

**Greenhouse Gas Reporting Program: Data Reported by Facilities Subject to the Direct Emitter Subparts C-V, X-II, and RR-TT****Key to "Confidentiality Determination":**

**"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"** 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"** means the data element has been determined by rulemaking to not qualify as Confidential Business Information. A facility cannot claim such data elements to be Confidential Business Information and the data element will not be protected as Confidential Business Information.

**"No determination"** means the EPA has not made a confidentiality determination through rulemaking. The EPA will evaluate and determine the confidentiality status of data elements with no determination on a per-facility basis, in accordance with the provisions of 40 CFR part 2, subpart B.

**"Input to Equation"** means that the data element is used as an input to an emissions equation in Part 98 and that a final confidentiality determination has not been made (See 79 FR 63750, October 24, 2014). An evaluation of possible disclosure concerns was conducted for the data element as indicated in Notes 1-5 below.

**Notes for "Input to Equation":**

**Note 1:** An EPA review has shown there are no disclosure concerns for this data element. For additional information on the EPA's review, see the memorandum "Final Evaluation of Competitive Harm from Disclosure of 'Inputs to Equations' Data Elements Deferred to March 31, 2015," September 2014 (see <http://www.epa.gov/ghgreporting/confidential-business-information-ghg-reporting>; referred to below as "Inputs Memo, September 2014), available in the docket for the rulemaking 79 FR 63750, October 24, 2014.

**Note 2:** An EPA review has shown there are no disclosure concerns for this data element. For additional information on the EPA's review, see the memorandum "Evaluation of Inputs Deferred until 2013," December 17, 2012 (see <http://www.epa.gov/ghgreporting/confidential-business-information-ghg-reporting>).

**Note 3:** An EPA review has determined that there may be disclosure concerns for this data element. If a facility determines there are no disclosure concerns for their facility, the facility may report the data; otherwise, the data are not reported (data are entered into the inputs verification tool in e-GGRT for verification purposes, but not retained by e-GGRT). (See section II.A.2 of the preamble to the "Revisions to Reporting and Recordkeeping Requirements, and Confidentiality Determinations under the Greenhouse Gas Reporting Program; Final Rule", 79 FR 63750, October 24, 2014).

**Note 4:** An EPA review has shown there are no disclosure concerns for this data element. For additional information on the EPA's review, see the memorandum "Summary of Evaluation of "Inputs to Emission Equations" Data Elements Added with the 2013 Revisions to the Greenhouse Gas Reporting Rule," September 4, 2013, available in the docket for the rulemaking 78 FR 71904, November 29, 2013.

**Note 5:** An EPA review has shown there are no disclosure concerns for this data element. For additional information on the EPA's review, see the memorandum "Final Data Category Assignments and Confidentiality Determinations for Data Elements in the 2015 Revisions," September 12, 2016, available in the docket for the rulemaking 81 FR 89188, December 9, 2016.

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
A - General Reporting Requirements	98.3(c)(1), & 98.4(i)(1)	Facility name	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(1)	Physical street address of the facility, including the city, state, and zip code	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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.	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
A - General Reporting Requirements	98.3(c)(2)	Year and months covered by the report	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(3)	Date of submittal of the report	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(4)(i)	Annual emissions (excluding biogenic CO <sub>2</sub> ) aggregated for all GHGs for all applicable source categories, expressed in metric tons of CO <sub>2</sub> e calculated using Equation A-1 of this subpart. For electronics manufacturing (as defined in § 98.90), starting in reporting year 2012 the CO <sub>2</sub> e 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; CBI Memo, April 29, 2011; 77 FR 51477, August 24, 2012.
A - General Reporting Requirements	98.3(c)(4)(ii)	Annual emissions of biogenic CO <sub>2</sub> aggregated for all applicable source categories, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(A)	Annual emissions of biogenic CO <sub>2</sub> from each applicable source category, expressed in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(B)	Annual emissions of CO <sub>2</sub> (excluding biogenic CO <sub>2</sub> ) from each applicable source category, expressed in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(C)	Annual emissions of CH <sub>4</sub> from each applicable source category, expressed in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(D)	Annual emissions of N <sub>2</sub> O from each applicable source category, expressed in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(E)	Annual emissions of each fluorinated GHG (as defined in § 98.6) except those from fluorinated gas production facilities, expressed in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(4)(iii)(E)	If a fluorinated GHG does not have a chemical-specific GWP in Table A-1 of this subpart, identify and report the fluorinated GHG group of which that fluorinated GHG is a member.	Emission Data	79 FR 73750, December 11, 2014
A - General Reporting Requirements	98.3(c)(4)(iii)(F)	For electronics manufacturing (as defined in § 98.90), annual emissions of 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.	Emission Data	77 FR 51488, August 24, 2012 77 FR 29935, May 21, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
A - General Reporting Requirements	98.3(c)(4)(iii)(F)	If a fluorinated heat transfer fluid does not have a chemical-specific GWP in Table A-1 of this subpart, identify and report the fluorinated GHG group of which that fluorinated heat transfer fluid is a member.	No Determination	79 FR 73777, December 11, 2014
A - General Reporting Requirements	98.3(c)(4)(iii)(G)(1)	For each reported fluorinated GHG and fluorinated heat transfer fluid: Chemical name or use the method of naming organic chemical compounds, as applicable	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
A - General Reporting Requirements	98.3(c)(4)(iii)(G)(2)	For each reported fluorinated GHG and fluorinated heat transfer fluid: CAS registry number or identification number assigned by EPA's Substance Registry Services, as applicable	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
A - General Reporting Requirements	98.3(c)(4)(iii)(G)(3)	For each reported fluorinated GHG and fluorinated heat transfer fluid: Linear chemical formula	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
A - General Reporting Requirements	98.3(c)(4)(v)	Emissions are from cogeneration units (y/n)?	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(5)(ii)(A)	For each reported fluorinated GHG: Chemical name or use method of naming organic chemical compounds, as applicable	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
A - General Reporting Requirements	98.3(c)(5)(ii)(B)	For each reported fluorinated GHG: CAS registry number assigned by the Chemical Abstracts Registry Service or identification number assigned by EPA's Substance Registry Services, as applicable	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
A - General Reporting Requirements	98.3(c)(5)(ii)(C)	For each reported fluorinated GHG: Linear chemical formula	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
A - General Reporting Requirements	98.3(c)(6)	A written explanation, as required under §98.3(e), if you change emission calculation methodologies during the reporting period	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(8)	Each parameter for which a missing data procedure was used according to the procedures of an applicable subpart	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(8)	Total number of hours in the year that a missing data procedure was used for each parameter	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.3(c)(9)	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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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.	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	Name of the designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	Address of the designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	Facsimile transmission number of the designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	Name of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	Address of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the alternate designated representative	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(4)	Certification statements in 98.4(i)(4)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
A - General Reporting Requirements	98.4(i)(6)	Subparts that the owners and operators anticipate will be included in the annual GHG report	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
C - Stationary Combustion	98.36(b)(1)	Unit ID number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(2)	Code representing the type of unit	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(4)	Types of fuel combusted during the report year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(5)	Methodology (i.e., Tier) used to calculate the CO <sub>2</sub> emissions for each type of fuel combusted	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(6)	Methodology start date for each fuel type	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(7)	Methodology end date for each fuel type	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual CO <sub>2</sub> mass emissions (including biogenic CO <sub>2</sub> ) for each type of fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual CH <sub>4</sub> mass emissions in metric tons of gas for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual CH <sub>4</sub> mass emissions in metric tons of CO <sub>2</sub> e for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual N <sub>2</sub> O mass emissions in metric tons of gas for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual N <sub>2</sub> O mass emissions in metric tons of CO <sub>2</sub> e for each fuel combusted during the reporting year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 CO <sub>2</sub> emissions (if applicable).	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(9)(i)	For each unit that uses Tier 4: If the total annual CO <sub>2</sub> mass emissions measured by the CEMS consists entirely of non-biogenic CO <sub>2</sub> (i.e., CO <sub>2</sub> from fossil fuel combustion plus, if applicable, CO <sub>2</sub> from sorbent and/or process CO <sub>2</sub> ), report the total annual CO <sub>2</sub> mass emissions, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(9)(ii)	Report the total annual CO <sub>2</sub> mass emissions measured by the CEMS. If this total includes both biogenic and non-biogenic CO <sub>2</sub> mass emissions, separately report the annual non-biogenic CO <sub>2</sub> mass emissions, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(9)(ii)	Report the total annual CO <sub>2</sub> mass emissions measured by the CEMS. If this total includes both biogenic and non-biogenic CO <sub>2</sub> mass emissions, separately report the annual CO <sub>2</sub> mass emissions from biomass combustion, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(b)(9)(iv)	Annual CH <sub>4</sub> emissions for each type of fuel listed in Table C-2 of this subpart that was combusted in the unit during the reporting year, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(9)(iv)	Annual CH <sub>4</sub> emissions for each type of fuel listed in Table C-2 of this subpart that was combusted in the unit during the reporting year, expressed in metric tons CO <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(9)(iv)	Annual N <sub>2</sub> O emissions for each type of fuel listed in Table C-2 of this subpart that was combusted in the unit during the reporting year, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(9)(iv)	Annual N <sub>2</sub> O emissions for each type of fuel listed in Table C-2 of this subpart that was combusted in the unit during the reporting year, expressed in metric tons CO <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(10)	Annual CO <sub>2</sub> emissions from sorbent	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(b)(11)	If applicable, the plant code (as defined in §98.6).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
C - Stationary Combustion	98.36(c)(1)(i)	When reporting using Aggregation of units, report Group ID number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(iii)	When reporting using Aggregation of units, report cumulative maximum rated heat input capacity of the group, excluding units less than 10 (mmBtu/hr)	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
C - Stationary Combustion	98.36(c)(1)(iv)	When reporting using Aggregation of units, report highest maximum rated heat input capacity of any unit in the group	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(v)	When reporting using Aggregation of units, report each type of fuel combusted in the group of units during the reporting year	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	When reporting using Aggregation of units, report annual CO <sub>2</sub> mass emissions (CO <sub>2</sub> e) for each type of fuel combusted in the group during the report year	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	When reporting using Aggregation of units, report annual CH <sub>4</sub> 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(c)(1)(vi)	When reporting using Aggregation of units, report annual CH <sub>4</sub> mass emissions expressed in metric tons of CO <sub>2</sub> e for each type of fuel combusted in the group during the report year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	When reporting using Aggregation of units, report annual N <sub>2</sub> O 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	When reporting using Aggregation of units, report annual N <sub>2</sub> O mass emissions expressed in metric tons of CO <sub>2</sub> e for each type of fuel combusted in the group during the report year.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	When reporting using Aggregation of units, if any of the units burn both fossil fuels and biomass, report annual CO <sub>2</sub> emissions from combustion of fossil fuels combined	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(vi)	When reporting using Aggregation of units, if any of the units burn both fossil fuels and biomass, report annual CO <sub>2</sub> emissions from combustion of all biomass fuels combined.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(vii)	When reporting using Aggregation of units, report methodology (i.e., Tier) used to calculate the CO <sub>2</sub> mass emissions for each type of fuel combusted in the units	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(viii)	When reporting using Aggregation of units, report methodology start date for each fuel type	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(ix)	When reporting using Aggregation of units, report methodology end data for each fuel type	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(x)	When reporting using Aggregation of units, report calculated CO <sub>2</sub> mass emissions from sorbent expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(1)(xi)	When reporting using Aggregation of units, report, if applicable, the plant code (as defined in §98.6).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
C - Stationary Combustion	98.36(c)(2)(i)	When reporting using monitored common stack or duct configuration, report the common stack or duct identification number, beginning with the prefix "CS".	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(ii)	When reporting using monitored common stack or duct configuration, 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(iii)	When reporting using monitored common stack or duct configuration, report 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(iv)	When reporting using monitored common stack or duct configuration, report each type of fuel combusted in the units during the year	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(c)(2)(v)	When reporting using monitored common stack or duct configuration, report the methodology (tier) used to calculate the CO <sub>2</sub> mass emissions, i.e., Tier 4	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(vi)	When reporting using monitored common stack or duct configuration, report the methodology start date.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(vii)	When reporting using monitored common stack or duct configuration, report the methodology end date.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(viii)	When reporting using monitored common stack or duct configuration, report total annual CO <sub>2</sub> mass emissions measured by the CEMS, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(viii)	When reporting using monitored common stack or duct configuration, report, if any of the units burn both fossil fuels and biomass, separately report the annual non-biogenic CO <sub>2</sub> emissions (i.e., CO <sub>2</sub> emissions from fossil fuel combustion plus, if applicable, CO <sub>2</sub> emissions from sorbent and/or process CO <sub>2</sub> ) and the annual CO <sub>2</sub> emissions from biomass combustion, each expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(ix)	When reporting using monitored common stack or duct configuration, report an estimate of the heat input from each type of fuel listed in Table C-2 combusted during the reporting year. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(c)(2)(ix)	When reporting using monitored common stack or duct configuration, report an estimate of the heat input from each type of fuel listed in Table C-2 combusted during the reporting year. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(c)(2)(x)	When reporting using monitored common stack or duct configuration, for each type of fuel listed in Table C-2 of this subpart that was combusted during the reporting year in the units sharing the common stack or duct during the reporting year, report the CH <sub>4</sub> emissions from the units sharing the common stack or duct, expressed in metric tons of gas.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(x)	When reporting using monitored common stack or duct configuration, for each type of fuel listed in Table C-2 of this subpart that was combusted during the reporting year in the units sharing the common stack or duct during the reporting year, report the CH <sub>4</sub> emissions from the units sharing the common stack or duct, expressed in metric tons of CO <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(x)	When reporting using monitored common stack or duct configuration, for each type of fuel listed in Table C-2 of this subpart that was combusted during the reporting year in the units sharing the common stack or duct during the reporting year, report the N <sub>2</sub> O emissions from the units sharing the common stack or duct, expressed in metric tons of gas.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(x)	When reporting using monitored common stack or duct configuration, for each type of fuel listed in Table C-2 of this subpart that was combusted during the reporting year in the units sharing the common stack or duct during the reporting year, report the N <sub>2</sub> O emissions from the units sharing the common stack or duct, expressed in metric tons of CO <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(2)(xi)	When reporting using monitored common stack or duct configuration, report, if applicable, the plant code (as defined in §98.6).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
C - Stationary Combustion	98.36(c)(3)(i)	When reporting using the common pipe configuration, report common pipe identification number, beginning with the prefix "CP".	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(ii)	When reporting using the common pipe configuration, report cumulative maximum rated heat input capacity of the units served by the common pipe, excluding units less than 10 (mmBtu/hr)	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
C - Stationary Combustion	98.36(c)(3)(iii)	When reporting using the common pipe configuration, report the highest maximum rated heat input capacity of any unit served by the common pipe	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(iv)	When reporting using the common pipe configuration, report fuels combusted in the units during the reporting year	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(v)	When reporting using the common pipe configuration, report methodology used to calculate the CO <sub>2</sub> mass emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(vi)	When reporting using the common pipe configuration, report annual CO <sub>2</sub> mass emissions from combustion of all fossil fuels	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(c)(3)(vi)	When reporting using the common pipe configuration, report annual CO <sub>2</sub> emissions from combustion of all biomass fuels	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When reporting using the common pipe configuration, report the annual CO <sub>2</sub> 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When reporting using the common pipe configuration, report the annual CH <sub>4</sub> 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When reporting using the common pipe configuration, report the annual N <sub>2</sub> O 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When reporting using the common pipe configuration, report the annual CH <sub>4</sub> emissions from each fuel type for the units served by the common pipe, expressed in metric tons of CO <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(vii)	When reporting using the common pipe configuration, report the annual N <sub>2</sub> O emissions from each fuel type for the units served by the common pipe, expressed in metric tons of CO <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(viii)	When reporting using the common pipe configuration, report the methodology start date	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(ix)	When reporting using the common pipe configuration, report the methodology end date	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(c)(3)(x)	When reporting using the common pipe configuration, report, if applicable, the plant code (as defined in §98.6).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
C - Stationary Combustion	98.36(d)(1)(i)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(ii)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report annual CO <sub>2</sub> emissions at each monitored location, expressed in both short tons and metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(iii)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report annual CH <sub>4</sub> 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 CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(d)(1)(iii)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report annual N <sub>2</sub> O 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 CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(iv)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D, report 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.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
C - Stationary Combustion	98.36(d)(1)(v)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report identification of the part 75 methodology used to determine the CO <sub>2</sub> mass emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(vi)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report methodology start date	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(vii)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report methodology end date	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(viii)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report Acid Rain Program indicator	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(ix)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report annual CO <sub>2</sub> mass emissions from the combustion of biomass, expressed in metric tons of CO <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(1)(x)	For stationary combustion units that are subject to part 75 of this chapter and that are subject to subpart D of this part, report, if applicable, the plant code (as defined in §98.6).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
C - Stationary Combustion	98.36(d)(2)(i)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(A)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report each type of fuel combusted in the unit during the reporting year	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(d)(2)(ii)(B)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report the methodology used to calculate the CO <sub>2</sub> mass emissions for each fuel type	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(C)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report the methodology start date	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(D)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report the methodology end date.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(E)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(F)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report annual CO <sub>2</sub> emissions at each monitored location, across all fuel types, expressed in metric tons of CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(G)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), 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.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
C - Stationary Combustion	98.36(d)(2)(ii)(H)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report CH <sub>4</sub> 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 <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(d)(2)(ii)(H)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report N <sub>2</sub> O 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 <sub>2</sub> e.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(I)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report annual CO <sub>2</sub> mass emissions from the combustion of biomass, expressed in metric tons CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(ii)(J)	For stationary combustion units that are subject to part 75 of this chapter and that use the alternative CO <sub>2</sub> mass emissions calculation methods provided in §98.33(a)(5), report, if applicable, the plant code (as defined in §98.6).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
C - Stationary Combustion	98.36(d)(2)(iii)(A)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report each type of fuel combusted during the reporting year.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(B)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report methodology used to calculate the CO <sub>2</sub> mass emissions.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(C)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report methodology start date.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(D)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report methodology end date.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(E)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report a code or flag to indicate that the heat input data is derived from CEMS measurements	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(d)(2)(iii)(F)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report the total annual CO <sub>2</sub> emissions at each ponitored loction, expressed in metric tons CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(G)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, 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.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
C - Stationary Combustion	98.36(d)(2)(iii)(H)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report annual CH <sub>4</sub> 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 proided in §98,33(c)(4)(ii)(b)) expressed in metric tons CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(H)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report annual N <sub>2</sub> O emissionsat 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 proided in §98,33(c)(4)(ii)(b)) expressed in metric tons CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(I)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report annual CO <sub>2</sub> mass emissions from the combustion of biomass, expressed in metric tons CO <sub>2</sub> e	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(d)(2)(iii)(J)	For stationary combustion units that are subject to part 75 of this chapter and that have continuous monitoring systems that use the alternative methods for units with continuous monitoring systems in §98.33(a)(5)(iii) to monitor heat input year-round, report, if applicable, the plant code (as defined in §98.6).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(i)(A)	For Tier 1: 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. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(i)(A)	For Tier 1: 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. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(i)(B)	For Tier 1: Moisture content used to calculate the wood and wood residuals wet basis HHV for use in Equations C-1 and C-8, in percent	Input to Equation (Note 5)	81 FR 2550, January 15, 2016; 81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
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. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ii)(B)	For Tier 2: Frequency of the HHV determinations	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(ii)(C)	For Tier 2: High heat values used in the CO <sub>2</sub> 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. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ii)(C)	For Tier 2: High heat values used in the CO <sub>2</sub> 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. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(ii)(D)	For Tier 2: 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. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ii)(D)	For Tier 2: 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 <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ii)(D)	For Tier 2: If Eq. C-2c is used: Ratio of the maximum rate heat input capacity to the design rated steam output capacity of the unit. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ii)(D)	For Tier 2: If Eq. C-2c is used: Ratio of the maximum rate heat input capacity to the design rated steam output capacity of the unit. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(ii)(E)	For Tier 2: Indicate whether each reported HHV is a measured value or a substitute data value	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(A)	For Tier 3: Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year in short tons for solid fuels, gallons for liquid fuels, and scf for gaseous fuels. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(iv)(A)	For Tier 3: Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year in short tons for solid fuels, gallons for liquid fuels, and scf for gaseous fuels. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(iv)(B)	For Tier 3: Frequency of carbon content determinations	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(B)	For Tier 3: Frequency of molecular weight determinations	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(C)	For Tier 3: 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. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(iv)(C)	For Tier 3: 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. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(iv)(C)	For Tier 3: 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. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(iv)(C)	For Tier 3: 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. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(iv)(D)	For Tier 3: Total number of valid carbon content determinations made during the reporting year	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 28, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(D)	For Tier 3: Total number of valid molecular weight determinations made during the reporting year	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 28, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(E)	For Tier 3: Total number of substitute data values used for carbon content determinations made during the reporting year	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 28, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(E)	For Tier 3: Total number of substitute data values used for molecular weight determinations made during the reporting year	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 28, 2011
C - Stationary Combustion	98.36(e)(2)(iv)(F)	For Tier 3: The annual average HHV, when measured HHV data, rather than a default HHV from Table C-1 of this subpart, are used to calculate CH <sub>4</sub> and N <sub>2</sub> O emissions for a Tier 3 unit, in accordance with §98.33(c)(1). <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(iv)(F)	For Tier 3: The annual average HHV, when measured HHV data, rather than a default HHV from Table C-1 of this subpart, are used to calculate CH <sub>4</sub> and N <sub>2</sub> O emissions for a Tier 3 unit, in accordance with §98.33(c)(1). <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(iv)(G)	For Tier 3: The value of the molar volume constant (MVC) at standard conditions used in Eq. C-5	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(vi)(A)	For Tier 4: The total number of source operating hours in the reporting year.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(vi)(B)	For Tier 4: Cumulative CO <sub>2</sub> mass emissions in each quarter of the reporting year, in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(vi)(C)	For Tier 4: Percentage of source operating hours in which a substitute data value of CO <sub>2</sub> concentration was used in the emissions calculations	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(vi)(C)	For Tier 4: 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(vi)(C)	For Tier 4: 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; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(viii)(A)	If CO <sub>2</sub> emissions that are generated from acid gas scrubbing with sorbent injection are not captured using CEMS, report total amount of sorbent used in acid gas control devices during the report year	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(viii)(B)	If CO <sub>2</sub> emissions that are generated from acid gas scrubbing with sorbent injection are not captured using CEMS, report the molecular weight of the sorbent.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(viii)(C)	If CO <sub>2</sub> emissions that are generated from acid gas scrubbing with sorbent injection are not captured using CEMS, report the ratio ("R") in Equation C-11 . This is the ratio of moles of CO <sub>2</sub> released per mole of the acid gas species removed ( a default factor of 1 is used where the sorbent is CaCaO <sub>3</sub> and the acid gas is SO <sub>2</sub> )	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
C - Stationary Combustion	98.36(e)(2)(ix)(A)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report annual volume of CO <sub>2</sub> emitted from the combustion of all fuels, i.e., V <sub>total</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(B)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report annual volume of CO <sub>2</sub> emitted from the combustion of fossil fuels in total	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(B)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report annual volume of CO <sub>2</sub> emitted from the combustion of fossil fuels. If more than one type of fossil fuel was combusted, report the combusted volume of CO <sub>2</sub> for wch fuel separately	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(C)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report annual volume of CO <sub>2</sub> emitted from the combustion of biomass, i.e., V <sub>bio</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
C - Stationary Combustion	98.36(e)(2)(ix)(D)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report the carbon-based F-factor used in Equation C-13 of this subpart. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(ix)(D)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report the carbon-based F-factor used in Equation C-13 of this subpart. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ix)(E)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report the annual average HHV value used in Equation C-13 of this subpart. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ix)(E)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report the annual average HHV value used in Equation C-13 of this subpart. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
C - Stationary Combustion	98.36(e)(2)(ix)(F)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report the total quantity of fossil fuel combusted during the reporting year. <i>(Applies to facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ix)(F)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report the total quantity of fossil fuel combusted during the reporting year. <i>(Applies to all combustion facilities, excluding those facilities that contain at least one combustion unit connected to a fuel-fired electric generator owned or operated by an entity that is subject to regulation of customer billing rates by the public utility commission (PUC) (excluding generators connected to combustion units subject to 40 CFR part 98, subpart D) and that are located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output)</i>	Input to Equation (See Note 3)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
C - Stationary Combustion	98.36(e)(2)(ix)(G)	For units that combust both fossil fuel and biomass, when biogenic CO <sub>2</sub> is determined according to §98.33(e)(2), report the annual biogenic CO <sub>2</sub> mass emissions.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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 CO <sub>2</sub> emissions from MSW combustion, as described in 98.34(d), report the results of each quarterly sample analysis.	Input to Equation (see Note 2)	Inputs Memo, 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 <sub>2</sub> emissions from MSW combustion, as described in 98.34(d), report the annual biogenic CO <sub>2</sub> mass emissions from MSW combustion, in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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 CO <sub>2</sub> emissions from a unit that co-fires biogenic fuels (or partly-biogenic fuels, including tires if you are electing to report biogenic CO <sub>2</sub> emissions from tire combustion) and non-biogenic fuels: Report the results of quarterly sample analysis.	Input to Equation (see Note 2)	Inputs Memo, 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, if tier 1 or Tier 2 Calculation Methodology is used to calculate CO <sub>2</sub> emissions	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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, if solid fuel is combusted and the Tier 3 Calculation Methodology is used to calculate CO <sub>2</sub> emissions.	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
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 CO <sub>2</sub> emissions and combusts both fossil fuel and biomass.	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 CO <sub>2</sub> 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	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)(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; CBI Memo, April 29, 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; CBI Memo, April 29, 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 carbon content for each type of fuel combusted.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
D - Electricity Generation	98.46	Data reporting requirements specified in §98.36(d)(1)	See entries for Subpart C in this table	
E - Adipic Acid Production	98.53(a)(2)(ii)	Notify the EPA of your use of a previously approved alternative method in your annual report	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
E - Adipic Acid Production	98.56(a)	Annual process N <sub>2</sub> O emissions from adipic acid production	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(d)	Annual process N <sub>2</sub> O emissions from adipic acid production that is sold or transferred off site	See entry for §98.416(a)(1) in Subpart OO in the CBI Table for Suppliers Subparts	
E - Adipic Acid Production	98.56(e)	Number of abatement technologies	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(f)	Types of abatement technologies used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(f)	Date of installation for each abatement technology	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
E - Adipic Acid Production	98.56(g)	Abatement technology destruction efficiency for each abatement technology	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
E - Adipic Acid Production	98.56(h)	Abatement utilization factor for each abatement technology (fraction of annual production that abatement technology is operating)	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(j)(4)	N <sub>2</sub> O concentration per test run during performance test for each unit	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
E - Adipic Acid Production	98.56(j)(5)	Volumetric flow rate per test run during performance test for each unit	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
E - Adipic Acid Production	98.56(j)(6)	Number of test runs for each unit	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(k)(1)	Name of alternative method for determining N <sub>2</sub> O concentration (report if Administrator approval was requested for an alternative method of determining N <sub>2</sub> O emissions)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(k)(2)	Description of alternative method for determining N <sub>2</sub> O concentration (report if Administrator approval was requested for an alternative method of determining N <sub>2</sub> O emissions)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(k)(3)	Request date of approval for alternative method for determining N <sub>2</sub> O concentration (report if Administrator approval was requested for an alternative method of determining N <sub>2</sub> O emissions)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
E - Adipic Acid Production	98.56(k)(4)	Approval date of alternative method of determining N <sub>2</sub> O concentration (report if Administrator approval was requested for an alternative method of determining N <sub>2</sub> O emissions)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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.	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
E - Adipic Acid Production	98.56(m)(1)	If only cyclohexane is oxidized to produce adipic acid, report the annual quantity of cyclohexane (tons) used to produce adipic acid.	CBI	79 FR 63750, October 24, 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
E - Adipic Acid Production	98.56(m)(2)	If materials other than cyclohexane are oxidized to produce adipic acid, report the annual quantity of cyclohexanone and cyclohexanol mixture (tons) used to produce adipic acid.	CBI	79 FR 63750, October 24, 2014
E - Adipic Acid Production	98.56(n)	Annual percent N <sub>2</sub> O emission reduction for all production units combined.	Not CBI	79 FR 63750, October 24, 2014
F - Aluminum Production	98.66(b)	Type of smelter technology used	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
F - Aluminum Production	98.66(c)(2)	The following PFC-specific information on an annual basis: Anode effect minutes per cell-day (AE-mins/cell-day), anode effects frequency (AE/cell-day), anode effects duration (minutes). (OR anode effect overvoltage factor ((kgCF <sub>4</sub> /metric ton Al)/(mV/cell day)), potline overvoltage (mV/cell day), current efficiency (%)).	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
F - Aluminum Production	98.66(c)(3)	The following PFC-specific information on an annual basis: Smelter-specific slope coefficients (or overvoltage emission factors)	Input to Equation (Note 5)	81 FR 2553, January 15, 2016; 81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
F - Aluminum Production	98.66(c)(3)	The following PFC-specific information on an annual basis: Last date when the smelter-specific-slope coefficients (or overvoltage emission factors) were measured	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
F - Aluminum Production	98.66(d)	Method used to measure the overvoltage	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
F - Aluminum Production	98.66(e)(1)	Annual anode consumption (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
F - Aluminum Production	98.66(e)(2)	Annual CO <sub>2</sub> emissions from the smelter	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
F - Aluminum Production	98.66(f)(1)	Annual paste consumption (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
F - Aluminum Production	98.66(f)(2)	Annual CO <sub>2</sub> emissions from the smelter	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(a)	If a CEMS is used to measure CO <sub>2</sub> 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	
G - Ammonia Manufacturing	98.76(a)(1)	Annual quantity of each type of feedstock consumed for ammonia manufacturing (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(a)(2)	Method used for determining quantity of feedstock (CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
G - Ammonia Manufacturing	98.76(a)(3)	Annual ammonia production (metric tons, sum of all process units) (CEMS)	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
G - Ammonia Manufacturing	98.76(b)(1)	Annual CO <sub>2</sub> process emissions for each ammonia manufacturing processing unit (no CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(a) & (b)(1)	Annual CO <sub>2</sub> process emissions (where all or part of the process CO <sub>2</sub> generated are collected for use onsite or transfer offsite)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(b)(2)	Annual gaseous feedstock consumed for ammonia manufacturing (in scf of feedstock)	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
G - Ammonia Manufacturing	98.76(b)(2)	Annual liquid feedstock consumed for ammonia manufacturing (in gallons of feedstock)	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
G - Ammonia Manufacturing	98.76(b)(2)	Annual solid feedstock consumed for ammonia manufacturing (in kg of feedstock)	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(b)(5)	If carbon content of feedstock for month n is based on analysis, the test method used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(b)(7)	Annual average carbon content of the gaseous feedstock	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
G - Ammonia Manufacturing	98.76(b)(7)	Annual average carbon content of the liquid feedstock	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
G - Ammonia Manufacturing	98.76(b)(7)	Annual average carbon content of the solid feedstock	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
G - Ammonia Manufacturing	98.76(b)(12)	Annual urea production	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(b)(12)	Method used to determine urea production	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(b)(13)	Annual CO <sub>2</sub> 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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
G - Ammonia Manufacturing	98.76(b)(13)	Method used to determine the CO <sub>2</sub> consumed in urea production.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
G - Ammonia Manufacturing	98.76(b)(14)	Annual ammonia production (metric tons, sum of all process units reported within subpart G).	CBI	79 FR 63750, October 24, 2014
G - Ammonia Manufacturing	98.76(b)(15)	Annual quantity of methanol intentionally produced as a desired product (metric tons) for each process unit.	CBI	79 FR 63750, October 24, 2014; 81 FR 89188, December 9, 2016
H - Cement Production	98.86(a)	If CEMS is used to measure CO <sub>2</sub> emissions, report relevant information required under §98.36(e)(2)(vi)	See entries for Subpart C in this table	

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
H - Cement Production	98.86(a)(1)	Monthly clinker production from each kiln at the facility (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
H - Cement Production	98.86(a)(2)	Annual facility cement production (CEMS)	CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
H - Cement Production	98.86(a)(3)	Number of cement kilns (CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
H - Cement Production	98.86(a)(3)	Number of operating kilns (CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
H - Cement Production	98.86(b)(1)	Kiln identification number (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
H - Cement Production	98.86(b)(3)	Annual cement production at the facility (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
H - Cement Production	98.86(b)(4)	Number of cement kilns (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
H - Cement Production	98.86(b)(4)	Number of operating kilns (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
H - Cement Production	98.86(b)(11)	Quarterly kiln-specific CKD CO <sub>2</sub> emission factors for each kiln	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
H - Cement Production	98.86(b)(13)	Name of each raw kiln feed or raw material	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
H - Cement Production	98.86(b)(15)	Method used to determine the monthly clinker production from each kiln	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
H - Cement Production	98.86(b)(16)	Annual clinker production (metric tons).	CBI	79 FR 63750, October 24, 2014
H - Cement Production	98.86(b)(17)	Annual average clinker CO <sub>2</sub> emission factor for the facility, averaged across all kilns (metric tons CO <sub>2</sub> /metric ton clinker produced).	CBI	79 FR 63750, October 24, 2014
H - Cement Production	98.86(b)(18)	Annual average CKD CO <sub>2</sub> emission factor for the facility, averaged across all kilns (metric tons CO <sub>2</sub> /metric ton CKD produced).	CBI	79 FR 63750, October 24, 2014
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.	CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; 81 FR 89188, December 9, 2016; CBI and Inputs Memo, September
I - Electronics Manufacturing	98.96(b)	For facilities that manufacture semiconductors, the diameter of wafers manufactured at each fab at your facility (mm).	Not CBI	77 FR 48072, August 13, 2012; 77 FR 63572, October 16, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013
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.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 77 FR 63572, October 16, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(c)(2)	Annual emissions on a fab basis: When you use the procedures specified in §98.93(a), each fluorinated GHG emitted from each process type or process subtype as calculated in Equations I-8 and I-9, as applicable.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 77 FR 63572, October 16, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(c)(3)	Annual emissions on a fab basis: N <sub>2</sub> O emitted from all chemical vapor deposition processes and N <sub>2</sub> O emitted from the aggregate of other N <sub>2</sub> O using manufacturing processes as calculated in Equation I-10.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 77 FR 63572, October 16, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 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.	Emission Data	77 FR 48072, August 13, 2012; 77 FR 63572, October 16, 2012; CBI Memo, August 1, 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.	Emission Data	77 FR 63572, October 16, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(d)	The method of emissions calculation used in §98.93 for each fab.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
I - Electronics Manufacturing	98.96(e)	Annual production in terms of substrate surface area for each fab, including specification of the substrate.	CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012
I - Electronics Manufacturing	98.96(m)(1)	For the fab-specific apportioning model used to apportion fluorinated GHG and N <sub>2</sub> O 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	No Determination	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(m)(1)	For the fab-specific apportioning model used to apportion fluorinated GHG and N <sub>2</sub> O consumption under §98.94(c) report: Indicate whether direct measurements were used in addition to, or instead of, a quantifiable metric.	No Determination	77 FR 48072, August 13, 2012; 78 FR 68162; November 13, 2013
I - Electronics Manufacturing	98.96(m)(2)	For the fab-specific apportioning model used to apportion fluorinated GHG and N <sub>2</sub> O consumption under §98.94(c) report: Start and end dates selected under §98.94(c)(2)(i).	Not CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013
I - Electronics Manufacturing	98.96(m)(3)	For the fab-specific apportioning model used to apportion fluorinated GHG and N <sub>2</sub> O 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; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(m)(4)	For the fab-specific apportioning model used to apportion fluorinated GHG and N <sub>2</sub> O consumption under §98.94(c) report: The result of the calculation comparing the actual and modeled gas consumption under §98.94(c)(2)(iii) and (iv), as applicable.	Not CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(m)(5)	For the fab-specific apportioning model used to apportion fluorinated GHG and N <sub>2</sub> O 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.	Not CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(p)	Inventory of all abatement systems through which fluorinated GHGs or N <sub>2</sub> O flow at your facility and for which you are claiming destruction or removal efficiency.	CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(p)	Description of all abatement systems through which fluorinated GHGs or N <sub>2</sub> O flow at your facility and for which you are claiming destruction or removal efficiency.	Not CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
I - Electronics Manufacturing	98.96(p)(1)	Abatement systems through which fluorinated GHGs or N <sub>2</sub> O 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.	CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(p)(2)	Abatement systems through which fluorinated GHGs or N <sub>2</sub> O 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.	Not CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(q)(1)	For all abatement systems through which fluorinated GHGs or N <sub>2</sub> O 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 site maintenance plan for abatement systems that is developed and maintained in your records as specified in §98.97(d).	Not CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012; 78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(q)(2)	If you use default destruction or removal efficiency values in your emissions calculations under §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.	Not CBI	78 FR 68162, November 13, 2013; 81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
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 N <sub>2</sub> O abatement, as applicable. You must support this certification by providing abatement system supplier documentation stating that the system was designed for fluorinated GHG and N <sub>2</sub> O abatement, as applicable.	Not CBI	78 FR 68162, November 13, 2013; 81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
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 <u>accounted for all abatement systems and any respective downtime in your emissions calculations</u> under §98.93(i)(3).	Not CBI	78 FR 68162, November 13, 2013; 81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
I - Electronics Manufacturing	98.96(r)	An effective fab-wide destruction or removal efficiency value for each fab at your facility calculated using Equation I-26, I-27, and I-28 of this subpart, as appropriate	Not CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(s)	Where missing data procedures were used to estimate inputs into the fluorinated heat transfer fluid mass balance equation under §98.95(b), the number of times missing data procedures were followed in the reporting year.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012;

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
I - Electronics Manufacturing	98.96(s)	Where missing data procedures were used to estimate inputs into the fluorinated heat transfer fluid mass balance equation under §98.95(b), the method used to estimate the missing data.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012;
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), the date of any stack testing conducted during the reporting year.	Not CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 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), the identity of the stack system tested.	Emission Data	78 FR 68162, November 13, 2013; CBI Memo, September 18, 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.	Emission Data	78 FR 68162, November 13, 2013; CBI Memo, September 18, 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).	Emission Data	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
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.	Emission Data	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(y)(2)(i)	If your semiconductor manufacturing facility emits more than 40,000 mtCO <sub>2</sub> e of GHG emissions based on your most recently submitted annual report (beginning with the 2015 reporting year) from the electronics manufacturing processes subject to reporting, submit 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 destruction or removal efficiency (DRE) factors of this subpart may need to be updated.	CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
I - Electronics Manufacturing	98.96(y)(2)(ii)	If your semiconductor manufacturing facility emits more than 40,000 mtCO <sub>2</sub> e of GHG emissions based on your most recently submitted annual report (beginning with the 2015 reporting year) from the electronics manufacturing processes subject to reporting, submit 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.	CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(y)(2)(iii)	If your semiconductor manufacturing facility emits more than 40,000 mtCO <sub>2</sub> e of GHG emissions based on your most recently submitted annual report (beginning with the 2015 reporting year) from the electronics manufacturing processes subject to reporting, submit 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.	CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(y)(2)(iv)	If your semiconductor manufacturing facility emits more than 40,000 mtCO <sub>2</sub> e of GHG emissions based on your most recently submitted annual report (beginning with the 2015 reporting year) from the electronics manufacturing processes subject to reporting, submit 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.	Emission Data	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
I - Electronics Manufacturing	98.96(y)(2)(iv)	For the triennial technology assessment report required under §98.96(y): for any utilization, by-product formation rate, and/or destruction or removal efficiency data submitted, the report must include: the methods used for the measurements.	Emission Data	81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
I - Electronics Manufacturing	98.96(y)(2)(iv)	For the triennial technology assessment report required under §98.96(y): for any utilization or by-product formation rate data submitted, the report must include: the wafer size.	Not CBI	81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
I - Electronics Manufacturing	98.96(y)(2)(iv)	For the triennial technology assessment report required under §98.96(y): for any utilization or by-product formation rate data submitted, the report must include: the process type and the process subtype for chamber clean processes.	Emission Data	81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
I - Electronics Manufacturing	98.96(y)(2)(iv)	For the triennial technology assessment report required under §98.96(y): for any destruction or removal efficiency data submitted, the report must describe: the process type.	Emission Data	81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
I - Electronics Manufacturing	98.96(y)(2)(iv)	For the triennial technology assessment report required under §98.96(y); for any utilization, by-product formation rate, and/or destruction or removal efficiency data submitted, the report must include: the input gases used and measured.	Emission Data	81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
I - Electronics Manufacturing	98.96(y)(2)(v)	If your semiconductor manufacturing facility emits more than 40,000 mtCO <sub>2</sub> e of GHG emissions based on your most recently submitted annual report (beginning with the 2015 reporting year) from the electronics manufacturing processes subject to reporting, submit 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.	CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
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 or I-4, or the default DRE values in Table I-16, 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.	CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013; 78 FR 71904, November 29, 2013
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 or I-4, or the default DRE values in Table I-16, the report must lay out a data gathering and analysis plan that includes: a planned analysis of 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).	CBI	78 FR 68162, November 13, 2013; CBI Memo, September 18, 2013
K- Ferroalloy Production	98.116(a)	Annual ferroalloy product production capacity	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
K- Ferroalloy Production	98.116(d)	If CEMS is used to measure CO <sub>2</sub> emissions, report the relevant Tier 4 Calculation Methodology reporting requirements specified under §98.36	See entries for Subpart C in this table	
K- Ferroalloy Production	98.116(d)(1)	Annual process CO <sub>2</sub> emissions from each EAF used for the production of any ferroalloy product identified in §98.110	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
K- Ferroalloy Production	98.116(d)(2)	Annual process CH <sub>4</sub> 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
K- Ferroalloy Production	98.116(d)(3)	Identification number of each EAF (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
K- Ferroalloy Production	98.116(e)(1)	Annual process CO <sub>2</sub> 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; CBI Memo, April 29, 2011
K- Ferroalloy Production	98.116(e)(2)	Annual process CH <sub>4</sub> emissions from each EAF used for the production of any ferroalloy (No CEMS) listed in Table K-1 (metric tons).	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
K- Ferroalloy Production	98.116(e)(3)	Identification number for each material (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
K- Ferroalloy Production	98.116(e)(6)	Method used for the determination of carbon content for each material included for the calculation of annual process CO <sub>2</sub> emissions from each EAF (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
L - Fluorinated Gas Production	98.126(a)(2)(i)	Generically-identified process. For each production and transformation process at the facility, you must: Provide a number, letter, or other identifier for the process. This identifier must be consistent from year to year.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(a)(2)(ii)	Generically-identified process. For each production and transformation process at the facility, you must: Indicate whether the process is a fluorinated gas production process, a fluorinated gas transformation process where no fluorinated GHG reactant is produced at another facility, or a fluorinated gas transformation process where one or more fluorinated GHG reactants are produced at another facility.	Not CBI	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(a)(2)(iii)	Generically-identified process. For each production and transformation process at the facility, you must: Indicate whether the process could be characterized as reaction, distillation, or packaging (include all that apply).	Not CBI	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(a)(2)(iv)	Generically-identified process. For each production and transformation process at the facility, you must: For each generically-identified process and each fluorinated GHG group, report the method(s) used to determine the mass emissions of that fluorinated GHG group from that process from vents (i.e., mass balance (for reporting years 2011, 2012, 2013, and 2014 only), process-vent-specific emission factor, or process-vent-specific emission calculation factor).	Emission Data	79 FR 73750, December 11, 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
L - Fluorinated Gas Production	98.126(a)(2)(v)	Generically-identified process. For each production and transformation process at the facility, you must: For each generically-identified process and each fluorinated GHG group, report the method(s) used to determine the mass emissions of that fluorinated GHG group from that process from equipment leaks, unless you used the mass balance method (for reporting years 2011, 2012, 2013, and 2014 only) for that process.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(a)(3)	<i>Emissions from production and transformation processes, process level, multiple products.</i> If your facility produces more than one fluorinated gas product, for each generically-identified process and each fluorinated GHG group, you must report the total GWP-weighted emissions of all fluorinated GHGs in that group from the process, in metric tons CO <sub>2</sub> e.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(a)(4)(i)	Emissions from production and transformation processes, facility level, multiple products: For each fluorinated GHG with emissions of 1,000 metric tons of CO <sub>2</sub> e or more from production and transformation processes, summed across the facility as a whole, you must report the total mass in metric tons of the fluorinated GHG emitted from production and transformation processes, summed across the facility as a whole. If the fluorinated GHG does not have a chemical-specific GWP in Table A-1 of subpart A, identify the fluorinated GHG group of which that fluorinated GHG is a member.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(a)(4)(ii)	Emissions from production and transformation processes, facility level, multiple products: For all other fluorinated GHGs emitted from production and transformation processes, you must report the total GWP-weighted emissions from production and transformation processes of those fluorinated GHGs by fluorinated GHG group, summed across the facility as a whole, in metric tons of CO <sub>2</sub> e.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(a)(5)	Emissions from production and transformation processes, facility level, one product only: If your facility produces only one fluorinated gas product, aggregate and report the total GWP-weighted emissions from production and transformation processes of F-GHGs by F-GHG group for the facility as a whole, in metric tons of CO <sub>2</sub> e, except where emissions consist of a major F-GHG constituent of a fluorinated gas product and the product is sold or transferred to another person, report the total mass in metric tons of each F-GHG that is emitted from production and transformation processes and that is a major F-GHG constituent of the product. If the F-GHG does not have a chemical-specific GWP in Table A-1 of subpart A, identify the F-GHG group of which that F-GHG is a member.	Emission Data	79 FR 73750, December 11, 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
L - Fluorinated Gas Production	98.126(a)(6)	Effective destruction efficiency: For each generically-identified process, use Table L-1 of this subpart to report the range that encompasses the effective destruction efficiency ( $De_{\text{effective}}$ ) calculated for that process using Equation L-35 of this subpart. The effective destruction efficiency must be reported on a CO <sub>2</sub> e basis.	Not CBI	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(c)(3)	Reporting for emission factor and emission calculation factor approach: For each F-GHG group, the total GWP-weighted mass of all F-GHGs in that group emitted from all process vents combined, in metric tons CO <sub>2</sub> e.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(c)(4)	Reporting for emission factor and emission calculation factor approach: For each F-GHG group, the total GWP-weighted mass of all F-GHGs in that group emitted from equipment leaks, in metric tons CO <sub>2</sub> e.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(d)(1)	Where missing data have been estimated pursuant to §98.125: Generic identification of the process for which data is missing.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(d)(2)	Where missing data have been estimated pursuant to §98.125: Reason the data were missing.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(d)(2)	Where missing data have been estimated pursuant to §98.125: Length of time the data were missing.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(d)(2)	Where missing data have been estimated pursuant to §98.125: Method used to estimate the missing data.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(d)(3)	Where missing data have been estimated pursuant to §98.125: Estimate of the missing data.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(e)	Reporting of destruction device excess emissions data: Each fluorinated gas production facility that destroys fluorinated GHGs must report the excess emissions that result from malfunctions of the destruction device.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(f)(2)	Reporting of destruction device testing: For each fluorinated gas production facility that destroys fluorinated GHGs, chemical identity of the F-GHG(s) used in the performance test conducted to determine destruction efficiency, including surrogates.	No Determination	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(f)(2)	Reporting of destruction device testing: For each fluorinated gas production facility that destroys fluorinated GHGs, information on why the surrogate is sufficient to demonstrate destruction efficiency for each F-GHG, consistent with requirements in §98.124(g)(1), vented to the destruction device.	No Determination	79 FR 73750, December 11, 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
L - Fluorinated Gas Production	98.126(f)(3)	Reporting of destruction device testing: For each fluorinated gas production facility that destroys fluorinated GHGs, date of the most recent destruction device test.	Not CBI	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(f)(4)	Reporting of destruction device testing: For each fluorinated gas production facility that destroys fluorinated GHGs, name of all applicable Federal or State regulations that may apply to the destruction process.	Not CBI	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(g)(2)	Reporting for destruction of previously produced F-GHGs: Mass of each F-GHG emitted from the destruction device.	Emission Data	79 FR 73750, December 11, 2014
L - Fluorinated Gas Production	98.126(h)(1)	Each fluorinated gas production facility that vents residual fluorinated GHGs from containers: Mass of the residual fluorinated GHG vented from containers annually.	Emission Data	79 FR 73750, December 11, 2014
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	79 FR 73750, December 11, 2014
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	79 FR 73750, December 11, 2014
N - Glass Production	98.146(a)	If CEMS is used to measure CO <sub>2</sub> emissions, report the relevant information required under Tier 4 Calculation Methodology reporting requirements specified under §98.36 (CEMS)	See entries for Subpart C in this table	
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
N - Glass Production	98.146(b)(1)	Annual process emissions of CO <sub>2</sub> (metric tons) for each continuous glass melting furnace (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
N - Glass Production	98.146(b)(1)	Annual process emissions of CO <sub>2</sub> (metric tons) for all furnaces combined (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
N - Glass Production	98.146(b)(2)	Annual quantity of carbonate based-raw material charged to all furnaces combined (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
N - Glass Production	98.146(b)(7)	Method used to determine the decimal fraction of calcination (if default value of 1.0 was not used). (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(1)	For each HCFC-22 production process, annual mass of HCFC-22 produced, in metric tons	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(3)	For each HCFC-22 production process, annual mass of reactants fed into the process, in metric tons of reactant	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(4)	For each HCFC-22 production process, mass (in metric tons) of materials other than HCFC-22 and HFC-23 (i.e., unreacted reactants, HCl and other by-products) that occur in more than trace concentrations and that are permanently removed from the process.	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	For each HCFC-22 production process, the method for tracking startups, shutdowns, and malfunctions	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	For each HCFC-22 production process, HFC-23 generation/emissions during startups	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	For each HCFC-22 production process, HFC-23 generation/emissions during shutdowns	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	For each HCFC-22 production process, HFC-23 generation/emissions during malfunctions	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	For each HCFC-22 production process, names of facilities to which any HFC-23 was sent for destruction	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	For each HCFC-22 production process, addresses of facilities to which any HFC-23 was sent for destruction	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	For each HCFC-22 production process, quantities of HFC-23 sent for destruction to other facilities by facility name and address (metric tons)	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(11)	For each HCFC-22 production process, annual mass of HFC-23 emitted (metric tons)	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(12)	For each HCFC-22 production process, annual mass of HFC-23 emitted from equipment leaks (metric tons)	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(13)	For each HCFC-22 production process, annual mass of HFC-23 emitted from process vents (metric tons)	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
O- HCFC22 Production and HFC-23 Destruction	98.156(b)(3)	For each HFC-23 destruction process, annual mass of HFC-23 emitted from the destruction device	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
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), method used to calculate revised destruction efficiency, specifying whether §98.154(l)(1) or (2) was used for the calculation.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
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 30782, May 26, 2011; CBI Memo, April 29, 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 30782, May 26, 2011; CBI Memo, April 29, 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 30782, May 26, 2011; CBI Memo, April 29, 2011
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(5)	Changes to one time report (includes data elements 98.156(e)(2) through (e)(4)).	See entries in §98.156(e)(2) through (e)(4) in this table	
P - Hydrogen Production	98.166(a)(1)	If a CEMS is used to measure CO <sub>2</sub> 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	
P - Hydrogen Production	98.166(a)(1)	Unit identification number (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(a)(1)	Annual CO <sub>2</sub> emissions (CEMS) (where all CO <sub>2</sub> generated is emitted to the atmosphere)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(a)(1)	Annual CO <sub>2</sub> emissions (CEMS) (where all or a portion of CO <sub>2</sub> generated is collected for use onsite or shipment offsite)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(a)(3)	Annual quantity of ammonia produced for each process unit. (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(b)(1)	Unit identification number (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
P - Hydrogen Production	98.166(b)(1)	Annual CO <sub>2</sub> emissions (No CEMS) (where all CO <sub>2</sub> is emitted to the atmosphere)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(b)(1)	Annual CO <sub>2</sub> emissions (No CEMS) (where all or a portion of CO <sub>2</sub> generated is collected for use onsite or shipment offsite)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(b)(3)	Annual quantity of hydrogen produced (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(b)(4)	Annual quantity of ammonia produced (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(b)(7)	Name and annual quantity (metric tons) of each carbon-containing fuel and feedstock.	CBI	79 FR 63750, October 24, 2014
P - Hydrogen Production	98.166(c)	Quantity of CO <sub>2</sub> 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	
P - Hydrogen Production	98.166(d)	Annual quantity of carbon other than CO <sub>2</sub> collected and transferred off site	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
P - Hydrogen Production	98.166(e)	Annual methanol production (metric tons) for each process unit.	CBI	79 FR 63750, October 24, 2014
Q - Iron and Steel Production	98.176(a)	Unit identification number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Q - Iron and Steel Production	98.176(a)	Annual CO <sub>2</sub> emissions (in metric tons)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Q - Iron and Steel Production	98.176(b)	Annual production quantity for the production unit for taconite pellets, coke, sinter, iron, and raw steel (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Q - Iron and Steel Production	98.176(c)	If CEMS are used to measure CO <sub>2</sub> emissions, Tier 4 Calculation Methodology reporting requirements specified under §98.36	See entries for Subpart C in this table	
Q - Iron and Steel Production	98.176(d)	If CEMS is not used to measure CO <sub>2</sub> emissions, report for each process whether the emissions were determined using the carbon mass balance or the site-specific emission factor method	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Q - Iron and Steel Production	98.176(e)(2)	If carbon mass balance was used to determine CO <sub>2</sub> emissions, whether the carbon content was determined from information from the supplier or by laboratory analysis (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(2)	If carbon mass balance was used to determine CO <sub>2</sub> emissions and carbon content was determined by lab analysis, method used to determine carbon content (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
Q - Iron and Steel Production	98.176(e)(5)	If carbon mass balance was used to determine CO <sub>2</sub> emissions and missing data procedures were used, how the monthly mass for each process input or output with missing data was determined (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Q - Iron and Steel Production	98.176(e)(5)	If carbon mass balance was used to determine CO <sub>2</sub> emissions and missing data procedures were used, number of months the missing data procedures were used (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Q - Iron and Steel Production	98.176(e)(6)(i)	If the carbon mass balance method was used to determine CO <sub>2</sub> emissions: The annual mass (metric tons) of all gaseous, liquid, and solid fuels (combined) used in process units for which CO <sub>2</sub> emissions were determined using Equations Q-1 through Q-7, calculated as specified in Equation Q-9, except if a specific process input or output is documented to contribute less than one percent of the total mass of carbon into or out of the process.	CBI	79 FR 63750, October 24, 2014
Q - Iron and Steel Production	98.176(e)(6)(ii)	If the carbon mass balance method was used to determine CO <sub>2</sub> emissions: The annual mass (metric tons) of all non-fuel material inputs (combined) specified in Equations Q-1 through Q-7, calculated as specified in Equation Q-10.	CBI	79 FR 63750, October 24, 2014
Q - Iron and Steel Production	98.176(e)(6)(iii)	If the carbon mass balance method was used to determine CO <sub>2</sub> emissions: The annual mass (metric tons) of all solid and liquid products and byproducts (combined) specified in Equations Q-1 through Q-7, calculated as specified in Equation Q-11.	CBI	79 FR 63750, October 24, 2014
Q - Iron and Steel Production	98.176(e)(6)(iv)	If the carbon mass balance method was used to determine CO <sub>2</sub> emissions: The weighted average carbon content of all gaseous, liquid, and solid fuels (combined) included in Equation Q-9, calculated as specified in Equation Q-12.	CBI	79 FR 63750, October 24, 2014
Q - Iron and Steel Production	98.176(e)(6)(v)	If the carbon mass balance method was used to determine CO <sub>2</sub> emissions: The weighted average carbon content of all non-fuel inputs to all process units (combined) included in Equation Q-10, calculated as specified in Equation Q-13.	CBI	79 FR 63750, October 24, 2014
Q - Iron and Steel Production	98.176(e)(6)(vi)	If the carbon mass balance method was used to determine CO <sub>2</sub> emissions: The weighted average carbon content of all solid and liquid products and byproducts from all process units (combined) included in Equation Q-11, calculated as specified in Equation Q-14.	CBI	79 FR 63750, October 24, 2014
Q - Iron and Steel Production	98.176(f)(1)	If the site-specific emission factor method was used to determine CO <sub>2</sub> emissions: measured average hourly CO <sub>2</sub> emission rate during the test (No CEMS) (in metric tons per hour)	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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	
R - Lead Production	98.186(a)	If CEMS are used to measure CO <sub>2</sub> emissions, report the relevant information required under §98.36 (CEMS)	See entries for Subpart C in this table	

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
R - Lead Production	98.186(a)(1)	Identification number of each smelting furnace (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
R - Lead Production	98.186(a)(2)	Annual lead product production capacity (CEMS)	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
R - Lead Production	98.186(a)(3)	Annual production for each product (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
R - Lead Production	98.186(b)(1)	Identification number of each smelting furnace (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
R - Lead Production	98.186(b)(2)	Annual process CO <sub>2</sub> emissions from each smelting furnace (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
R - Lead Production	98.186(b)(4)	Annual production for each lead product (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
R - Lead Production	98.186(b)(8)	Method used to determine the carbon content for each material (No CEMS) used for the calculation of annual process CO <sub>2</sub> emissions using Equation R-1 for each smelting furnace.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
R - Lead Production	98.186(b)(9)	How the monthly mass of carbon-containing materials with missing data was determined (on CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
R - Lead Production	98.186(b)(9)	Number of months the missing data procedures were used (no CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(a)	If CEMS are used to measure CO <sub>2</sub> emissions, report the relevant information required under §98.36 (CEMS)	See entries for Subpart C in this table	
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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
S - Lime Manufacturing	98.196(a)(5)	Annual amount of calcined lime byproduct or waste sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(a)(6)	Annual amount of lime product sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(a)(7)	Annual amount of lime byproduct or waste not sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(a)(8)	Annual amount of lime product not sold, by type (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(b)(1)	Annual CO <sub>2</sub> process emissions from all lime kilns combined (No CEMS) (where all CO <sub>2</sub> generated is emitted to the atmosphere)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(a) & (b)(1)	Annual CO <sub>2</sub> process emissions from all kilns combined (no CEMS) (where all or a portion of the CO <sub>2</sub> generated is collected for onsite use or shipment offsite)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(b)(9)	Method used to determine the quantity of calcined lime byproduct or waste sold (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(b)(15)	Annual lime production capacity (tons) per facility	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(b)(17)	Indicate whether CO <sub>2</sub> was used on-site	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(b)(17)(i)	If CO <sub>2</sub> was used on-site, annual amount of CO <sub>2</sub> captured for use in the on-site process	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
S - Lime Manufacturing	98.196(b)(17)(ii)	Method used to determine the amount of CO <sub>2</sub> captured	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
S - Lime Manufacturing	98.196(b)(18)	Annual quantity (tons) of lime product sold, by type.	CBI	79 FR 63750, October 24, 2014
S - Lime Manufacturing	98.196(b)(19)	Annual average emission factors for each lime product type produced	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
S - Lime Manufacturing	98.196(b)(20)	Annual average emission factors for each calcined byproduct or waste by lime type that is sold	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
S - Lime Manufacturing	98.196(b)(21)	Annual average results of chemical composition analysis of each type of lime product produced and calcined product or waste sold	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
T - Magnesium Production	98.206(a)	Emissions of each cover or carrier gas in metric tons	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
T - Magnesium Production	98.206(d)	Cover gas flow rate for each production unit	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
T - Magnesium Production	98.206(d)	Cover gas composition (in % by volume) for each production unit	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
T - Magnesium Production	98.206(d)	Carrier gas flow rate for each production unit	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
T - Magnesium Production	98.206(d)	Carrier gas composition (in % by volume) for each production unit	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
T - Magnesium Production	98.206(e)	Method used to estimate emissions when data is missing	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
T - Magnesium Production	98.206(e)	Estimated GHG emissions during periods when data is missing	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
U - Miscellaneous Uses of Carbonate	98.216(a)	Annual CO <sub>2</sub> emissions from miscellaneous carbonate use	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
U - Miscellaneous Uses of Carbonate	98.216(d)	Method used to calculate emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
U - Miscellaneous Uses of Carbonate	98.216(e)(3)	Standard method used to determine the calcination fraction	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.223(a)(2)(ii)	You must notify the EPA of your use of a previously approved alternative method in your annual report	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
V - Nitric Acid Production	98.226(a)	Nitric Acid train identification number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011;
V - Nitric Acid Production	98.226(b)	Annual process N <sub>2</sub> O emissions from nitric acid train (metric tons)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(e)	Annual nitric acid production from the nitric acid facility	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(f)	Number of nitric acid trains	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(g)	Number of different N <sub>2</sub> O abatement technologies per nitric acid train "t"	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(h)	Abatement technologies used, if applicable	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(h)	Date of installation of abatement technology	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
V - Nitric Acid Production	98.226(m)(2)	If you conducted a performance test and calculated a site specific emissions factor according to §98.223(a)(1), report test method used for performance test.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(m)(7)	If you conducted a performance test and calculated a site specific emissions factor according to §98.223(a)(1), report number of times in the reporting year that a performance test had to be repeated.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(n)(1)	If you requested Administrator approval for an alternative method of determining N <sub>2</sub> O emissions under §98.223(a)(2), report name of alternative method.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(n)(2)	If you requested Administrator approval for an alternative method of determining N <sub>2</sub> O emissions under §98.223(a)(2), report description of alternative method.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(n)(3)	If you requested Administrator approval for an alternative method of determining N <sub>2</sub> O emissions under §98.223(a)(2), report request date	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(n)(4)	If you requested Administrator approval for an alternative method of determining N <sub>2</sub> O emissions under §98.223(a)(2), report approval date	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
V - Nitric Acid Production	98.226(q)	Annual percent N <sub>2</sub> O emission reduction for all nitric acid trains combined.	No Determination	79 FR 63750, October 24, 2014
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; CBI Memo, April 29, 2011
X- Petrochemical Production	98.246(a)(2)	Type of petrochemical produced (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
X- Petrochemical Production	98.246(a)(2)	Names of products (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
X- Petrochemical Production	98.246(a)(2)	Names of carbon-containing feedstocks (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
X- Petrochemical Production	98.246(a)(3)	Annual CO <sub>2</sub> emissions calculated using Equation X-4. (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
X- Petrochemical Production	98.246(a)(5)	Annual quantity of each type of petrochemical produced from each process unit (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
X- Petrochemical Production	98.246(a)(5)	If you elect to consider the petrochemical process unit to be the entire integrated ethylene dichloride/vinyl chloride monomer process: for each process unit: Amount of intermediate ethylene dichloride produced (metric tons) (measured quantity or estimate based on process knowledge and best available data).	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
X- Petrochemical Production	98.246(a)(6)(i)	For each feedstock and product, report name of each method used to determine carbon content in accordance with §98.244(b)(4). (No CEMS)	Not CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
X- Petrochemical Production	98.246(a)(6)(i)	For each feedstock and product, report name of each method used to determine molecular weight in accordance with §98.244(b)(4). (No CEMS)	Not CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
X- Petrochemical Production	98.246(a)(6)(ii)	For each feedstock and product, report description of each type of measurement device (e.g., flow meter, weighing device) used to determine volume or mass in accordance §98.244(b)(1) through (3). (No CEMS)	Not CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
X- Petrochemical Production	98.246(a)(6)(iii)	For each feedstock and product, Identification of each method (i.e., method number, title, or other description) used to determine volume or mass in accordance with §98.244(b)(1) through (3). (No CEMS)	Not CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 30, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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 analytical method used (include in each annual report). (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
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 the methods 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; CBI Memo, April 29, 2011
X-Petrochemical Production	98.246(a)(12)	Name and annual quantity (in metric tons) of each carbon-containing feedstock included in Equations X-1, X-2, and X-3 of §98.243 of this subpart (No CEMS).	CBI	79 FR 63750, October 24, 2014
X-Petrochemical Production	98.246(a)(13)	Name and annual quantity (in metric tons) of each product included in Equations X-1, X-2, and X-3 of subpart X (No CEMS).	CBI	79 FR 63750, October 24, 2014
X-Petrochemical Production	98.246(a)(14)	For each process unit, annual average of the measurements or determinations of the carbon content of each feedstock and product conducted according to §98.243(c)(3) or (c)(4) (in kg C per kg of feedstock or product; alternatively kg C per gallon of feedstock or product for liquid feedstocks and products)	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
X-Petrochemical Production	98.246(a)(15)	For each process unit, for each gaseous feedstock and product, the annual average of the measurements or determinations of the molecular weight in units of kg per kg mole, conducted according to §98.243(c)(3) or (c)(4)	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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	
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	
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)	See entries for Subpart C in this table	

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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)(9)(i) and (b)(9)(ii). (CEMS)	See entries for Subpart C in this table	
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 <sub>2</sub> emissions that results from CO <sub>2</sub> directly emitted by the petrochemical process unit plus CO <sub>2</sub> generated by the combustion of off-gas from the petrochemical process unit. (CEMS)	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 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 <sub>4</sub> and N <sub>2</sub> O emissions expressed in metric tons of each gas. (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 30, 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 <sub>4</sub> and N <sub>2</sub> O emissions that is attributable to combustion of off-gas from the petrochemical process unit. (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 30, 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	
X-Petrochemical Production	98.246(b)(8)	Annual quantity of each type of petrochemical produced from each process unit (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
X-Petrochemical Production	98.246(b)(8)	If you elect to consider the petrochemical process unit to be the entire integrated ethylene dichloride/vinyl chloride monomer process: for each process unit: Amount of intermediate ethylene dichloride produced (metric tons) (measured quantity or estimate based on process knowledge and best available data).	CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
X-Petrochemical Production	98.246(b)(9)	Name and annual quantity (in metric tons) of each carbon-containing feedstock. (CEMS)	CBI	79 FR 63750, October 24, 2014
X-Petrochemical Production	98.246(b)(10)	Name and annual quantity (in metric tons) of each product (CEMS).	CBI	79 FR 63750, October 24, 2014
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 or other appropriate indicator	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 group of stationary sources with a common pipe), except flares, report the relevant information listed in §98.36 for the applicable Tier methodology.	See entries for Subpart C in this table	

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
X- Petrochemical Production	98.246(c)(2)	If you comply with the combustion methodology specified in §98.243(d): for each stationary combustion unit or group of units (as applicable) that burns ethylene process off-gas, estimate based on engineering judgement 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; CBI Memo, April 29, 2011
X- Petrochemical Production	98.246(c)(3)	If you comply with the combustion methodology specified in §98.243(d): 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	
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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 annual quantity of ethylene produced from each process unit.	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(a)	For combustion sources, data reporting requirements under Subpart C	See entries for Subpart C in this table	
Y - Petroleum Refineries	98.256(b)	For hydrogen plants, data reporting requirements under Subpart P	See entries for Subpart P in this table	
Y - Petroleum Refineries	98.256(e)(1)	For flares report, flare ID number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(2)	For flares report, description of the type of flare	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(3)	For flares report, description of the flare service	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(4)	For flares report, calculated CO <sub>2</sub> annual emissions for each flare	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(4)	For flares report, calculated CH <sub>4</sub> annual emissions for each flare	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(4)	For flares report, calculated N <sub>2</sub> O annual emissions for each flare	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(5)	For flares report, description of the method used to calculate the CO <sub>2</sub> emissions from each flare	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(6)	For flares, if using Equation Y-1a: indicate whether daily or weekly measurement periods are used	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(6)	For flares, if using Equation Y-1a, report either the annual volume of flare gas combusted (in scf/year) and the annual average molecular weight (in kg/ kg-mole), or the annual mass of flare gas combusted (in kg/year)	Not CBI	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(e)(6)	For flares, if using Equation Y-1a: report the annual average Carbon content of the flare gas	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(7)	For flares, if using Equation Y-1b: indicate whether daily or weekly measurement periods are used	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(7)	For flares, if using Equation Y-1b: report annual volume of flare gas combusted for each flare.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(7)	For flares, if using Equation Y-1b: report annual average CO <sub>2</sub> concentration for each flare	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(7)	For flares, if using Equation Y-1b: report the number of carbon containing compounds other than CO <sub>2</sub> in each flare gas stream	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(7)(i)	For flares, if using Equation Y-1b: report the annual average concentration of carbon containing compound other than CO <sub>2</sub> in the flare gas stream for each flare.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(8)	For flares, if using Equation Y-2: indicate whether daily or weekly measurement periods are used	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(8)	For flares, if using Equation Y-2: report annual volume of flare gas combusted	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(8)	For flares, if using Equation Y-2: report annual average higher heating value of the flare gas	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(8)	For flares, if using Equation Y-2: 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 °F and 14.7 psia or 60 °F and 14.7 psia	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(9)	For flares, if using Equation Y-3: Number of SSM events exceeding 500,000 scf/day	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(e)(10)	For flares, basis for the value of the fraction of carbon in the flare gas contributed by methane (used in Equation Y-4)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(1)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: unit ID number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(2)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: description of the type of unit	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(3)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: maximum rated throughput of the unit	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(4)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: calculated CO <sub>2</sub> annual emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(4)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: calculated CH <sub>4</sub> annual emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(4)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: calculated N <sub>2</sub> O annual emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(f)(5)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: description of the method used to calculate the CO <sub>2</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(6)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if CEMS are used, the relevant information required under §98.36 for the Tier 4 Calculation Methodology	See entries for Subpart C in this table	
Y - Petroleum Refineries	98.256(f)(6)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if CEMS are used, report the CO <sub>2</sub> annual emissions as measured by the CEMS (unadjusted to remove CO <sub>2</sub> combustion emissions association with additional units (if present)).	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(6)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if CEMS are used, the process CO <sub>2</sub> emissions as calculated according to §98.253(c)(1)(ii).	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(6)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if CEMS are used, report the CO <sub>2</sub> 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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(7)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using equation Y-6, annual average exhaust gas flow rate	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(7)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using equation Y-6, annual average %CO <sub>2</sub>	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(7)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using equation Y-6, annual average %CO	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(8)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7a, report the annual average flow rate of inlet air	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(8)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7a, report the annual average flow rate of oxygen-enriched air	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(8)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7a, report the annual average %O <sub>2</sub>	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(8)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7a, report the annual average %O <sub>oxy</sub>	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(8)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7a, report the annual average %CO <sub>2</sub>	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(f)(8)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7a, report the annual average %CO	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(9)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7b, report the annual average flow rate of inlet air	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(9)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7b, report the annual average flow rate of oxygen-enriched air	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(9)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7b, report annual average %N <sub>2, oxy</sub>	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(9)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-7b is used, report the annual average %N <sub>2, exhaust</sub>	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(10)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-8, basis for the average carbon content of coke	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(11)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for CH <sub>4</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(11)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: basis for the unit-specific CH <sub>4</sub> emission factor	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(12)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for N <sub>2</sub> O emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(12)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: basis for the unit-specific N <sub>2</sub> O emission factor	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(13)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-11, report the number of regeneration cycles or measurement periods during the reporting year	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(f)(13)	For catalytic cracking units, traditional fluid coking units, and catalytic reforming units: if using Equation Y-11, report the average coke burn-off quantity per cycle or measurement period	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(g)(1)	For fluid coking units of the flexicoking type: unit ID number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(g)(2)	For fluid coking units of the flexicoking type: description of the type of unit	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(g)(3)	For fluid coking units of the flexicoking type: maximum rated throughput of the unit.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(g)(4)	For fluid coking units of the flexicoking type: 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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(g)(5)	For fluid coking units of the flexicoking type: if the GHG emissions for the low hear value gas are calculated at the flexicoking unit, report the annual CO <sub>2</sub> emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(g)(5)	For fluid coking units of the flexicoking type: if the GHG emissions for the low hear value gas are calculated at the flexicoking unit, report the annual CH <sub>4</sub> emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(g)(5)	For fluid coking units of the flexicoking type: if the GHG emissions for the low hear value gas are calculated at the flexicoking unit, report the annual N <sub>2</sub> O emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(g)(5)	For fluid coking units of the flexicoking type: if the GHG emissions for the low hear value gas are calculated at the flexicoking unit, report the applicable information required by 98.256(f)(7) through (f)(13)	See entries §98.256(f)(7) through (f)(13) in this table	
Y - Petroleum Refineries	98.256(h)(1)	For on-site sulfur recovery plants and for emissions from sour gas sent off-site for sulfur recovery: plant ID number	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(2)	For each on-site sulfur recovery plant, an indication of the method used to calculate CO <sub>2</sub> annual emissions for the sulfur recovery plant (i.e., CO <sub>2</sub> CEMS, Equation Y-12, or process vent method in §98.253(j))	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(3)	Calculated CO <sub>2</sub> annual emissions for each on-site sulfur recovery plant, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(3)	Calculated annual CO <sub>2</sub> emissions from sour gas sent off-site for sulfur recovery, expressed in metric tons.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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 a correction for CO <sub>2</sub> emissions in the tail gas was used in Equation Y-12	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(h)(5)(i)	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 in Equation Y-12	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(5)(i)	If you recycle tail gas to the front of an on-site sulfur recovery plant and a correction for CO <sub>2</sub> emissions in the tail gas was used in Equation Y-12 that is a unit specific correction, then report: the value of the correction	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
Y - Petroleum Refineries	98.256(h)(5)(i)	If you recycle tail gas to the front of an on-site sulfur recovery plan and a correction for CO <sub>2</sub> emissions in the tail gas was used in Equation Y-12 that is a unit specific correction, then report the approach used.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(5)(ii)(A)	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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(5)(ii)(B)	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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(6)	For on-site sulfur recovery plants and for emissions from sour gas sent off-site for sulfur recovery, if using CEMS, the relevant information required under §98.36 for the Tier 4 Calculation Methodology	See entries for Subpart C in this table	
Y - Petroleum Refineries	98.256(h)(6)	For on-site sulfur recovery plants and for emissions from sour gas sent off-site for sulfur recovery, if using CEMS, report the CO <sub>2</sub> annual emissions as measured by the CEMS	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(6)	For on-site sulfur recovery plants and for emissions from sour gas sent off-site for sulfur recovery, if using CEMS, report the annual process CO <sub>2</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(h)(6)	For on-site sulfur recovery plants and for emissions from sour gas sent off-site for sulfur recovery: report the CO <sub>2</sub> 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	
Y - Petroleum Refineries	98.256(h)(7)	If you use the process vent method in §98.253(j) for a non-Claus sulfur recovery plant: report the relevant information required under paragraph §98.256(l)(5)	See entry for §98.256(l)(5) in this table	
Y - Petroleum Refineries	98.256(i)(1)	For coke calcining units: unit ID number for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(2)	For coke calcining units: maximum rated throughput of each unit	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(3)	For coke calcining units: CO <sub>2</sub> annual emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(3)	For coke calcining units: CH <sub>4</sub> annual emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(i)(3)	For coke calcining units: N <sub>2</sub> O annual emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(4)	For coke calcining units: description of the method used to calculate the CO <sub>2</sub> emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(5)	For coke calcining units, if using Equation Y-13: Indicate whether coke dust is recycled to the unit	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(6)	For coke calcining units, if using CEMS to measure emissions, report the Tier 4 Calculation Methodology reporting requirements specified under §98.36	See entries for Subpart C in this table	
Y - Petroleum Refineries	98.256(i)(6)	For coke calcining units, if using CEMS to measure emissions: CO <sub>2</sub> annual emissions as measured by the CEMS	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(6)	For coke calcining units, if using CEMS to measure emissions: annual process CO <sub>2</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
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 <sub>4</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining, if a unit specific emission factor was used: basis for the unit-specific CH <sub>4</sub> emission factor	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(8)	For coke calcining units: indicate whether a measured value, a unit specific or a default emission factor was used for N <sub>2</sub> O emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(i)(8)	For coke calcining units, if a unit specific emission factor was used: the basis for the unit specific factor	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(1)	For asphalt blowing operations, unit ID number for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(3)	For asphalt blowing operations, type of control device used to reduce methane emissions from the unit	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(4)	For asphalt blowing operations, annual CO <sub>2</sub> emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(4)	For asphalt blowing operations, annual CH <sub>4</sub> emissions for each unit	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(5)	For asphalt blowing operations, if using Equation Y-14: basis for the CO <sub>2</sub> emission factor used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(6)	For asphalt blowing operations, if using Equation Y-15: basis for the CH <sub>4</sub> emission factor used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(7)	For asphalt blowing operations, if using Equation Y-16a: basis for the carbon emission factor used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(8)	For asphalt blowing operations, if using Equation Y-16b: basis for the CO <sub>2</sub> emission factor used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(8)	For asphalt blowing operations, if using Equation Y-16b: basis for the carbon emission factor used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(j)(9)	For asphalt blowing operations, if using Equation Y-17: basis for the CH <sub>4</sub> emission factor used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(j)(10)	For asphalt blowing operations, if using Equation Y-19, report the relevant information required under §98.256(l)(5) of this section.	See entry for §98.256(l)(5) in this table	
Y - Petroleum Refineries	98.256(k)(1)	For each delayed coking unit, the unit ID number.	Emission Data	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(k)(2)	For each delayed coking unit, maximum rated throughput of the unit, in bbl/stream day.	CBI	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(k)(3)	For each delayed coking unit, annual quantity of coke produced in the unit during the reporting year, in metric tons.	CBI	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(k)(4)	For each delayed coking unit, the calculated annual CH <sub>4</sub> emissions (in metric tons of CH <sub>4</sub> ).	Emission Data	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(k)(5)	For each delayed coking unit, the total number of delayed coking vessels (or coke drums) associated with the delayed coking unit.	Not CBI	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(k)(6)	For each delayed coking unit, the basis for the typical dry mass of coke in the delayed coking unit vessel at the end of the coking cycle (mass measurements from company records or calculated using Equation Y-18a of this subpart).	Not CBI	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(k)(7)	For each delayed coking unit, an indication of the method used to estimate the average temperature of the coke bed, T <sub>initial</sub> (overhead temperature and Equation Y-18c of this subpart or pressure correlation and Equation Y-18d of this subpart).	Not CBI	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(k)(8)	For each delayed coking unit, an indication of whether a unit-specific methane emissions factor or the default methane emission factor was used for the delayed coking unit.	Not CBI	81 FR 89188, December 9, 2016; CBI Memo September 12, 2016
Y - Petroleum Refineries	98.256(l)(1)	For each process vent: Vent ID number (if applicable)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(2)	For each process vent: Unit or operation associated with the emissions	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(3)	For each process vent: Type of control device used to reduce CH <sub>4</sub> emissions from the unit, if applicable	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(4)	For each process vent: Calculated annual CO <sub>2</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(4)	For each process vent: Calculated annual CH <sub>4</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(4)	For each process vent: Calculated annual N <sub>2</sub> O emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(5)	For each process vent: Annual volumetric flow discharged to the atmosphere	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(5)	For each process vent: 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Number of venting events	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Cumulative venting time	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(m)(2)	For uncontrolled blowdown systems: Cumulative annual CH <sub>4</sub> emissions (in metric tons of CH <sub>4</sub> )	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(m)(3)	For uncontrolled blowdown systems reporting under §98.253(k): Basis for the CH <sub>4</sub> emission factor used	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(m)(4)	For 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	
Y - Petroleum Refineries	98.256(n)(1)	For equipment leaks: Cumulative CH <sub>4</sub> emissions for all equipment leak sources	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(n)(3)	For equipment leaks: Number of each type of emission source listed in Equation Y-21 at the facility	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(o)(1)	For all storage tanks: report the cumulative annual CH <sub>4</sub> emissions (in metric tons of each pollutant emitted CH <sub>4</sub> ) for all storage tanks except for those used to process unstabilized crude oil.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(o)(2)(i)	For all storage tanks: method used to calculate the reported storage tank emissions for storage tanks other than those processing unstabilized crude (e.g., either Section 7.1 of the AP-42 or Equation Y-22).	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(o)(3)	For all storage tanks: cumulative annual CH <sub>4</sub> emissions (in metric tons of CH <sub>4</sub> ) for all storage tanks used to process unstabilized crude oil	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(o)(3)	For all storage tanks: a statement that the facility did not receive any unstabilized crude oil	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
Y - Petroleum Refineries	98.256(o)(4)(v)	For storage tanks that process unstabilized crude oil: Basis for the mole fraction of CH <sub>4</sub> in the vent gas from the unstabilized crude oil storage tank	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
Y - Petroleum Refineries	98.256(o)(4)(vi)	For all storage tanks, if not using Equation Y-23: report the tank-specific methane composition data used to estimate cumulative CH <sub>4</sub> emissions for storage tanks used to process unstabilized crude oil.	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
Y - Petroleum Refineries	98.256(o)(4)(vi)	For all storage tanks, if not using Equation Y-23: report the annual gas generation volume (scf/yr) used to estimate cumulative CH <sub>4</sub> emissions for storage tanks used to process unstabilized crude oil.	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
Y - Petroleum Refineries	98.256(p)(1)	For loading operations: Cumulative annual CH <sub>4</sub> emissions	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 <sub>4</sub> of 0.5 volume percent or greater	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 <sub>4</sub> of 0.5 volume percent or greater is loaded	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 12, 2016
Z - Phosphoric Acid Production	98.266(b)	Annual phosphoric acid production capacity (tons)	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 30, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
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; CBI Memo, April 29, 2011
Z - Phosphoric Acid Production	98.266(e)(2)	Annual CO <sub>2</sub> emissions from each wet-phosphoric acid process line (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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	
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; CBI Memo, April 29, 2011
Z - Phosphoric Acid Production	98.266(f)(2)	Annual CO <sub>2</sub> 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; CBI Memo, April 29, 2011
Z - Phosphoric Acid Production	98.266(f)(3)	Annual phosphoric acid production capacity for each wet-process phosphoric acid process line (metric tons) (No CEMS)	No Determination	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
Z - Phosphoric Acid Production	98.266(f)(8)	Number of times missing data procedures were used to estimate CO <sub>2</sub> contents of the phosphate rock (months)	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
Z - Phosphoric Acid Production	98.266(f)(9)	Annual process CO <sub>2</sub> emissions from each phosphate acid production facility (metric tons) (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
AA - Pulp and Paper Manufacturing	98.276	Report the applicable information required by §98.36.	See entries for Subpart C in this table	
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of CO <sub>2</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic CO <sub>2</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of CH <sub>4</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic CH <sub>4</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of N <sub>2</sub> O	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic N <sub>2</sub> O	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
AA - Pulp and Paper Manufacturing	98.276(e)	The default emission factor for CO <sub>2</sub> used in equation AA-1 of this subpart (kg CO <sub>2</sub> per mmBtu).	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
AA - Pulp and Paper Manufacturing	98.276(e)	The default emission factor for CH <sub>4</sub> used in equation AA-1 of this subpart (kg CH <sub>4</sub> per mmBtu).	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
AA - Pulp and Paper Manufacturing	98.276(e)	The default emission factor for N <sub>2</sub> O used in equation AA-1 of this subpart (kg N <sub>2</sub> O per mmBtu).	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
AA - Pulp and Paper Manufacturing	98.276(j)	Annual steam purchases	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
AA - Pulp and Paper Manufacturing	98.276(k)	Total annual production of unbleached virgin chemical pulp 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.	CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
AA - Pulp and Paper Manufacturing	98.276(l)(1)	For each pulp mill lime kiln: quantity of calcium oxide (CaO) produced (metric tons).	CBI	79 FR 63750, October 24, 2014
AA - Pulp and Paper Manufacturing	98.276(l)(2)	For each pulp mill lime kiln: the percent of annual heat input, individually for each fossil fuel type.	Not CBI	79 FR 63750, October 24, 2014
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	
BB - Silicon Carbide Production	98.286(a)(1)	Annual consumption of petroleum coke (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
BB - Silicon Carbide Production	98.286(a)(2)	Annual production of silicon carbide (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
BB - Silicon Carbide Production	98.286(a)(3)	Annual production capacity of silicon carbide (CEMS)	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
BB - Silicon Carbide Production	98.286(b)(2)	Annual production of silicon carbide for all silicon carbide process units or production furnances combined (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
BB - Silicon Carbide Production	98.286(b)(3)	Annual production capacity of silicon carbide for all silicon carbide process units or production furnances combined (No CEMS)	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 or production furnances combined	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 or production furnances combined	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 for all silicon carbide process units or production furnances combined	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 or production furnances combined	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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	
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 2011
CC - Soda Ash Manufacturing	98.296(a)(4)	Identification number for each manufacturing line (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
CC - Soda Ash Manufacturing	98.296(b)(1)	Identification number for each manufacturing line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
CC - Soda Ash Manufacturing	98.296(b)(2)	Annual process CO <sub>2</sub> emissions from each manufacturing line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
CC - Soda Ash Manufacturing	98.296(b)(3)	Annual production of soda ash for each manufacturing line (tons) (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
CC - Soda Ash Manufacturing	98.296(b)(8)	Indicate whether CO <sub>2</sub> 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; CBI Memo, April 29, 2011
CC - Soda Ash Manufacturing	98.296(b)(9)	Number of manufacturing lines used to produce soda ash (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
CC - Soda Ash Manufacturing	98.296(b)(10)(i)	If you produce soda ash using the liquid alkaline feedstock process and use the site-specific emission factor method to estimate emissions, report stack gas volumetric flow rate during performance test (dscfm) for each manufacturing line or stack.	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
CC - Soda Ash Manufacturing	98.296(b)(10)(ii)	If you produce soda ash using the liquid alkaline feedstock process and use the site-specific emission factor method to estimate emissions, report hourly CO <sub>2</sub> concentration during performance test (percent CO <sub>2</sub> ) for each manufacturing line or stack	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
CC - Soda Ash Manufacturing	98.296(b)(10)(iii)	If you produce soda ash using the liquid alkaline feedstock process and use the site-specific emission factor method to estimate emissions, report CO <sub>2</sub> emission factor of process vent flow from mine water for each manufacturing line or stack	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
CC - Soda Ash Manufacturing	98.296(b)(10)(iv)	If you produce soda ash using the liquid alkaline feedstock process and use the site-specific emission factor method to estimate emissions, report CO <sub>2</sub> emission mass emission rate during performance test (metric tons/hour) for each manufacturing line or stack.	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
CC - Soda Ash Manufacturing	98.296(b)(10)(v)	If you produce soda ash using the liquid alkaline feedstock process and use the site-specific emission factor method to estimate emissions, report average process vent flow from mine water stripper/evaporator during performance test (pounds/hour).	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
CC - Soda Ash Manufacturing	98.296(b)(10)(vi)	If you produce soda ash using the liquid alkaline feedstock process and use the site-specific emission factor method to estimate emissions, report annual process vent flow rate from mine water stripper/evaporator (thousand pounds/hour).	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(1)	Nameplate capacity of equipment containing SF <sub>6</sub> or PFCs: existing as of the beginning of the year (excluding hermetically sealed-pressure switchgear).	Not CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(2)	Nameplate capacity of equipment containing SF <sub>6</sub> or PFCs: new hermetically-sealed pressure switchgear during the year	Input to Equation (see Note 5)	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(3)	Nameplate capacity of equipment containing SF <sub>6</sub> or PFCs: new equipment other than hermetically-sealed pressure switchgear during the year during the year	Input to Equation (see Note 5)	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(4)	Nameplate capacity of equipment containing SF <sub>6</sub> or PFCs: retired hermetically sealed-pressure switchgear during the year.	Input to Equation (see Note 5)	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016;
DD - Use of Electric Transmission and Distribution Equipment	98.306(a)(5)	Nameplate capacity of equipment containing SF <sub>6</sub> or PFCs: retired equipment other than hermetically sealed-pressure switchgear during the year.	Input to Equation (see Note 5)	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	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; CBI Memo, August 1, 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; CBI Memo, August 1, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(d)	Pounds of SF <sub>6</sub> and PFC stored in containers, but not in energized equipment, at the beginning of the year.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(e)	Pounds of SF <sub>6</sub> and PFC stored in containers, but not in energized equipment, at the end of the year.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(f)	Pounds of SF <sub>6</sub> and PFC purchased in bulk from chemical producers or distributors.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(g)	Pounds of SF <sub>6</sub> and PFC purchased from equipment manufacturers or distributors with or inside equipment, including hermetically sealed-pressure switchgear.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(h)	Pounds of SF <sub>6</sub> and PFC returned to facility after off-site recycling.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
DD - Use of Electric Transmission and Distribution Equipment	98.306(i)	Pounds of SF <sub>6</sub> and PFC in bulk and contained in equipment sold to other entities.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(j)	Pounds of SF <sub>6</sub> and PFC returned to suppliers.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(k)	Pounds of SF <sub>6</sub> and PFC sent off-site for recycling.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(l)	Pounds of SF <sub>6</sub> and PFC sent off-site for destruction.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
DD - Use of Electric Transmission and Distribution Equipment	98.306(m)	State(s) or territory in which the facility lies.	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
DD - Use of Electric Transmission and Distribution Equipment	98.306(n)(1)	The number of SF <sub>6</sub> - or PFC-containing pieces of equipment in the following equipment category: New hermetically sealed-pressure switchgear during the year.	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
DD - Use of Electric Transmission and Distribution Equipment	98.306(n)(2)	The number of SF <sub>6</sub> - or PFC-containing pieces of equipment in the following equipment category: New equipment other than hermetically sealed-pressure switchgear during the year.	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
DD - Use of Electric Transmission and Distribution Equipment	98.306(n)(3)	The number of SF <sub>6</sub> - or PFC-containing pieces of equipment in the following equipment category: Retired hermetically sealed-pressure switchgear during the year.	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
DD - Use of Electric Transmission and Distribution Equipment	98.306(n)(4)	The number of SF <sub>6</sub> - or PFC-containing pieces of equipment in the following equipment category: Retired equipment other than hermetically sealed-pressure switchgear during the year.	Not CBI	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
EE - Titanium Dioxide Production	98.316(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36. (CEMS)	See entries for Subpart C in this table	
EE - Titanium Dioxide Production	98.316(a)(1)	Identification number of each process line (CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
EE - Titanium Dioxide Production	98.316(a)(2)	Annual consumption of calcined petroleum coke (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
EE - Titanium Dioxide Production	98.316(a)(3)	Annual production of titanium dioxide (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
EE - Titanium Dioxide Production	98.316(a)(4)	Annual production capacity of titanium dioxide (CEMS)	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
EE - Titanium Dioxide Production	98.316(a)(5)	Annual production of carbon-containing waste (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
EE - Titanium Dioxide Production	98.316(b)(2)	Annual CO <sub>2</sub> emissions from each chloride process line (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, April 29, 2011
EE - Titanium Dioxide Production	98.316(b)(7)	Annual production of carbon-containing waste for each process line (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
EE - Titanium Dioxide Production	98.316(b)(12)	If carbon content of petroleum coke is based on self measurement, ASTM standard methods used to determine carbon content (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(a)	Quarterly CH <sub>4</sub> liberated from each ventilation monitoring point (metric tons CH <sub>4</sub> )	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(a)	For each mine, if MSHA reports are the monitoring method chosen under §98.324(b), report the MSHA reports used to report quarterly CH <sub>4</sub> concentration and volumetric flow rate as attachments.	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
FF- Underground Coal Mines	98.326(b)	Weekly CH <sub>4</sub> liberated from each degasification system monitoring point (metric tons CH <sub>4</sub> )	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(c)	Quarterly CH <sub>4</sub> destruction at each ventilation and degasification system destruction device or point of offsite transport (metric tons CH <sub>4</sub> )	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(d)	Net quarterly CH <sub>4</sub> emissions from all ventilation and degasification systems (metric tons CH <sub>4</sub> ).	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(e)	Quarterly CO <sub>2</sub> emissions from on-site destruction of coal mine gas CH <sub>4</sub> , where the gas is not a fuel input for energy generation or use (e.g., flaring).	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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.	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(f)	For each mine, specify whether the volumetric flow rate measurement at each ventilation monitoring point is on dry basis or wet basis; and, if a flow meter is used, indicate whether or not the flow meter automatically corrects for moisture content	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
FF- Underground Coal Mines	98.326(g)	Quarterly CH <sub>4</sub> concentration for each ventilation monitoring point	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(g)	Dates CH <sub>4</sub> concentration was measured.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(g)	Location CH <sub>4</sub> concentration was measured.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(g)	Method of measurement (sampling or continuous monitoring).	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(g)	For each mine, specify whether the CH <sub>4</sub> concentration measurement at each ventilation monitoring point is on dry basis or wet basis	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
FF- Underground Coal Mines	98.326(h)	Weekly volumetric flow rate used to calculate CH <sub>4</sub> liberated from degasification systems and units of measure, used in Equation FF-3.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012; 78 FR 71904, November 29, 2013
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; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(h)	Whether the volumetric flow rate measurement at each degasification monitoring point is on dry basis or wet basis; and, if a flow meter is used, indicate whether or not the flow meter automatically corrects for moisture content	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
FF- Underground Coal Mines	98.326(i)	Quarterly CH <sub>4</sub> concentration (%) used to calculate CH <sub>4</sub> liberated from degasification systems	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013;
FF- Underground Coal Mines	98.326(i)	Indicate whether the quarterly CH <sub>4</sub> concentration is based on CEMS or weekly sampling	Not CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
FF- Underground Coal Mines	98.326(i)	Whether the CH <sub>4</sub> concentration measurement at each degasification monitoring point is on dry basis or wet basis	Emission Data	81 FR 89188, December 9, 2016; CBI Memo, September 12, 2016
FF- Underground Coal Mines	98.326(j)	Weekly volumetric flow rate used to calculate CH <sub>4</sub> destruction for each destruction device and each point of offsite transport and units of measure.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012; 78 FR 71904, November 29, 2013
FF- Underground Coal Mines	98.326(k)	Weekly CH <sub>4</sub> concentration (%) used to calculate CH <sub>4</sub> flow to each destruction device and each point of offsite transport (C).	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 2011
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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(o)	Temperature (deg R) used in Equation FF-1 and FF-3.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(o)	Pressure (atm) used in Equation FF-1 and FF-3.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(o)	Moisture content used in Equation FF-1 and FF-3.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
FF- Underground Coal Mines	98.326(o)	Moisture correction factor (if applicable) used in Equation FF-1 and FF-3	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
FF- Underground Coal Mines	98.326(o)	The gaseous organic concentration correction factor, if Equation FF-9 was required.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(p)	Description of each 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; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(p)	If destruction occurs at the mine, indicate whether a backup destruction device is present	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(p)	If destruction occurs at the mine, annual operating hours of the primary destruction device	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(p)	If destruction occurs at the mine, annual operating hours of the backup destruction device	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(p)	If destruction occurs at the mine, assumed destruction efficiency for the primary destruction device	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
FF- Underground Coal Mines	98.326(p)	If destruction occurs at the mine, assumed destruction efficiency for the backup destruction device	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
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; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(q)	Surface area of the gas collection system	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(q)	Annual operating hours of the gas collection system	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
FF- Underground Coal Mines	98.326(r)(1)	Indication of whether each well, shaft, or vent hole is monitored individually or as part of a centralized monitoring point.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
FF- Underground Coal Mines	98.326(r)(1)	For each well, shaft, or vent hole, monitoring method used (sampling or continuous monitoring)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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.	Not CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
FF- Underground Coal Mines	98.326(r)(3)	Number of days the well, shaft, or vent hole was in operation during the reporting year.	Not CBI	78 FR 71904, November 29, 2013; CBI Memo, September 30, 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; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(s)	Method used (sampling or continuous monitoring) for each centralized monitoring point	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
FF- Underground Coal Mines	98.326(t)	Mine Safety and Health Administration (MSHA) identification for this coal mine	Emission Data	78 FR 71904, November 29, 2013; CBI Memo, September 30, 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	
GG - Zinc Production	98.336(a)(1)	Annual zinc product production capacity (CEMS)	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(a)(2)	Annual production quantity for each zinc product (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(a)(3)	Annual facility production quantity for each lime product (CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(1)	Identification number (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(1)	Annual process CO <sub>2</sub> emissions from each individual Waelz kiln or electrothermic furnace (No CEMS)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(2)	Annual zinc product production capacity (No CEMS)	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(3)	Annual production quantity for each zinc product (No CEMS)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
GG - Zinc Production	98.336(b)(8)	Indicate whether carbon content of each carbon-containing input materials charged to each kiln or furnace 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; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(9)	If carbon content of each carbon-containing input material charged to each kiln or furnace is based on self measurement, ASTM Standard Test Method used to determine carbon content of materials (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(11)	Indicate whether carbon content of the carbon electrode used in each furnace 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; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(12)	If carbon content of carbon electrode used in each furnace is based on self measurement, ASTM standard methods used to determine carbon content of electrode (No CEMS)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
GG - Zinc Production	98.336(b)(13)	Number of months the missing data procedures were used	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Year in which the landfill first started accepting waste for disposal	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(a)	Last year the landfill accepted waste (for closed landfills using Equation HH-3)	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Capacity of the landfill (for landfills using Eq. HH-3)	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(a)	Capacity of the landfill (for landfills not using equation HH-3)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(a)	Typical frequency of leachate recirculation 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; CBI Memo, April 29, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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)	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
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; CBI Memo, April 29, 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; CBI Memo, April 29, 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)	Input to Equation (see Note 2)	Inputs Memo, 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)	Input to Equation (see Note 2)	Inputs Memo, 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	Input to Equation (see Note 2)	Inputs Memo, 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)	Input to Equation (see Note 2)	Inputs Memo, 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 used to calculate the annual modeled CH <sub>4</sub> generation.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(d)(1)	For each waste type used to calculate CH <sub>4</sub> generation using HH-1, report the degradable organic carbon (DOC) values used in the calculations	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(d)(1)	For each waste type used to calculate CH <sub>4</sub> generation using Equation HH-1, report the fraction of DOC dissimilated (DOC <sub>F</sub> ) values used in the calculations	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(d)(2)	For each waste type used to calculate CH <sub>4</sub> generation using Equation HH-1, report the decay rate (k) value used in the calculations	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(e)	Fraction of CH <sub>4</sub> in landfill gas (F)	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(e)	Indication of whether the fraction of CH <sub>4</sub> was determined based on measured values or the default value	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
HH - Municipal Solid Waste Landfills	98.346(e)	Methane correction factor (MCF) values used in the calculations.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(e)	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.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(e)	If MCF value other than the default of 1 is used, provide a description of the aeration system, including aeration blower capacity.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(e)	If MCF value other than the default of 1 is used, provide the fraction of the landfill containing waste affected by the aeration.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(e)	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.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(e)	If MCF value other than the default of 1 is used, provide: other factors used as a basis for the selected MCF value.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(f)	Surface area of the landfill containing waste	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(f)	If multiple cover types are used, report surface area associated with each cover type	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(g)	Modeled annual methane generation rate for the reporting year calculated using Equation HH-1	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(h)	For landfills without a gas collection systems, annual CH <sub>4</sub> emissions (i.e., the methane generation, adjusted for oxidation, calculated using Equation HH-5), reported in metric tons CH <sub>4</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(h)	For landfills without a gas collection systems, the oxidation fraction used in the calculation.	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
HH - Municipal Solid Waste Landfills	98.346(i)(2)	For landfills with gas collection systems, report annual average CH <sub>4</sub> concentration of landfill gas collected for destruction	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(3)	For landfills with gas collection systems, report monthly average temperature at which flow is measured for landfill gas collected for destruction	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(3)	For landfills with gas collection systems, statement that temperature is incorporated into internal calculations run by the monitoring equipment	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(3)	For landfills with gas collection systems, report monthly average pressure at which flow is measured for landfill gas collected for destruction	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(3)	For landfills with gas collection systems, statement that pressure is incorporated into internal calculations run by the monitoring equipment	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(4)	For landfills with gas collection systems, indication of whether flow was measured on a wet or dry basis	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(4)	For landfills with gas collection systems, report monthly average Moisture Content required for Equation HH-4	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(4)	For landfills with gas collection systems, indication as to whether CH <sub>4</sub> concentration was measured on a wet or dry basis	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(5)	For landfills with gas collection systems, indication of whether destruction occurs at the landfill facility or off-site, or both	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)(i)	For landfills with gas collection systems, if destruction occurs at the landfill facility, report for each measurement location the number of destruction devices associated with the measurement location.	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)(ii)	For landfills with gas collection systems, if destruction occurs at the landfill facility, report for each measurement location the annual operating hours of the gas collection system associated with the measurement location.	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)(iii)(A)	For landfills with gas collection systems, if destruction occurs at the landfill facility, report for each measurement location the destruction efficiency (percent) for each destruction device associated with the measurement location.	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(5)(iii)(B)	For landfills with gas collection systems, if destruction occurs at the landfill facility, report for each measurement location the annual operating hours where active gas flow was sent to the destruction device.	Not CBI	81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
HH - Municipal Solid Waste Landfills	98.346(i)(6)	For landfills with gas collection systems, report annual quantity of recovered CH <sub>4</sub> calculated using Equation HH-4 for each measurement location.	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(7)	For landfills with gas collection systems, description of the gas collection system (manufacturer, capacity, and number of wells)	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(7)	For landfills with gas collection systems, report surface area for each area specified in Table HH-3	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(i)(7)	For landfills with gas collection systems, report estimated waste depth as specified in Table HH-3	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(7)	For landfills with gas collection systems, report estimated gas collection system efficiency	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
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; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(8)	For landfills with gas collection systems, methane generation corrected for oxidation calculated using Equation HH-5 of this subpart, reported in metric tons CH <sub>4</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(8)	For landfills with gas collection systems, the oxidation fraction used in the calculation (Equation HH-5)	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(9)	For landfills with gas collection systems, methane generation (G <sub>CH<sub>4</sub></sub> ) value used as an input to Equation HH-6	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
HH - Municipal Solid Waste Landfills	98.346(i)(9)	For landfills with gas collection systems, specify whether the value is modeled (G <sub>CH<sub>4</sub></sub> from HH-1) or measured (R from Equation HH-4).	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(10)	For landfills with gas collection systems, methane generation corrected for oxidation calculated using Equation HH-7 of this subpart, reported in metric tons CH <sub>4</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(10)	For landfills with gas collection systems, the oxidation fraction used in the calculation (Equation HH-7)	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(11)	For landfills with gas collection systems, methane emissions calculated using Equation HH-6, reported in metric tons CH <sub>4</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(11)	For landfills with gas collection systems, the oxidation fraction used in the calculation (Equation HH-6)	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
HH - Municipal Solid Waste Landfills	98.346(i)(12)	For landfills with gas collection systems methane emissions calculated using Equation HH-8 of this subpart, reported in metric tons CH <sub>4</sub>	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
HH - Municipal Solid Waste Landfills	98.346(i)(12)	For landfills with gas collection systems, the oxidation fraction used in the calculation (Equation HH-8)	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
HH - Municipal Solid Waste Landfills	98.346(i)(13)	For landfills with gas collection systems, methane emissions for the landfill (i.e., the subpart HH total methane emissions). Choose the methane emissions from either Equation HH-6 or Equation HH-8 that best represents the emissions from the landfill. If the quantity of recovered CH <sub>4</sub> from Equation HH-4 is used as the value of G <sub>CH4</sub> in Equation HH-6, use the methane emissions calculated using Equation HH-8 as the methane emissions for the landfill.	Emission Data	81 FR 89188, December 9, 2016; CBI and Inputs Memo, September 12, 2016
II - Wastewater Treatment	98.356(a)	For each wastewater treatment system, the anaerobic processes used in the industrial wastewater treatment system to treat industrial wastewater and industrial wastewater treatment sludge.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 81 FR 89188, December 9, 2016
II - Wastewater Treatment	98.356(a)	For each wastewater treatment system, the average depth in meters of each anaerobic lagoon.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 81 FR 89188, December 9, 2016
II - Wastewater Treatment	98.356(a)	For each wastewater treatment system, indicate whether biogas generated by each anaerobic process is recovered.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 81 FR 89188, December 9, 2016
II - Wastewater Treatment	98.356(a)	For each wastewater treatment system, provide a unique identifier for each anaerobic process. Each anaerobic process must be identified as one of the following: (1) Anaerobic reactor. (2) Anaerobic deep lagoon (depth more than 2 meters). (3) Anaerobic shallow lagoon (depth less than 2 meters). (4) Anaerobic sludge digester.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 81 FR 89188, December 9, 2016
II - Wastewater Treatment	98.356(a)	For each wastewater treatment system: Description or diagram of the industrial wastewater treatment system, identifying the processes used, indicating how the processes are related to each other.	No Determination	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
II - Wastewater Treatment	98.356(b)(1)	For each anaerobic wastewater treatment process, report the weekly average COD or BOD <sub>5</sub> concentration of wastewater entering anaerobic wastewater treatment process, for each week the anaerobic process was operated.	Input to Equation (see Note 2)	Inputs Memo, 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.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
II - Wastewater Treatment	98.356(b)(3)	For each anaerobic wastewater treatment process, report the maximum CH <sub>4</sub> production potential (Bo) used as an input to Equation II-1 or II-2, from Table II-1.	Input to Equation (see Note 2)	Inputs Memo, 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.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
II - Wastewater Treatment	98.356(b)(5)	For each anaerobic wastewater treatment process, report the annual mass of CH <sub>4</sub> generated by each anaerobic wastewater treatment process, calculated using Equations II-1 or II-2.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
II - Wastewater Treatment	98.356(b)(6)	For each anaerobic wastewater treatment process (reactor, deep lagoon, or shallow lagoon), if the facility performs an ethanol production processing operation as defined in §98.358, indicate if the facility uses a wet milling process or a dry milling process.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 81 FR 89188, December 9, 2016
II - Wastewater Treatment	98.356(c)	For each anaerobic wastewater treatment process from which biogas is not recovered, report the annual CH <sub>4</sub> emissions, calculated using Equation II-3.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 <sub>4</sub> recovered from the anaerobic process (calculated using Equation II-4 and used as an input in Equation II-5)	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 2011
II - Wastewater Treatment	98.356(d)(2)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: cumulative volumetric biogas flow for each week that biogas is collected for destruction. (if using weekly sampling)	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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 <sub>4</sub> concentration for each week that biogas is collected for destruction. (if using weekly sampling)	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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 <sub>4</sub> concentration for each week that biogas is collected for destruction. (if using daily sampling)	CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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)	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	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; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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 <sub>4</sub> was measured on a wet or dry basis.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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)	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
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; CBI Memo, April 29, 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; CBI Memo, August 1, 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)	Input to Equation (see Note 1)	79 FR 63750, October 24, 2014; Inputs Memo, September 2014
II - Wastewater Treatment	98.356(d)(7)	For each anaerobic wastewater treatment process and anaerobic sludge digester from which some biogas is recovered: CH <sub>4</sub> collection efficiency (CE) (used in equation II-5)	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 2011

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, April 29, 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 the annual operating hours for the primary destruction device	Input to Equation (see Note 2)	Inputs Memo, 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: If destruction occurs at the facility, also report the annual operating hours for the backup destruction device (if present)	Input to Equation (see Note 2)	Inputs Memo, 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: If destruction occurs at the facility, also report the destruction efficiency of the primary destruction device	Input to Equation (see Note 2)	Inputs Memo, 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: If destruction occurs at the facility, also report the destruction efficiency of the backup destruction device (if present)	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
II - Wastewater Treatment	98.356(d)(9)	For each anaerobic process from which some biogas is recovered: annual CH <sub>4</sub> emissions calculated by Equation II-6	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
II - Wastewater Treatment	98.356(e)	Total mass of CH <sub>4</sub> emitted from all anaerobic processes from which biogas is not recovered (calculated in Equation II-3)	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
II - Wastewater Treatment	98.356(e)	Total mass of CH <sub>4</sub> 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; CBI Memo, April 29, 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; CBI Memo, August 1, 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 CO <sub>2</sub> 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; CBI Memo, August 1, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	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 <sub>2</sub> emitted (metric tons) annually from equipment leaks and vented emissions of CO <sub>2</sub> 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; CBI Memo, August 1, 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 <sub>2</sub> emitted (metric tons) annually from equipment leaks and vented emissions of CO <sub>2</sub> 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; CBI Memo, August 1, 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 <sub>2</sub> emissions occurred, report a numerical identifier for the leakage pathway.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 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 <sub>2</sub> emissions occurred, report CO <sub>2</sub> emitted through that leakage pathway in the reporting year.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 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 <sub>2</sub> 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; CBI Memo, August 1, 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; CBI Memo, August 1, 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): MRV plan approval number that was issued by EPA.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 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; CBI Memo, August 1, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
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; CBI Memo, August 1, 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; CBI Memo, August 1, 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 <sub>2</sub> , 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 <sub>2</sub> emitted.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012
RR - Geologic Sequestration of Carbon Dioxide	98.448	MRV Plans and revised MRV Plans.	Not CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(a)	Pounds of SF <sub>6</sub> and PFCs stored in containers at the beginning of the year.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(b)	Pounds of SF <sub>6</sub> and PFCs stored in containers at the end of the year.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(c)	Pounds of SF <sub>6</sub> and PFCs purchased in bulk.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(d)	Pounds of SF <sub>6</sub> and PFCs returned by equipment users with or inside equipment.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(e)	Pounds of SF <sub>6</sub> and PFCs returned to site from off site after recycling.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(f)	Pounds of SF <sub>6</sub> and PFCs inside new equipment delivered to customers.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(g)	Pounds of SF <sub>6</sub> and PFCs delivered to equipment users in containers.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(h)	Pounds of SF <sub>6</sub> and PFCs returned to suppliers.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(i)	Pounds of SF <sub>6</sub> and PFCs sent off site for destruction.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(j)	Pounds of SF <sub>6</sub> and PFCs sent off site to be recycled.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(k)	Nameplate capacity of the equipment delivered to customers with SF <sub>6</sub> or PFCs inside, if different from the quantity in §98.456(f).	CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 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; CBI Memo, August 1, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(m)	The values for EF <sub>ci</sub> of Equation SS-5 for each hose and valve combination and the associated valve fitting sizes and hose diameters.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
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 <sub>ci</sub> of Equation SS-5 of this subpart.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(o)	If the mass of SF <sub>6</sub> 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 mean value of nameplate capacity in pounds for each make, model, and group of conditions.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(p)	If the mass of SF <sub>6</sub> 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.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(p)	If the mass of SF <sub>6</sub> 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; CBI Memo, August 1, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(q)	Pounds of SF <sub>6</sub> and PFCs used to fill equipment at off-site electric power transmission or distribution locations, or M <sub>F</sub> , of Equation SS-6 of this subpart.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
SS - Manufacture of Electric Transmission and Distribution Equipment	98.456(r)	Pounds of SF <sub>6</sub> and PFCs used to charge the equipment prior to the equipment leaving the electrical equipment manufacturer or refurbishment facility, or M <sub>C</sub> , of Equation SS-6 of this subpart.	Input to Equation (see Note 2)	Inputs Memo, December 17, 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 <sub>i</sub> , of Equation SS-6 of this subpart.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	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; CBI Memo, August 1, 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; CBI Memo, August 1, 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; CBI Memo, August 1, 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.	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 2011
TT- Industrial Landfills	98.466(a)(2)	The year the landfill first started accepting waste for disposal	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 2011
TT- Industrial Landfills	98.466(a)(3)	Last year the landfill accepted waste (for closed landfills using Equation TT-4)	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 2011
TT- Industrial Landfills	98.466(a)(4)	Capacity of the landfill in metric tons (for closed landfills using Equation TT-4)	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
TT- Industrial Landfills	98.466(a)(5)	An indication of whether leachate recirculation is used during the reporting year and its typical frequency of leachate use over the past 10 years	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 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 <sub>4</sub> generation.	Not CBI	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 30, 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 <sub>4</sub> generation.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
TT- Industrial Landfills	98.466(b)(3)	The fraction of CH <sub>4</sub> in the landfill gas, F, (volume fraction, dry basis, corrected to 0% oxygen) for the reporting year.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
TT- Industrial Landfills	98.466(b)(3)	An indication as to whether this (fraction of CH <sub>4</sub> in the landfill gas, F) was the default value or a value determined through measurement data.	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
TT- Industrial Landfills	98.466(b)(4)	The methane correction factor (MCF) value used in the calculations.	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, August 1, 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; CBI Memo, August 1, 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 total number of hours during the year the aeration blower was operated.	Not CBI	77 FR 48072, August 13, 2012; CBI Memo, August 1, 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; CBI Memo, August 1, 2012
TT- Industrial Landfills	98.466(b)(5)	For each waste stream, the decay rate (k) value used in the calculations.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(3)(ii)	For each waste stream identified for which Equation TT-2 is used: The year of the data used in Equation TT-2 for the waste disposal quantity and production quantity, for each year used in Equation TT-2 to calculate the average waste disposal factor (WDF).	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011
TT- Industrial Landfills	98.466(c)(4)(i)	If Equation TT-4a of this subpart is used, provide: Value of landfill capacity (LFC).	Input to Equation (see Note 2)	Inputs Memo, 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.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012; 78 FR 71904, November 29, 2013

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
TT- Industrial Landfills	98.466(c)(4)(iii)	If Equation TT-4a of this subpart is used, provide:YrOpen.	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012; 78 FR 71904, November 29, 2013
TT- Industrial Landfills	98.466(c)(5)(i)	If Equation TT-4b of this subpart is used, 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)	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
TT- Industrial Landfills	98.466(c)(5)(ii)	If Equation TT-4b of this subpart is used, 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	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
TT- Industrial Landfills	98.466(c)(5)(iii)	If Equation TT-4b of this subpart is used, YrLast	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
TT- Industrial Landfills	98.466(c)(5)(iv)	If Equation TT-4b of this subpart is used, YrOpen	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
TT- Industrial Landfills	98.466(c)(5)(v)	If Equation TT-4b of this subpart is used, NYrData	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
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 calendar year for which the data elements in §98.466(d) apply.	Emission Data	77 FR 48072, August 13, 2012; CBI Memo, August 1, 2012
TT- Industrial Landfills	98.466(d)(2)	For each year of landfilling starting with the "start year" and each year thereafter up to the current reporting year, report the quantity of waste (Wx) disposed of in the landfill for each waste stream	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012
TT- Industrial Landfills	98.466(d)(3)	For each waste stream, the degradable organic carbon (DOCx) value (mass fraction) for the specified year.	Input to Equation (see Note 2)	-Inputs Memo, 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; CBI Memo, April 29, 2011; 78 FR 71904, November 29, 2013; CBI Memo, September 30, 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; CBI Memo, August 1, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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)	Input to Equation (see Note 2)	Inputs Memo, December 17, 2012

Subpart	Reporting Section (40 CFR part 98)	Description of Data Element	Confidentiality Determination	Source
TT- Industrial Landfills	98.466(f)	Modeled annual methane generation ( $G_{CH_4}$ ) for the reporting year (metric tons $CH_4$ ) calculated using Equation TT-1 (used in Equation TT-6).	Input to Equation (see Note 2)	Inputs Memo, 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; CBI Memo, April 29, 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; CBI Memo, April 29, 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 $CH_4$ .	Emission Data	76 FR 30782, May 26, 2011; CBI Memo, April 29, 2011 78 FR 71904, November 29, 2013; CBI Memo, September 30, 2013
TT- Industrial Landfills	98.466(h)(2)	For landfills with gas collection systems: Oxidation fraction used in Equation TT-6	Input to Equation (See Note 4)	78 FR 71904, November 29, 2013; Inputs Memo, September 4, 2013
TT- Industrial Landfills	98.466(h)(3)	For landfills with gas collection systems: Report all information required under §98.346(i)(1) through (7) and §98.346(i)(9) through (12).	See entry for §98.346(i) of Subpart HH in this table	