wastewater and industrial wastewater treatment sludge. Indicate how the processes are related to each other and identify the anaerobic processes. Provide a unique identifier for each anaerobic process, indicate the average depth in meters of each anaerobic lagoon, and indicate whether biogas generated by each anaerobic process is recovered. The anaerobic processes must be identified as: anaerobic reactor, anaerobic deep lagoon, anaerobic shallow lagoon, and anaerobic sludge digester.	No Determination	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(b)(1)	For each anaerobic wastewater treatment process, report the weekly average COD or BOD_5 concentration of wastewater entering anaerobic wastewater treatment process, for each week the anaerobic process was operated.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(b)(2)	For each anaerobic wastewater treatment process, report the volume of wastewater entering each anaerobic wastewater treatment process for each week the anaerobic process was operated.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(b)(3)	For each anaerobic wastewater treatment process, report the maximum CH_4 production potential (Bo) used as an input to Equation II-1 or II-2 , from Table II–1.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(b)(4)	For each anaerobic wastewater treatment process, report the methane conversion factor (MCF) used as an input to Equation II-1 or II-2, from Table II–1.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(b)(5)	For each anaerobic wastewater treatment process, report the annual mass of CH_4 generated by each anaerobic wastewater treatment process, calculated using Equations II-1 or II-2.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
II - Wastewater Treatment	98.356(c)	For each anaerobic wastewater treatment process from which biogas is not recovered, report the annual CH_4 emissions, calculated using Equation II–3.	Emission Data	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(1)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered, report the annual quantity of CH_4 recovered from the anaerobic process (calculated using Equation II-4 and used as an input in Equation II-5)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(d)(2)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: total weekly volumetric biogas flow for each week (up to 52 weeks/year) that biogas is collected for destruction. (if using daily sampling)	CBI	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(2)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: total weekly volumetric biogas flow for each week (up to 52 weeks/year) that biogas is collected for destruction. (if using weekly sampling)	Deferred Until 2015	76 FR 53057, August 25, 2011
II - Wastewater Treatment	98.356(d)(3)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: weekly average CH_4 concentration for each week that biogas is collected for destruction. (if using weekly sampling)	Deferred Until 2015	76 FR 53057, August 25, 2011
II - Wastewater Treatment	98.356(d)(3)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: Weekly average CH_4 concentration for each week that biogas is collected for destruction. (if using daily sampling)	CBI	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(4)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: weekly average biogas temperature at which flow is measured for biogas collected for destruction. (is using weekly sampling)	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
II - Wastewater Treatment	98.356(d)(4)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: Weekly average temperature at which flow is measured for biogas collected for destruction (if using daily sampling)	Not CBI	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(4)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: Statement that temperature is incorporated into monitoring equipment internal calculations	Emission Data	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(5)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: indication of whether flow was measured on a wet or dry basis.	Emission Data	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(5)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: indication of whether CH_4 was measured on a wet or dry basis.	Emission Data	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(5)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: weekly average moisture content for each week at which flow is measured for biogas collected for destruction (if using daily sampling)	Not CBI	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(5)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: statement that moisture content is incorporated into monitoring equipment internal calculations.	Emission Data	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(5)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: Weekly average moisture content for each week at which flow is measured for biogas collected for destruction (if using weekly sampling)	Deferred Until 2015	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
II - Wastewater Treatment	98.356(d)(6)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: weekly average biogas pressure for each week at which flow is measured for biogas collected for destruction.(if using daily sampling)	Not CBI	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(6)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: statement that biogas pressure is incorporated into monitoring equipment internal calculations.	Emission Data	77 FR 48072, August 13, 2012
II - Wastewater Treatment	98.356(d)(6)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: Weekly average pressure for each week at which flow is measured for biogas collected for destruction (if using weekly sampling)	Deferred Until 2015	76 FR53057, August 25, 2011
II - Wastewater Treatment	98.356(d)(7)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: CH_4 collection efficiency (CE) (used in equation II-5)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(d)(8)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: indication of whether destruction occurs at the facility or off-site	Not CBI	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(8)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: If destruction occurs at the facility, also report whether a back-up destruction device is present at the facility	Not CBI	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(d)(8)	If destruction occurs at the facility, also report the annual operating hours for the primary destruction device	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(d)(8)	If destruction occurs at the facility, also report the annual operating hours for the backup destruction device (if present)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
II - Wastewater Treatment	98.356(d)(8)	If destruction occurs at the facility, also report the destruction efficiency of the primary destruction device	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(d)(8)	If destruction occurs at the facility, also report the destruction efficiency of the backup destruction device (if present)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
II - Wastewater Treatment	98.356(d)(9)	For each anaerobic process from which some biogas is recovered: annual CH_4 emissions calculated by Equation II-6	Emission Data	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(e)	Total mass of CH_4 emitted from all anaerobic processes from which biogas is not recovered (calculated in Equation II-3)	Emission Data	76 FR 30782, May 26, 2011
II - Wastewater Treatment	98.356(e)	Total mass of CH_4 emitted from all anaerobic processes from which some biogas is recovered (calculated in Equations II-6 and Equation II-7.	Emission Data	76 FR 30782, May 26, 2011
RR - Geologic Sequestration of Carbon Dioxide	98.441(b)(2)(i)	A request for discontinuation of reporting must contain either 40 CFR 98.441(b)(2)(i) or (b)(2)(ii): (i) For wells permitted as Class VI under the Underground Injection Control program, a copy of the applicable Underground Injection Control program Director's authorization of site closure.	Not CBI	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.441(b)(2)(ii)	A request for discontinuation of reporting must contain either 40 CFR 98.441(b)(2)(i) or (b)(2)(ii): (ii) For all other wells, and as an alternative for wells permitted as Class VI under the Underground Injection Control program, a demonstration that current monitoring and model(s) show that the injected CO2 stream is not expected to migrate in the future in a manner likely to result in surface leakage.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(3)(i)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Mass of CO_2 emitted (metric tons) annually from equipment leaks and vented emissions of CO_2 from equipment located on the surface between the flow meter used to measure injection quantity and the injection wellhead.	Emission Data	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(3)(ii)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Mass of CO_2 emitted (metric tons) annually from equipment leaks and vented emissions of CO_2 from equipment located on the surface between the production wellhead and the flow meter used to measure production quantity.	Emission Data	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(7)(i)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each leakage pathway through which CO_2 emissions occurred, report a numerical identifier for the leakage pathway.	Emission Data	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(7)(ii)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each leakage pathway through which CO_2 emissions occurred, report CO_2 emitted through that leakage pathway in the reporting year.	Emission Data	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(8)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Annual CO_2 mass emitted (metric tons) by surface leakage in the reporting year, as calculated by Equation RR-10.	Emission Data	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(11)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Date that most recent MRV plan was approved by EPA.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(11)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): MRV plan approval number that was issued by EPA.	Emission Data	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(12)(i)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a narrative history of the monitoring efforts conducted over the previous calendar year, including a listing of all monitoring equipment that was operated, its period of operation, and any relevant tests or surveys that were conducted.	Not CBI	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(12)(ii)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a description of any changes to the monitoring program that you concluded were not material changes warranting submission of a revised MRV plan under 40 CFR 98.448(d).	Not CBI	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(12)(iii)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a narrative history of any monitoring anomalies that were detected in the previous calendar year and how they were investigated and resolved.	Not CBI	77 FR 48072, August 13, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.446(f)(12)(iv)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a description of any surface leakages of CO_2, including a discussion of all methodologies and technologies involved in detecting and quantifying the surface leakages and any assumptions and uncertainties involved in calculating the amount of CO_2 emitted.	Emission Data	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
RR - Geologic Sequestration of Carbon Dioxide	98.448	MRV Plans and revised MRV Plans.	Not CBI	77 FR 48072, August 13, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(a)	Pounds of $SF_6$and PFCs stored in containers at the beginning of the year.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(b)	Pounds of $SF_6$and PFCs stored in containers at the end of the year.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(c)	Pounds of $SF_6$and PFCs purchased in bulk.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(d)	Pounds of $SF_6$and PFCs returned by equipment users with or inside equipment.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(e)	Pounds of $SF_6$and PFCs returned to site from off site after recycling.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(f)	Pounds of SF_6 and PFCs inside new equipment delivered to customers.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(g)	Pounds of SF_6 and PFCs delivered to equipment users in containers.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(h)	Pounds of SF_6 and PFCs returned to suppliers.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(i)	Pounds of SF_6 and PFCs sent off site for destruction.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(j)	Pounds of SF_6 and PFCs sent off site to be recycled.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(k)	Nameplate capacity of the equipment delivered to customers with SF6 or PFCs inside, if different from the quantity in 40 CFR 98.456(f).	CBI	77 FR 48072, August 13, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(l)	Description of the engineering methods and calculations used to determine emissions from hoses or other flow lines that connect the container to the equipment that is being filled.	Emission Data	77 FR 48072, August 13, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(m)	The values for EF_{Ci} of Equation SS-5 for each hose and valve combination and the associated valve fitting sizes and hose diameters.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(n)	The total number of fill operations for each hose and valve combination, or, F_{ci} of Equation SS–5 of this subpart.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(o)	The mean value of nameplate capacity in pounds for each make, model, and group of conditions.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(p)	If the mass of SF6 or the PFC disbursed to customers in new equipment over the period p is determined according to the methods required in §98.453(h), report the number of samples and the upper and lower bounds on the 95 percent confidence interval for each make, model, and group of conditions.	Emission Data	77 FR 48072, August 13, 2012; 78 FR 71904, November 29, 2013
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(p)	If the mass of SF6 or the PFC disbursed to customers in new equipment over the period p is determined according to the methods required in §98.453(h), report the upper and lower bounds on the 95 percent confidence interval for each make, model, and group of conditions	Emission Data	77 FR 48072, August 13, 2012; 78 FR 71904, November 29, 2013
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(q)	Pounds of $SF_6$and PFCs used to fill equipment at off-site electric power transmission or distribution locations, or M_F, of Equation SS–6 of this subpart.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(r)	Pounds of $SF_6$and PFCs used to charge the equipment that is installed at off-site electric power transmission and distribution stations prior to the equipment leaving the electrical equipment manufacturer or refurbishment facility, or M_C, of Equation SS–6 of this subpart.	No Determination	77 FR 48072, August 13, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(s)	The nameplate capacity of the equipment, in pounds, installed at off-site electric power transmission or distribution locations used to determine emissions from installation, or N_I, of Equation SS–6 of this subpart.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(t)	For any missing data: Reason data were missing.	Emission Data	77 FR 48072, August 13, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(t)	For any missing data: Parameters for which the data were missing.	Emission Data	77 FR 48072, August 13, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(t)	For any missing data: Quantity of emissions estimated.	Emission Data	77 FR 48072, August 13, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(t)	For any missing data: Substitute parameters used to estimate emissions in their absence.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
TT- Industrial Landfills	98.466(a)(1)	Classification of the landfill as open or closed	Not CBI	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(a)(2)	The year the landfill first started accepting waste for disposal	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
TT- Industrial Landfills	98.466(a)(3)	Last year the landfill accepted waste (for open landfills, enter the estimated year of landfill closure) (for closed landfills not using Equation TT-4 and for all open landfills)	Not CBI	76 FR 30782, May 26, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
TT- Industrial Landfills	98.466(a)(3)	Last year the landfill accepted waste (for closed landfills using Equation TT-4)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
TT- Industrial Landfills	98.466(a)(4)	Capacity of the landfill in metric tons (for closed landfills not using Equation TT-4 and all open landfills)	Not CBI	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(a)(4)	Capacity of the landfill in metric tons (for closed landfills using Equation TT-4)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
TT- Industrial Landfills	98.466(a)(5)	Typical frequency of leachate use over the past 10 years	Not CBI	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(b)(1)	The number of waste streams (including "other industrial solid waste (not otherwise listed)" and "inerts") for which Equation TT-1 is used to calculate modeled CH_4 generation.	Not CBI	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(b)(2)	A description of each waste stream (including the types of materials in each waste stream) for which Equation TT–1 of this subpart is used to calculate modeled CH_4 generation.	Emission Data	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(b)(3)	The fraction of CH_4 in the landfill gas, F, (volume fraction, dry basis, corrected to 0% oxygen) for the reporting year.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
TT- Industrial Landfills	98.466(b)(3)	An indication as to whether this (fraction of CH_4 in the landfill gas, F) was the default value or a value determined through measurement data.	Emission Data	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(b)(4)	The methane correction factor (MCF) value used in the calculations.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
TT- Industrial Landfills	98.466(b)(4)	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including aeration blower capacity.	Not CBI	77 FR 48072, August 13, 2012
TT- Industrial Landfills	98.466(b)(4)	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including the fraction of the landfill containing waste affected by the aeration.	Not CBI	77 FR 48072, August 13, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
TT- Industrial Landfills	98.466(b)(4)	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including the total number of hours during the year the aeration blower was operated.	Not CBI	77 FR 48072, August 13, 2012
TT- Industrial Landfills	98.466(b)(4)	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including other factors used as a basis for the selected MCF value.	Not CBI	77 FR 48072, August 13, 2012
TT- Industrial Landfills	98.466(b)(5)	For each waste stream, the decay rate (k) value used in the calculations. (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(1)	For each waste stream indentified in 9.466(b), The decay rate (k) value used in the equation TT-1 (Reported in RY2010, RY2011, and RY2012)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; removed by 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(2)	For each waste stream identified in paragraph (b), the method(s) for estimating historical waste disposal quantities and the range of years for which each method applies.	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(2)	The range of years for which each estimation method applies	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(3)(i)	For each waste stream identified in paragraph (b) of this section for which Equation TT-2 of this subpart is used, provide: Total number of years (N) for which disposal and production data are both available.	Deferred Until 2015	76 FR 53057, August 25, 2011
TT- Industrial Landfills	98.466(c)(3)(ii)	If Equation TT-2 is used: The year used in Equation TT-2 of this subpart to calculate the average waste disposal factor (WDF).	Emission Data	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(c)(3)(ii)	If Equation TT-2 is used, provide: Waste disposal quantity for each year used in Equation TT-2 of this subpart to calculate the average waste disposal factor (WDF).	Deferred Until 2015	76 FR53057, August 25, 2011
TT- Industrial Landfills	98.466(c)(3)(ii)	For each waste stream identified in paragraph (b) of this section for which Equation TT-2 of this subpart is used, provide: Production quantity for each year used in Equation TT-2 of this subpart to calculate the average waste disposal factor (WDF).	Deferred Until 2015	76 FR 53057, August 25, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
TT- Industrial Landfills	98.466(c)(3)(iii)	For each waste stream identified in paragraph (b) of this section for which Equation TT-2 of this subpart is used, provide: Average waste disposal factor (WDF) calculated for the waste stream.	Deferred Until 2015	76 FR 53057, August 25, 2011
TT- Industrial Landfills	98.466(c)(4)(i)	If Equation TT–4a of this subpart is used, provide: Value of landfill capacity (LFC).	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(4)(ii)	If Equation TT–4a of this subpart is used, provide:YrData.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(4)(iii)	If Equation TT–4a of this subpart is used, provide:YrOpen.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(5)(i)	WIP (i.e., the quantity of waste in-place at the start of the reporting year from design drawings or engineering estimates (metric tons) or, for closed landfills for which waste in-place quantities are not available, the landfill's design capacity) (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(5)(ii)	The cumulative quantity of waste placed in the landfill for the years for which disposal quantities are available from company record or from Equation TT-3 of this part (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(5)(iii)	YrLast (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(5)(iv)	YrOpen (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(5)(v)	NYrData (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
TT- Industrial Landfills	98.466(d)(1)	For each year of landfilling starting with the ''Start Year'' (S) and each year thereafter up to the current reporting year, report the following information: The calendar year for which the data elements in 40 CFR 98.466(d) apply.	Emission Data	77 FR 48072, August 13, 2012
TT- Industrial Landfills	98.466(d)(2)	For each year of land filling starting with the "start year" and each year thereafter up to the current reporting year, Quantity of waste (Wx) disposed of in the landfill for each waste stream	No Determination	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(d)(3)	For each waste stream, the degradable organic carbon (DOCx) value (mass fraction) for the specified year.	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(d)(3)	For each waste stream: An indication as to whether this was the default value from Table TT–1 to this subpart, a measured value using a 60-day anaerobic biodegradation test as specified in §98.464(b)(4)(i), or a value based on total and volatile solids measurements as specified in §98.464(b)(4)(ii).	Emission Data	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(d)(3)	For each waste stream: If DOCx was determined by a 60-day anaerobic biodegradation test, specify the test method used.	Not CBI	77 FR 48072, August 13, 2012; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(e)(1)	Type of cover material used (i.e., organic, clay, sand, or other soil mixtures).	Not CBI	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(e)(2)	Surface area (in square meters) at the start of the reporting year for the landfill sections that contain waste and that are associated with the selected cover type for those facilities who do not use a landfill gas collection system).	Not CBI	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(e)(2)	Surface area (in square meters) at the start of the reporting year for the landfill sections that contain waste and that are associated with the selected cover type (for facilities using a landfill gas collection system)	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Status of GHGRP Data (CBI, Not CBI, Emission Data, No Determination, Deferred Input)	Source
TT- Industrial Landfills	98.466(f)	Modeled annual methane generation (G_{CH4}) for the reporting year (metric tons CH_4) calculated using Equation TT-1 (used in Equation TT-6).	No Determination	Memorandum: Evaluation of Inputs Deferred until 2013, December 17, 2012
TT- Industrial Landfills	98.466(g)(1)	The annual methane emissions (i.e., the methane generation (MG), adjusted for oxidation, calculated using Equation TT-6) for landfills without gas collection systems, reported in metric tons CH_4.	Emission Data	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(g)(2)	Indication of whether passive vents and/or passive flares (vents or flares that are not considered part of the gas collection system as defined in §98.6) are present, for landfills without gas collection systems.	Not CBI	76 FR 30782, May 26, 2011
TT- Industrial Landfills	98.466(h)(1)	For landfills with gas collection systems: Annual methane generation, adjusted for oxidation, calculated using Equation TT-6, reported in metric tons CH_4. (Reported beginning in RY2013)	Emission Data	78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(h)(2)	For landfills with gas collection systems: Oxidation factor used in Equation TT-6 (Reported beginning in RY2013)	No Determination	78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(h)(3)	For landfills with gas collection systems: Report all information required under 40 CFR 98.346(i)(1) through (7) and 40 CFR 98.346(i)(9) through (12).	See entry for §98.346(i) of Subpart HH in this table	76 FR 30782, May 26, 2011; 78 FR 71904, November 29, 2013