

**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>2e</sub> .	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>2e</sub> .	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>2e</sub> ) 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
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 degassification 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
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	