

MEMORANDUM

To: Docket EPA-HQ-OAR-2009-0924

From: Jennifer Bohman, EPA/Climate Change Division

Date: April 29, 2011

Subject: Final Data Category Assignments and Confidentiality Determinations for Part 98 Reporting Elements

In this memorandum, we show the final data category assignments and confidentiality determinations for data elements covered by the final rule: *Confidentiality Determinations for Data Required Under the Mandatory Greenhouse Gas Reporting Rule and Amendments to Special Rules Governing Certain Information Obtained Under the Clean Air Act* (hereinafter referred to as the Final CBI Rule) (see Appendix A). Appendix B of this memorandum provides a detailed list of the 24 new data elements that were added to 40 CFR part 98 after the July CBI proposals were published. Appendix C lists the 69 data elements that were proposed as Inputs to Emission Equations but were reassigned to other data categories.

BACKGROUND

EPA published the Mandatory Greenhouse Gas Reporting Rule on October 30, 2009 (74 FR 56260). Under 40 CFR part 98 of the rule and its subsequent amendments (hereinafter referred to as Part 98), EPA will collect data from certain facilities and suppliers above specified thresholds. The data to be reported includes information on GHG emissions and GHGs supplied, including information necessary to characterize, quantify, and verify the GHG emissions and GHGs supplied data. During the development of Part 98, EPA received a number of comments from businesses and other stakeholders regarding their concern that some of the data reported consisted of trade secrets and other confidential business information that, if released to the public, would likely harm their competitive position. To address those concerns, EPA published the *Proposed Confidentiality Determinations for Data Required under the Mandatory Greenhouse Gas Reporting Rule and Proposed Amendment to Special Rules Governing Certain Information Obtained under the Clean Air Act* on July 7, 2010 (referred to hereafter as the July 7, 2010 CBI Proposal) (75 FR 39094), which proposed CBI determinations for part 98 data elements, as well as amendments to EPA's *Special Rules governing certain information obtained under the Clean Air Act* at 40 CFR 2.301. EPA issued a supplemental CBI proposal on July 27, 2010 (75 FR 43889).

EPA finalized the determinations for Part 98 data elements with certain exceptions discussed in more detail below. A copy of the Final CBI Rule is available on EPA's Web site: <http://www.epa.gov/climatechange/emissions/ghgrulemaking.html>.

APPROACH TO MAKING CBI DETERMINATIONS

EPA's approach to making confidentiality determinations consisted of a three step process in which we first grouped Part 98 data elements into data categories, with each data category containing data elements that are either the same type of data or share similar characteristics. EPA then proposed confidentiality status based on (1) whether the data qualify as emission data as defined in 40 CFR 2.301(a)(2)(i); and (2) for data that do not qualify as emission data, whether they qualify for confidential treatment under 40 CFR 2.208(c) and (e)(1) (i.e., whether the information is "reasonably obtainable" and whether disclosure of the data in each category would be likely to cause "substantial harm to the business's competitive position"). We evaluated the data elements by category and made confidentiality determinations that applied to all data elements within each category with certain exceptions. EPA solicited comment on the proposed determinations during a 60-day public comment period and then addressed those comments before making our final determinations. The final category assignments and CBI determinations for each data element are shown in Appendix A of this memorandum. Further information on EPA's general approach and decision process is presented in Section I.C of the preamble to the July 7, 2010 CBI proposal. Changes to the proposed determinations and the reasons for those changes are discussed in Section II of the preamble to the Final CBI Rule.

DATA ELEMENTS NOT INCLUDED IN THE FINAL CBI RULE

EPA did not make confidentiality determinations for the following data elements in the Final CBI rule:

1. Data elements used as Inputs to Emission Equations. After the publication of the CBI proposals, EPA received comments raising serious concerns regarding potential harmful consequences from public availability of these data elements. EPA concluded that some of these comments warrant more extensive evaluation. For this reason, EPA published an Interim Final Rule that deferred the reporting of data elements in the Inputs to Emission Equation data category for a short term basis (see 75 FR 81338, December 27, 2010) and a proposal to defer reporting of these data elements until 2014 (see 75 FR 81350, December 27, 2010).
2. Data elements in the following subparts that were finalized after the July 2010 CBI proposals:
 - Subpart I, Electronics Manufacturing;
 - Subpart L, Fluorinated Gas Production;
 - Subpart W, Petroleum and Natural Gas Systems;
 - Subpart DD, Sulfur Hexafluoride (SF₆) and Perfluorocarbons (PFCs) from Electrical Equipment at an Electric Power System;
 - Subpart QQ, Importers and Exporters of Fluorinated Greenhouse Gases Contained in Pre-Charged Equipment or Closed-Cell Foams;

- Subpart RR, Geologic Sequestration of Carbon Dioxide;
- Subpart SS, Sulfur Hexafluoride and PFCs from Electrical Equipment Manufacture or Refurbishment; and
- Subpart UU, Injection of Carbon Dioxide.

A detailed discussion of EPA’s reasons for excluding these data elements is included in the Sections II.A.3 and II.A.4 of the preamble to the final CBI rule.

APPENDIX A – FINAL CONFIDENTIALITY DETERMINATIONS

Direct Emitter Data Categories:

In the Final CBI Rule, EPA finalized determinations for 10 of the 11 direct emitter data categories included in the July 7, 2010 CBI proposal. As discussed above and in Section II.A.4 of the preamble to the Final CBI rule, EPA did not finalize determinations for the data elements in the Inputs to Emission Equations category. The categories finalized in the Final CBI Rule are listed below. These data categories contain data elements reported by facilities that directly emit GHGs to the atmosphere. For the list of data elements included in each direct emitter data category and the final confidentiality determination, see Appendix A, Table A-1 of this memorandum.

- Facility and unit identifier information.
- Emissions.
- Calculation methodology and methodological tier.
- Data elements reported for periods of missing data that are not inputs to emission equations.
- Unit/process static characteristics that are not inputs to emission equations.
- Unit/process operating characteristics that are not inputs to emission equations.
- Test and calibration methods.
- Production/throughput data that are not inputs to emission equations.
- Raw materials consumed that are not inputs to emission equations.
- Process-Specific and Vendor Data Submitted in BAMM Extension Requests.

Supplier Data Categories:

The 11 data categories for suppliers are listed below. These data categories contain data elements reported by suppliers of fuels, industrial gases, and CO₂ that meet the criteria in 40 CFR 98.2(a)(4). In general, the data elements reported by suppliers differ from those reported by direct emitters in that they include the quantities of fuel products or industrial gases supplied into the economy (i.e., through import or U.S. production) or exported to another country, and the estimated GHG emissions that could be released when the fuels are combusted or the industrial gases released. For this reason, EPA developed a separate set of data categories for suppliers. For the list of data elements included in each supplier data category and the final confidentiality determination, see Appendix A, Table A-2 of this memorandum.

- GHGs reported.
- Production/throughput quantities and composition.
- Identification information.
- Unit/process operating characteristics.
- Calculation, test, and calibration methods.
- Data elements reported for periods of missing data that are not related to production/throughput or materials received.
- Emission factors.
- Amount and composition of materials received.
- Data elements reported for periods of missing data that are related to production/throughput or materials received.
- Supplier customer and vendor information.
- Process-specific and vendor data submitted in BMM extension requests.

APPENDIX B: LIST OF NEW DATA ELEMENTS ADDED THROUGH PART 98 TECHNICAL CORRECTIONS AND REVISION NOTICES (75 FR 66434, OCTOBER 28, 2011 AND 75 FR 79092, DECEMBER 17, 2010)

EPA finalized two technical corrections and revisions notices (see 75 FR 66434, October 28, 2010 and 75 FR 79092, December 17, 2010) after EPA published the July 7, 2010 and July 27, 2010 CBI proposals. These two notices added 24 new data elements that were not specifically addressed in the CBI proposals. As explained in detail in Section II.A.4 of the preamble to the Final CBI Rule, EPA has assigned these data elements to the appropriate data category and made final CBI determinations based on the type and characteristics of each data element. Although the July 2010 CBI proposals did not specifically address the new data elements that were added when EPA finalized these notices, the CBI proposals included proposed confidentiality determinations for data elements that are of the same types as these new data elements. Having proposed and sought comment on the confidentiality determinations and supporting rationales for the same types of data in the CBI proposals, EPA does not believe that additional time is necessary for comment on these 24 new data elements. A list of the 24 new data elements is included in Appendix B. For each new data element, we show the data category assignment, final confidentiality determination, and a data element from the proposal that is similar to the new data element.

APPENDIX C: LIST OF DATA ELEMENTS MOVED FROM THE INPUTS TO EMISSION EQUATIONS CATEGORY

In the Final CBI Rule, EPA reassigned a number of data elements that had previously been assigned to the Inputs to Emission Equations category in the July 2010 CBI proposals. In the July 7, 2010 CBI proposal, EPA had defined the Inputs to Emission Equations category as data elements that are “inputs to equations specified in Part 98 for calculating emissions to be reported by direct emitters ... and are used by the reporting direct emitting sources to calculate

their annual GHG emission under part 98” (75 FR 39094 July 7, 2010). However, in preparing the interim final (75 FR 81338, December 27, 2010) and proposed deferral notices (75 FR 81350, December 27, 2010) described above, EPA noted that the July 2010 CBI proposals inadvertently included in the Inputs to Equations category several data elements that consist of information related to the data used to calculate emissions but are not the actual inputs used by the reporter as inputs to part 98 emission equations. For example, a subpart may require that reporters complete a particular calculation for each unit across a facility. In this circumstance, a reporter would gather necessary data and complete the calculation for each unit. Although Part 98 specifies that reporters must complete the calculation for each unit and sum the results across all units, the actual number of units would not be an input to the emission equation based on our description of the Inputs to Equations category. As explained in Section II.A.4 of the preamble to the Final CBI Rule, EPA has reassigned these data elements to the appropriate data category based on the type and characteristics of each data element. A list of the reassigned data elements is provided in Appendix C. For each reassigned data element, we show their final data category assignment, final confidentiality determination, and a data element from the proposal that is similar to the reassigned data element.

Appendix A

Final Data Category Assignments and Determinations

Table A-1: Direct Emitters

Table A-2: Suppliers

Table A-1: Direct Emitters: Final Data Category Assignments and Confidentiality Determinations

KEY:
¹ This data element is not assigned to a category because the data element refers to a reporting requirement specified under another requirement in the same subpart or a different subpart that has already been assigned to a category.
 ND= No determination has been made for this data element.
 E = Emission data available to the public.
 C = Data Element is considered to be confidential business information.
 X = Data Element is not eligible for confidential treatment

Subpart	Reporting Section	Final Data Element	Category										
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests	
A - General Reporting Requirements	98.3(c)(1) & 98.3(d)(3)(i) & 98.4(i)(1)	Facility name	E										
A - General Reporting Requirements	98.3(c)(1) & 98.3(d)(3)(i)	Physical street address of the facility, including the city, state, and zip code	E										
A - General Reporting Requirements	98.3(c)(2) & 98.3(d)(3)(ii)	Year and months covered by the report	E										
A - General Reporting Requirements	98.3(c)(3) & 98.3(d)(3)(iii)	Date of submittal of the report	E										
A - General Reporting Requirements	98.3(c)(4)(i)	Annual emissions (excluding biogenic CO ₂) aggregated for all GHGs for all applicable source categories, expressed in metric tons of CO ₂ e calculated using Equation A-1 of this subpart		E									
A - General Reporting Requirements	98.3(c)(4)(ii)	Annual emissions of biogenic CO ₂ (metric tons) for all GHGs for all applicable source categories, expressed in metric tons.		E									
A - General Reporting Requirements	98.3(c)(4)(iii)(A)	Annual emissions of biogenic CO ₂		E									
A - General Reporting Requirements	98.3(c)(4)(iii)(B)	Annual emissions of CO ₂ (excluding biogenic CO ₂) for all GHGs for all applicable source categories in subparts C through JJ.		E									
A - General Reporting Requirements	98.3(c)(4)(iii)(C)	Annual emissions of CH ₄		E									
A - General Reporting Requirements	98.3(c)(4)(iii)(D)	Annual emissions of N ₂ O		E									
A - General Reporting Requirements	98.3(c)(4)(iii)(E)	Annual emissions of fluorinated GHGs		E									
A - General Reporting Requirements	98.3(c)(4)(v)	Emissions are from cogeneration units (y/n)?				X							
A - General Reporting Requirements	98.3(c)(6)	A written explanation, as required under §98.3(e)						E					
A - General Reporting Requirements	98.3(c)(7)	A brief description of each "best available monitoring method" used (see 98.3(d))							X				
A - General Reporting Requirements	98.3(c)(7)	Parameter used during the "best available monitoring method" (see 98.3(d))						E					
A - General Reporting Requirements	98.3(c)(7)	Time period during which the "best available monitoring method" was used" (see 98.3(d))						E					
A - General Reporting Requirements	98.3(c)(8)	Data elements for which a missing data procedure was used according to the procedures of an applicable subpart									E		
A - General Reporting Requirements	98.3(c)(8)	Total number of hours in the year that a missing data procedure was used									E		
A - General Reporting Requirements	98.3(c)(9) & 98.3(d)(vi)	A signed and dated certification statement provided by the designated representative of the owner or operator, according to the requirements of §98.4(e)(1)	E										
A - General Reporting Requirements	98.3(c)(10)	Primary NAICS Code (may report two primary NAICS codes if entity has two distinct products/activities/services that provide comparable revenue)	E										

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 X = Data Element is not eligible for confidential treatment

Subpart	Reporting Section	Final Data Element	Category										
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BAMM Extension Requests	
A - General Reporting Requirements	98.3(c)(10)(ii)	Additional NAICS Codes	E										
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.	E										
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.	E										
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.	E										
A - General Reporting Requirements	98.3(c)(12)(i)	For the 2010 reporting year only, facilities that have "part 75 units": annual emissions aggregated for all GHG from all applicable source categories, expressed in metric tons of CO2e calculated using Equation A-1. You must include biogenic CO2 emissions from part 75 units , but exclude biogenic CO2 emissions from any non-part 75 units and other source categories.		E									
A - General Reporting Requirements	98.3(c)(12)(ii)	For the 2010 reporting year only, facilities that have "part 75 units": annual emission of biogenic CO2, expressed in metric tons (excluding biogenic CO2 emissions from part 75 units), aggregated for all applicable source categories.		E									
A - General Reporting Requirements	98.3(c)(12)(iii)(A)	For the 2010 reporting year only, facilities that have "part 75 units": annual emissions from each applicable source category, expressed in metric tons of biogenic CO2 (excluding biogenic CO2 emissions from part 75 units).		E									
A - General Reporting Requirements	98.3(c)(12)(iii)(B)	For the 2010 reporting year only, facilities that have "part 75 units": annual emissions from each applicable source category, expressed in metric tons of CO2. You must include biogenic CO2 emissions from part 75 units in these totals and exclude biogenic CO2 emissions from other non-part 75 units and other source categories.		E									
A - General Reporting Requirements	98.3(c)(12)(iii)(C)	For the 2010 reporting year only, facilities that have "part 75 units": annual emissions from each applicable source category, expressed in metric tons of CH4		E									
A - General Reporting Requirements	98.3(c)(12)(iii)(D)	For the 2010 reporting year only, facilities that have "part 75 units": annual emissions from each applicable source category, expressed in metric tons of N2O		E									
A - General Reporting Requirements	98.3(c)(12)(iii)(E)	For the 2010 reporting year only, facilities that have "part 75 units": annual emissions from each applicable source category, expressed in metric tons of each fluorinated GHG (including those not listed in Table A-1 of this subpart).		E									
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Name of person to contact about the request	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Address of contact person	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Telephone number of contact person	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - E-mail address of contact person	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Date request was signed	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Date request was submitted	E										

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Subpart	Reporting Section	Final Data Element	Category										
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BAMM Extension Requests	
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Facility name	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Physical address of facility	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Unit or group ID	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Common pipe or common stack ID	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Type of unit (e.g., boiler, process heater, cement kiln)	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Total number of units included in application	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Description of monitoring equipment (e.g., liquid flow meter)	E										
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Parameter for which instrumentation is needed (e.g., fuel combusted)						E					
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Location of unit with monitor or sampling location (e.g., fuel flow diagram)											C
A - General Reporting Requirements	98.3(d)(2)(ii)(B)	BAMM Extension Request - Identification of the specific rule requirements (by rule subpart, section, and paragraph numbers) for which the instrumentation is needed.						E					
A - General Reporting Requirements	98.3(d)(2)(ii)(C)	BAMM Extension Request - Reason for the extension request					C						
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Date equipment ordered					X						
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Information on alternative suppliers and alternative delivery dates investigated											C
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Backorder notices or unexpected delays information from supplier					X						
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Supporting documentation demonstrating that it is not practicable to isolate the equipment and install monitoring instrument without a full process unit shutdown.											C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Date of the most recent process unit shutdown											C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Frequency of shutdowns for this process unit											C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Date of the next planned shutdown during which the monitoring equipment can be installed											C

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Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BAMM Extension Requests
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Was there a shutdown or is there a planned process unit shutdown between October 30, 2009 and April 1, 2010?										C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - If planned shutdown occurred between October 30, 2009 and April 1, 2010, explanation of why equipment was not or cannot be obtained and installed during the shutdown				C						
A - General Reporting Requirements	98.3(d)(2)(ii)(D) & (F)	BAMM Extension Request - Description of the specific actions the facility will take to obtain and install the equipment as soon as reasonably feasible				X						
A - General Reporting Requirements	98.3(d)(2)(ii)(D) & (F)	BAMM Extension Request - The expected date by which the equipment will be installed and operating.				C						
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CO ₂ e		E								
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CO ₂		E								
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄		E								
A - General Reporting Requirements	98.3(d)(3)(iv)	Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of N ₂ O		E								
A - General Reporting Requirements	98.3(e)	Written explanation for why a change in methodology was required					E					
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.					E					
A - General Reporting Requirements	98.3(j)(4)(i)	BAMM Extension Request - For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include specific measurement device for which the request is being made. (For facilities Required to report under subpart P, subpart X or subpart Y)			X							
A - General Reporting Requirements	98.3(j)(4)(i)	BAMM Extension Request - For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: report the location where each measuring device will be installed. (For facilities required to report under subpart P, subpart X or subpart Y)										C
A - General Reporting Requirements	98.3(j)(4)(ii)	BAMM Extension Request - For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: provide identification of the specific rule requirements (by rule subpart, section, and paragraph numbers) requiring the measurement device. (For facilities Required to report under subpart P, subpart X or subpart Y)					E					
A - General Reporting Requirements	98.3(j)(4)(iii)	BAMM Extension Request - For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include a description of the reasons why the needed equipment could not be installed before April 1, 2010, in cases where a request for extension of use of best available monitoring methods was not submitted to EPA, or by the expiration date for the use of best available monitoring methods, in cases where an extension has been granted under §98.3(d). (For facilities Required to report under subpart P, subpart X or subpart Y)										C
A - General Reporting Requirements	98.3(j)(4)(iv)	BAMM Extension Request - For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the monitoring equipment without a full shutdown, and that there was no opportunity during 2010 to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit, the frequency of shutdowns for each relevant process equipment or unit, and the date of the next planned process equipment or unit shutdown. (For facilities Required to report under subpart P, subpart X or subpart Y)										C

Table A-1: Direct Emitters: Final Data Category Assignments and Confidentiality Determinations

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Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
A - General Reporting Requirements	98.3(j)(4)(v)	BAMM Extension Request - For Extension Request for use of BAMM beyond December 31, 2010 in cases where meter installation would require unit or process shutdown: include a description of the proposed best available monitoring method for estimating GHG emissions prior to installation of the meter. (For facilities Required to report under subpart P, subpart X or subpart Y)					E					
A - General Reporting Requirements	98.4(i)(2)	Name of the designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	Address of the designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	Facsimile transmission number of the designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	Name of the alternate designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	Address of the alternate designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the alternate designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the alternate designated representative	E									
A - General Reporting Requirements	98.4(i)(2)	Facsimile transmission number of the alternate designated representative	E									
A - General Reporting Requirements	98.4(i)(3)	A list of the owners and operators of the facility	E									
A - General Reporting Requirements	98.4(i)(4)	Certification statements in 98.4(i)(4)	E									
A - General Reporting Requirements	98.4(i)(5)	Signature of the designated representative and date signed	E									
A - General Reporting Requirements	98.4(i)(5)	Signature of the alternate designated representative (if any) and date signed	E									
C - Stationary Combustion	98.36(b)(1)	Unit ID number	E									
C - Stationary Combustion	98.36(b)(2)	Code representing the type of unit			X							
C - Stationary Combustion	98.36(b)(3)	Maximum rated heat input capacity of the unit					E					
C - Stationary Combustion	98.36(b)(4)	Types of fuel combusted during the report year.					E					
C - Stationary Combustion	98.36(b)(5)	Methodology (i.e., Tier) used to calculate the CO ₂ emissions for each type of fuel combusted					E					
C - Stationary Combustion	98.36(b)(6)	Methodology start date for each fuel type					E					
C - Stationary Combustion	98.36(b)(7)	Methodology end date for each fuel type					E					
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: Report the annual CO ₂ mass emissions (including biogenic CO ₂) for each type of fuel combusted during the reporting year.		E								

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Subpart	Reporting Section	Final Data Element	Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Category						Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations				
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual CH ₄ mass emissions in metric tons of gas for each fuel combusted during the reporting year.		E										
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report: report the annual CH ₄ mass emissions in metric tons of CO ₂ e for each fuel combusted during the reporting year.		E										
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual N ₂ O mass emissions in metric tons of gas for each fuel combusted during the reporting year.		E										
C - Stationary Combustion	98.36(b)(8)(i)	For a unit that uses Tiers 1, 2, or 3: report the annual N ₂ O mass emissions in metric tons of CO ₂ e for each fuel combusted during the reporting year.		E										
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 ₂ emissions (if applicable).		E										
C - Stationary Combustion	98.36(b)(9)(i)	For each unit that uses Tier 4: If the total annual CO ₂ mass emissions measured by the CEMS consists entirely of non-biogenic CO ₂ (i.e., CO ₂ from fossil fuel combustion plus, if applicable, CO ₂ from sorbent and/or process CO ₂), report the total annual CO ₂ mass emissions, expressed in metric tons. You are not required to report CO ₂ emissions by fuel type.		E										
C - Stationary Combustion	98.36(b)(9)(ii)	Report the total annual CO ₂ mass emissions measured by the CEMS. If this total includes both biogenic and non-biogenic CO ₂ mass emissions, separately report the annual non-biogenic CO ₂ mass emissions, expressed in metric tons. You are not required to report the combustion CO ₂ emissions by fuel type.		E										
C - Stationary Combustion	98.36(b)(9)(ii)	Report the total annual CO ₂ mass emissions measured by the CEMS. If this total includes both biogenic and non-biogenic CO ₂ mass emissions, separately report the annual CO ₂ mass emissions from biomass combustion, expressed in metric tons. You are not required to report the combustion CO ₂ emissions by fuel type.		E										
C - Stationary Combustion	98.36(b)(9)(iii)	Annual CH ₄ emissions for each of these fuels.		E										
C - Stationary Combustion	98.36(b)(9)(iii)	Annual CH ₄ emissions (CO ₂ e) for each of these fuels.		E										
C - Stationary Combustion	98.36(b)(9)(iii)	Annual N ₂ O emissions for each of these fuels		E										
C - Stationary Combustion	98.36(b)(9)(iii)	Annual N ₂ O emissions (CO ₂ e) for each of these fuels.		E										
C - Stationary Combustion	98.36(b)(10)	Annual CO ₂ emissions from sorbent		E										
C - Stationary Combustion	98.36(c)(1)(i)	Group ID number	E											
C - Stationary Combustion	98.36(c)(1)(iv)	Highest maximum rated heat input capacity of any unit in the group					E							
C - Stationary Combustion	98.36(c)(1)(v)	Each type of fuel combusted in the group of units during the reporting year					E							
C - Stationary Combustion	98.36(c)(1)(vi)	Annual CO ₂ mass emissions (CO ₂ e) for each type of fuel combusted in the group during the report year		E										
C - Stationary Combustion	98.36(c)(1)(vi)	Annual CH ₄ mass emissions for each type of fuel combusted in the group during the report year expressed in metric tons of gas.		E										
C - Stationary Combustion	98.36(c)(1)(vi)	Annual CH ₄ mass emissions expressed in metric tons of CO ₂ e for each type of fuel combusted in the group during the report year.		E										
C - Stationary Combustion	98.36(c)(1)(vi)	Annual N ₂ O mass emissions expressed in metric tons of gas for each type of fuel combusted in the group during the report year.		E										
C - Stationary Combustion	98.36(c)(1)(vi)	Annual N ₂ O mass emissions expressed in metric tons of CO ₂ e for each type of fuel combusted in the group during the report year.		E										
C - Stationary Combustion	98.36(c)(1)(vi)	If any of the units burn both fossil fuels and biomass, report annual CO ₂ emissions from combustion of fossil fuels combined		E										
C - Stationary Combustion	98.36(c)(1)(vi)	If any of the units burn both fossil fuels and biomass, report annual CO ₂ emissions from combustion of all biomass fuels combined.		E										
C - Stationary Combustion	98.36(c)(1)(vii)	Methodology (i.e., Tier) used to calculate the CO ₂ mass emissions					E							
C - Stationary Combustion	98.36(c)(1)(viii)	Methodology start date for each fuel type					E							

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			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BAMM Extension Requests
C - Stationary Combustion	98.36(c)(1)(ix)	Methodology end data for each fuel type					E					
C - Stationary Combustion	98.36(c)(1)(x)	Calculated CO ₂ mass emissions from sorbent expressed in metric tons.		E								
C - Stationary Combustion	98.36(c)(2)(i)	When the flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report the common stack or duct identification number, beginning with the prefix "CS".	E									
C - Stationary Combustion	98.36(c)(2)(ii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in discharged through a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report "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).			X							
C - Stationary Combustion	98.36(c)(2)(iii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Combined maximum rated heat input capacity of the units sharing the common stack or duct. This data element is required only when all of the units sharing the common stack are stationary fuel combustion units.					E					
C - Stationary Combustion	98.36(c)(2)(iv)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Each type of Fuel combusted in the units during the year				X						
C - Stationary Combustion	98.36(c)(2)(v)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. The methodology (tier) used to calculate the CO ₂ mass emissions, i.e., Tier 4					E					

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C - Stationary Combustion	98.36(c)(2)(vi)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report the methodology and data.					E					
C - Stationary Combustion	98.36(c)(2)(vii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report the methodology and data.					E					
C - Stationary Combustion	98.36(c)(2)(viii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. Report total annual CO ₂ mass emissions measured by the CEMS, expressed in metric tons.		E								
C - Stationary Combustion	98.36(c)(2)(viii)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. If any of the units burn both fossil fuels and biomass, separately report the annual non-biogenic CO ₂ emissions (i.e., CO ₂ emissions from fossil fuel combustion plus, if applicable, CO ₂ emissions from sorbent and/or process CO ₂) and the annual CO ₂ emissions from biomass combustion, each expressed in metric tons.		E								
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. CH ₄ emissions in metric tons of gas.		E								
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. CH ₄ emissions in metric tons of CO ₂ e.		E								

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			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. N ₂ O emissions in metric tons of gas.		E								
C - Stationary Combustion	98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together in a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO ₂ mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. N ₂ O emissions in metric tons of CO ₂ e.		E								
C - Stationary Combustion	98.36(c)(3)(i)	Common pipe identification number, beginning with the prefix "CP".	E									
C - Stationary Combustion	98.36(c)(3)(iii)	When the common pipe reporting option is selected, report the highest maximum rated heat input capacity of any unit served by the common pipe					E					
C - Stationary Combustion	98.36(c)(3)(iv)	Fuels combusted in the units during the reporting year					E					
C - Stationary Combustion	98.36(c)(3)(v)	Methodology used to calculate the CO ₂ mass emissions					E					
C - Stationary Combustion	98.36(c)(3)(vi)	Annual CO ₂ mass emissions from combustion of all fossil fuels		E								
C - Stationary Combustion	98.36(c)(3)(vi)	Annual CO ₂ emissions from combustion of all biomass fuels		E								
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual CO ₂ mass emissions from each fuel type for the units served by the common pipe, expressed in metric tons.		E								
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual CH ₄ emissions from each fuel type for the units served by the common pipe, expressed in metric tons of gas.		E								
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual N ₂ O emissions from each fuel type for the units served by the common pipe, expressed in metric tons of gas.		E								
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual CH ₄ emissions from each fuel type for the units served by the common pipe, expressed in metric tons of CO ₂ e.		E								
C - Stationary Combustion	98.36(c)(3)(vii)	When the common pipe reporting option is selected, report the annual N ₂ O emissions from each fuel type for the units served by the common pipe, expressed in metric tons of CO ₂ e.		E								
C - Stationary Combustion	98.36(c)(3)(viii)	When the common pipe reporting option is selected, report the methodology start date					E					
C - Stationary Combustion	98.36(c)(3)(ix)	When the common pipe reporting option is selected, report the methodology end date					E					
C - Stationary Combustion	98.36(d)(1)(i)	For stationary combustion units that are subject to part 75 or this chapter: Report the unit or stack identification numbers (same unit, common stack, common pipe, or multiple stack identification numbers that represent the monitored locations (e.g., 1, 2, CS001, MS1A, CP001, etc.) that are reported under §75.64 of this chapter.)	E									
C - Stationary Combustion	98.36(d)(1)(ii)	For stationary combustion units that are subject to subpart D of this part. Annual CO ₂ emissions at each monitored location, expressed in both short tons and metric tons. Separate reporting of biogenic CO ₂ under 98.3(c)(4)(ii) and 98.3(c)(4)(iii)(A) is optional only for the 2010 reporting year, as provided in 98.3(c)(12). Subpart D units are not required to report biogenic CO ₂ emissions under 98.3(c)(4)(ii) and 98.3(c)(4)(iii)(A).		E								

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations				
C - Stationary Combustion	98.36(d)(1)(iii)	For stationary combustion units that are subject to subpart D of this part: Annual CH ₄ emissions at each monitored location, for each fuel type listed in Table C-2 that was combusted during the year (except as otherwise provided in 98.33(c)(4)(ii)(B)), expressed in metric tons of CO ₂ e		E										
C - Stationary Combustion	98.36(d)(1)(iii)	For stationary combustion units that are subject to subpart D of this part: Annual N ₂ 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 ₂ e		E										
C - Stationary Combustion	98.36(d)(1)(v)	For stationary combustion units that are subject to subpart D of this part: Identification of the Part 75 methodology used to determine the CO ₂ mass emissions					E							
C - Stationary Combustion	98.36(d)(1)(vi)	For stationary combustion units that are subject to subpart D of this part : Methodology start date					E							
C - Stationary Combustion	98.36(d)(1)(vii)	For stationary combustion units that are subject to subpart D of this part : Methodology end date					E							
C - Stationary Combustion	98.36(d)(1)(viii)	For stationary combustion units that are subject to subpart D of this part : Acid Rain Program indicator					E							
C - Stationary Combustion	98.36(d)(1)(ix)	For stationary combustion units that are subject to subpart D of this part : Annual CO ₂ mass emissions from the combustion of biomass, expressed in metric tons of CO ₂ e, except where the reporting provisions of 98.3(c)(12)(i) through 98.3(c)(12)(iv) are implemented for the 2010 reporting year.		E										
C - Stationary Combustion	98.36(d)(2)(i)	For units that use the alternative CO ₂ 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)	E											
C - Stationary Combustion	98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year				X								
C - Stationary Combustion	98.36(d)(2)(ii)(B)	The methodology used to calculate the CO ₂ mass emissions for each fuel type					E							
C - Stationary Combustion	98.36(d)(2)(ii)(C)	Units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to 40 CFR part 75 or 40 CFR 75.19; If subject to 40 CFR part 75; use the alternative CO ₂ mass emissions calculation methods provided in §98.33(a)(5), report the Methodology start date					E							
C - Stationary Combustion	98.36(d)(2)(ii)(D)	Units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to 40 CFR part 75 or 40 CFR 75.19; If subject to 40 CFR part 75; use the alternative CO ₂ mass emissions calculation methods provided in §98.33(a)(5), report the Methodology end date.					E							
C - Stationary Combustion	98.36(d)(2)(ii)(E)	A code or flag to indicate whether heat input is calculated according to appendix D to 40 CFR part 75 or 40 CFR 75.19					E							
C - Stationary Combustion	98.36(d)(2)(ii)(F)	CO ₂ emissions (CO ₂ e)		E										
C - Stationary Combustion	98.36(d)(2)(ii)(H)	For units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to part 75 of this chapter or 75.19 of this chapter; Report CH ₄ emissions at each monitored location, from each fuel type listed in Table C-2 of this subpart that was combusted during the reporting year (except as otherwise provided in 98.33(c)(4)(ii)(D), expressed in metric tons CO ₂ e		E										
C - Stationary Combustion	98.36(d)(2)(ii)(H)	For units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to part 75 of this chapter or 75.19 of this chapter; Report N ₂ 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 ₂ e.		E										
C - Stationary Combustion	98.36(d)(2)(ii)(I)	For units use the alternative methods specified in §98.33(a)(5)(i) and (ii) to monitor and report heat input data year-round according to appendix D to part 75 of this chapter or 75.19 of this chapter; Report Annual CO ₂ mass emissions from the combustion of biomass, expressed in metric tons CO ₂ e, except where the reporting provisions of §98.3(c)(12)(i) through (c)(12)(iv) are implemented for the 2010 reporting year.		E										
C - Stationary Combustion	98.36(d)(2)(iii)(A)	Each type of fuel combusted during the reporting year.				X								

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							Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations				
C - Stationary Combustion	98.36(d)(2)(iii)(B)	Methodology used to calculate the CO ₂ mass emissions.					E							
C - Stationary Combustion	98.36(d)(2)(iii)(C)	Methodology start date.		E										
C - Stationary Combustion	98.36(d)(2)(iii)(D)	Methodology end date.		E										
C - Stationary Combustion	98.36(d)(2)(iii)(E)	A code or flag to indicate that the heat input data is derived from CEMS measurements					E							
C - Stationary Combustion	98.36(d)(2)(iii)(F)	CO ₂ emissions (CO ₂ e)		E										
C - Stationary Combustion	98.36(d)(2)(iii)(H)	Annual CH ₄ emissions in CO ₂ e		E										
C - Stationary Combustion	98.36(d)(2)(iii)(H)	Annual N ₂ O emissions in CO ₂ e		E										
C - Stationary Combustion	98.36(d)(2)(iii)(I)	Annual CO ₂ mass emissions from the combustion of biomass, expressed in metric tons CO ₂ e, except where the reporting provisions of 98.3(c)(12)(i) through (c)(12)(iv) are implemented for the 2010 reporting year		E										
C - Stationary Combustion	98.36(e)(2)(ii)(B)	Frequency of the HHV determinations							X					
C - Stationary Combustion	98.36(e)(2)(ii)(C)	Indicate whether each reported HHV is a measured value or a substitute data value										E		
C - Stationary Combustion	98.36(e)(2)(iv)(B)	Frequency of carbon content determinations							X					
C - Stationary Combustion	98.36(e)(2)(iv)(B)	Frequency of Molecular weight determinations							X					
C - Stationary Combustion	98.36(e)(2)(iv)(D)	Total number of valid carbon content determinations made during the reporting year							X					
C - Stationary Combustion	98.36(e)(2)(iv)(D)	Total number of valid molecular weight determinations made during the reporting year							X					
C - Stationary Combustion	98.36(e)(2)(iv)(E)	Total number of substitute data values used for carbon content determinations made during the reporting year										E		
C - Stationary Combustion	98.36(e)(2)(iv)(E)	Total number of substitute data values used for molecular weight determinations made during the reporting year										E		
C - Stationary Combustion	98.36(e)(2)(vi)(A)	The total number of source operating hours in the reporting year.				X								
C - Stationary Combustion	98.36(e)(2)(vi)(B)	Cumulative CO ₂ mass emissions		E										
C - Stationary Combustion	98.36(e)(2)(vi)(C)	Percentage of source operating hours in which a substitute data value of stack gas flow rate was used in the emissions calculations										E		
C - Stationary Combustion	98.36(e)(2)(vi)(C)	Percentage of source operating hours in which a substitute data value of stack gas moisture content was used in the emissions calculations										E		
C - Stationary Combustion	98.36(e)(2)(ix)(A)	For units that combust both fossil fuel and biomass, when biogenic CO ₂ is determined according to §98.33(e)(2), report annual volume of CO ₂ emitted from the combustion of all fuels, i.e., V _{total}		E										
C - Stationary Combustion	98.36(e)(2)(ix)(B)	For units that combust both fossil fuel and biomass, when biogenic CO ₂ is determined according to §98.33(e)(2), report annual volume of CO ₂ emitted		E										
C - Stationary Combustion	98.36(e)(2)(ix)(B)	For units that combust both fossil fuel and biomass, when biogenic CO ₂ is determined according to §98.33(e)(2), report annual volume of CO ₂ emitted from the combustion of fossil fuels		E										
C - Stationary Combustion	98.36(e)(2)(ix)(C)	For units that combust both fossil fuel and biomass, when biogenic CO ₂ is determined according to §98.33(e)(2), report annual volume of CO ₂ emitted from the combustion of biomass, i.e., V _{bio}		E										
C - Stationary Combustion	98.36(e)(2)(ix)(G)	For units that combust both fossil fuel and biomass, when biogenic CO ₂ is determined according to §98.33(e)(2), report the annual biogenic CO ₂ mass emissions.		E										
C - Stationary Combustion	98.36(e)(2)(x)(B)	When ASTM methods D7459-08 (incorporated by reference, see 98.7) and D6866-08 (incorporated by reference, see 98.7) used to determine the biogenic portion of the annual CO ₂ emissions from MSW combustion, as described in 98.34(d), report the annual biogenic CO ₂ mass emissions from MSW combustion, in metric tons		E										

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Subpart	Reporting Section	Final Data Element	Category										
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests	
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										C	
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										C	
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.										C	
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 ₂ emissions and combusts both fossil fuel and biomass.										C	
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 ₂ mass emissions under §98.33(a)(2)(iii) or to quantify solid fuel usage under §98.33(c)(3).										C	
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).										E	
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)										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(A): the dates and results of the initial calibrations and periodic recalibrations of the required fuel flow meters.										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(B): the method from §98.34(b) used to make tank drop measurements (if applicable).										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(C): The methods used to determine the carbon content for each type of fuel combusted.										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(C): The methods used to determine the molecular weight for each type of fuel combusted.										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(D): The methods used to calibrate the fuel flow meters.										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(v)(E): The date on which each fuel sample was taken, except where fuel sampling data are received from the fuel supplier.							X				
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(A): Whether the CEMS certification and quality assurance procedures of part 75 of this chapter, part 60 of this chapter, or an applicable State continuous monitoring program were used.										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(B): The dates of the initial certification tests of the CEMS.										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(B): results of the initial certification tests of the CEMS.										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(C): The dates of the major quality assurance tests performed on the CEMS during the reporting year, i.e., linearity checks, cylinder gas audits, and relative accuracy test audits (RATAs).										E	
C - Stationary Combustion	98.36(e)(4)	Within 30 days of receipt of a written request from the Administrator, submit the verification data and information described in paragraph (e)(2)(vii)(C): the results of the major quality assurance tests performed on the CEMS during the reporting year, i.e., linearity checks, cylinder gas audits, and relative accuracy test audits (RATAs).										E	
D - Electricity Generation	98.46	Data reporting requirements specified in §98.36(d)(1) ¹											

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Subpart	Reporting Section	Final Data Element	Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Category						Process Specific & Vendor Data Submitted in BMM Extension Requests
							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations		
E - Adipic Acid Production	98.56(a)	Annual process N ₂ O emissions from adipic acid production		E									
E - Adipic Acid Production	98.56(d)	Annual process N ₂ O emissions that is sold or transferred off site (subpart OO) ¹											
E - Adipic Acid Production	98.56(e)	Number of abatement technologies			X								
E - Adipic Acid Production	98.56(f)	Types of abatement technologies used			X								
E - Adipic Acid Production	98.56(i)	Number of times in the reporting year that missing data procedures were followed to measure adipic acid production									E		
E - Adipic Acid Production	98.56(j)(2)	Test method used for performance test for each unit							X				
E - Adipic Acid Production	98.56(j)(7)	Number of times in the reporting year that a performance test had to be repeated for each unit				X							
E - Adipic Acid Production	98.56(k)(1)	Name of alternative method for determining N ₂ O concentration (report if Administrator approval was requested for an alternative method of determining N ₂ O emissions)						E					
E - Adipic Acid Production	98.56(k)(2)	Description of alternative method for determining N ₂ O concentration (report if Administrator approval was requested for an alternative method of determining N ₂ O emissions)						E					
E - Adipic Acid Production	98.56(k)(3)	Request date of approval for alternative method for determining N ₂ O concentration (report if Administrator approval was requested for an alternative method of determining N ₂ O emissions)						E					
E - Adipic Acid Production	98.56(k)(4)	Approval date of alternative method of determining N ₂ O concentration (report if Administrator approval was requested for an alternative method of determining N ₂ O emissions)						E					
F - Aluminum Production	98.66(b)	Type of smelter technology used						E					
F - Aluminum Production	98.66(c)(1)	Perfluoromethane emissions from anode effects for all prebake and all Søderberg electrolysis cells combined.		E									
F - Aluminum Production	98.66(c)(1)	Perfluoroethane emissions from anode effects for all prebake and all Søderberg electrolysis cells combined.		E									
F - Aluminum Production	98.66(c)(3)	Last date when the smelter-specific-slope coefficients were measured							X				
F - Aluminum Production	98.66(c)(3)	Last date when the overvoltage emission factors were measured							X				
F - Aluminum Production	98.66(d)	Method used to measure the frequency and duration of anode effects							X				
F - Aluminum Production	98.66(d)	Method used to measure the overvoltage							X				
F - Aluminum Production	98.66(e)(1)	Annual anode consumption (CEMS)									C		
F - Aluminum Production	98.66(e)(2)	Annual CO ₂ emissions from the smelter		E									
F - Aluminum Production	98.66(f)(1)	Annual paste consumption (CEMS)									C		
F - Aluminum Production	98.66(f)(2)	Annual CO ₂ emissions from the smelter		E									
G - Ammonia Manufacturing	98.76(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹											
G - Ammonia Manufacturing	98.76(a)(1)	Annual quantity of each type of feedstock consumed for ammonia manufacturing									C		
G - Ammonia Manufacturing	98.76(a)(2)	Method used for determining quantity of feedstock (CEMS)							X				
G - Ammonia Manufacturing	98.76(b)(1)	Annual CO ₂ process emissions		E									
G - Ammonia Manufacturing	98.76(a) & (b)(1)	Annual CO ₂ process emissions (where all or part of the process CO ₂ generated is collected for use onsite or transfer offsite)				X							
G - Ammonia Manufacturing	98.76(b)(3)	Method used for determining quantity of monthly feedstock used (No CEMS)							X				

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Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
G - Ammonia Manufacturing	98.76(b)(4)	Indicate whether carbon content for the feedstock for month n is based on reports from the supplier or analysis of carbon content							X			
G - Ammonia Manufacturing	98.76(b)(5)	Carbon content test method for month n							X			
G - Ammonia Manufacturing	98.76(b)(6)	Sampling analysis results of carbon content of feedstock as determined from QA/QC of supplier data under 98.74(e)				C						
G - Ammonia Manufacturing	98.76(b)(12)	Annual urea production								C		
G - Ammonia Manufacturing	98.76(b)(12)	Method used to determine urea production							X			
G - Ammonia Manufacturing	98.76(b)(13)	CO ₂ from the steam reforming of a hydrocarbon or the gasification of solid and liquid raw material at the ammonia manufacturing process unit used to produce urea.								C		
G - Ammonia Manufacturing	98.76(b)(13)	Method used to determine the CO ₂ consumed in urea production.							X			
H - Cement Production	98.86(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹										
H - Cement Production	98.86(a)(1)	Monthly clinker production from each kiln at the facility (CEMS)								C		
H - Cement Production	98.86(a)(2)	Monthly cement production from each kiln at the facility								C		
H - Cement Production	98.86(a)(3)	Number of kilns (CEMS)			X							
H - Cement Production	98.86(a)(3)	Number of operating kilns (CEMS)				X						
H - Cement Production	98.86(b)(1)	Kiln identification number (No CEMS)	E									
H - Cement Production	98.86(b)(3)	Annual cement production from each kiln (No CEMS)								C		
H - Cement Production	98.86(b)(4)	Number of kilns (No CEMS)			X							
H - Cement Production	98.86(b)(4)	Number of operating kilns (No CEMS)				X						
H - Cement Production	98.86(b)(7)	Method used to determine non-calcined CaO in clinker							X			
H - Cement Production	98.86(b)(7)	Method used to determine non-calcined MgO in clinker							X			
H - Cement Production	98.86(b)(9)	Method used to determine non-calcined CaO in CKD							X			
H - Cement Production	98.86(b)(9)	Method used to determine non-calcined MgO in CKD							X			
H - Cement Production	98.86(b)(14)(i)	Number of times missing data procedures were used to determine clinker production									E	
H - Cement Production	98.86(b)(14)(ii)	Number of times missing data procedures were used to determine carbonate contents of clinker									E	
H - Cement Production	98.86(b)(14)(iii)	Number of times missing data procedures were used to determine non-calcined content of clinker									E	
H - Cement Production	98.86(b)(14)(iv)	Number of times missing data procedures were used to determine CKD not recycled to kiln									E	
H - Cement Production	98.86(b)(14)(v)	Number of times missing data procedures were used to determine non-calcined content of CKD									E	
H - Cement Production	98.86(b)(14)(vi)	Number of times missing data procedures were used to determine organic carbon contents of raw materials									E	
H - Cement Production	98.86(b)(14)(vii)	Number of times missing data procedures were used to determine raw material consumption									E	
H - Cement Production	98.86(b)(15)	Method used to determine the monthly clinker production from each kiln reported under (b)(2) of this section						E				
K- Ferroalloy Production	98.116(a)	Annual ferroalloy product production capacity			ND							
K- Ferroalloy Production	98.116(c)	Total number of EAFs used for production of ferroalloy products			X							
K- Ferroalloy Production	98.116(d)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹										

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			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
K- Ferroalloy Production	98.116(d)(1)	Annual process CO ₂ emissions from each EAF used for the production of any ferroalloy product identified in §98.110		E								
K- Ferroalloy Production	98.116(d)(2)	Annual process CH ₄ emissions from each EAF used for the production of any ferroalloy listed in Table K-1 (CEMS)		E								
K- Ferroalloy Production	98.116(d)(3)	Identification number of each EAF (CEMS)	E									
K- Ferroalloy Production	98.116(e)(1)	Annual process CO ₂ emissions from each EAF used for the production of any ferroalloy product identified in §98.110 (No CEMS)		E								
K- Ferroalloy Production	98.116(e)(2)	Annual process CH ₄ emissions from each EAF used for the production of any ferroalloy (No CEMS)		E								
K- Ferroalloy Production	98.116(e)(3)	Identification number of each EAF (No CEMS)	E									
K- Ferroalloy Production	98.116(e)(6)	Method used for the determination of carbon content (No CEMS)						X				
K- Ferroalloy Production	98.116(e)(7)	How monthly mass of carbon-containing inputs and outputs with missing data was determined									E	
K- Ferroalloy Production	98.116(e)(7)	Number of months the missing data procedures were used									E	
N - Glass Production	98.146(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹										
N - Glass Production	98.146(a)(1)	Annual quantity of carbonate based-raw material charged (CEMS) for each continuous glass melting furnace									C	
N - Glass Production	98.146(a)(1)	Annual quantity of carbonate based-raw material charged (CEMS) for all continuous glass melting furnaces combined									C	
N - Glass Production	98.146(a)(2)	Annual quantity of glass produced by each glass melting furnace								C		
N - Glass Production	98.146(a)(2)	Annual quantity of glass produced by all furnaces combined								C		
N - Glass Production	98.146(b)(1)	Annual process emissions of CO ₂ for each continuous glass melting furnace		E								
N - Glass Production	98.146(b)(1)	Annual process emissions of CO ₂ for all furnaces combined		E								
N - Glass Production	98.146(b)(2)	Annual quantity of carbonate based-raw material charged for all furnaces combined (No CEMS)									C	
N - Glass Production	98.146(b)(3)	Annual quantity of glass produced from each continuous glass melting furnace (No CEMS)								C		
N - Glass Production	98.146(b)(3)	Annual quantity of glass produced from all furnaces combined (No CEMS)								C		
N - Glass Production	98.146(b)(5)(i)	Date of all tests used to verify the carbonate-based mineral mass fraction charged to a furnace							X			
N - Glass Production	98.146(b)(5)(ii)	Method(s) and any variations of all tests used to verify the carbonate-based mineral mass fraction charged to a furnace							X			
N - Glass Production	98.146(b)(5)(iii)	Mass fraction of each sample analyzed for all tests used to verify the carbonate-based mineral mass fraction charged to a furnace				C						
N - Glass Production	98.146(b)(7)	Method used to determine the fraction of calcination							X			

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					Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations				
N - Glass Production	98.146(b)(8)	Total number of furnaces			X									
N - Glass Production	98.146(b)(9)	Number of times in the reporting year that missing data procedures were followed to measure monthly quantities of carbonate-based raw materials for any continuous glass melting furnace (months)										E		
N - Glass Production	98.146(b)(9)	Number of times in the reporting year that missing data procedures were followed to measure mass fraction of the carbonate-based minerals for any continuous glass melting furnace (months)										E		
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(1)	Annual mass of HCFC-22 produced								C				
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(3)	Annual mass of reactants fed into the process									C			
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(4)	Mass of materials other than HCFC-22 and HFC-23 that occur in more than trace concentrations and that are permanently removed from the process									C			
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	Method for tracking startups							X					
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	HFC-23 generation/emissions during startup		E										
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	HFC-23 generation/emissions during shutdowns		E										
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(5)	HFC-23 generation/emissions during malfunctions		E										
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	Names of facilities to which any HFC-23 was sent for destruction								C				
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	Addresses of facilities to which any HFC-23 was sent for destruction								C				
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(6)	Quantities of HFC-23 sent for destruction to other facilities by facility name and address								C				
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(11)	Annual mass of HFC-23 emitted		E										
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(12)	Annual mass of HFC-23 emitted from equipment leaks		E										
O- HCFC22 Production and HFC-23 Destruction	98.156(a)(13)	Annual mass of HFC-23 emitted from process vents		E										
O- HCFC22 Production and HFC-23 Destruction	98.156(b)(3)	Annual mass of HFC-23 emitted from the destruction device		E										

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Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
O- HCFC22 Production and HFC-23 Destruction	98.156(c)	Concentration (mass fraction) of HFC-23 measured at the outlet of the destruction device during the facility's annual HFC-23 concentration measurements at the outlet of the control.				X						
O- HCFC22 Production and HFC-23 Destruction	98.156(d)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), specify whether §98.154(l)(1) or §98.154(l)(2) has been used for the calculation.					E					
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(2)	(One time report) Methods used to determine destruction efficiency (by March 31, 2011 or within 60 days of commencing HFC-23 destruction)							X			
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(3)	(One time report) Methods used to record the mass of HFC-23 destroyed (by March 31, 2011 or within 60 days of commencing HFC-23 destruction)							X			
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(4)	(One time report) Name of other relevant federal or state regulations that may apply to the destruction process (by March 31, 2011 or within 60 days of commencing HFC-23 destruction)			X							
O- HCFC22 Production and HFC-23 Destruction	98.156(e)(5)	Changes to one time report (see data elements 98.156(e)(1) through (e)(4) for category assignments). ¹										
P - Hydrogen Production	98.166(a)(1)	If a CEMS is used to measure CO ₂ emissions, then you must report the relevant information required under §98.36 for the Tier 4 Calculation Methodology ¹										
P - Hydrogen Production	98.166(a)(1)	Unit identification number (CEMS)	E									
P - Hydrogen Production	98.166(a)(1)	Annual CO ₂ emissions (CEMS) (where all CO ₂ generated is emitted to the atmosphere)		E								
P - Hydrogen Production	98.166(a)(1)	Annual CO ₂ emissions (CEMS) (where a portion of CO ₂ generated is collected for use onsite or shipment offsite)				X						
P - Hydrogen Production	98.166(a)(2)	Annual quantity of hydrogen produced for each process unit (CEMS)								C		
P - Hydrogen Production	98.166(a)(2)	Annual quantity of hydrogen produced for all units combined (CEMS)								C		
P - Hydrogen Production	98.166(a)(3)	Annual quantity of ammonia produced for each process unit (CEMS)								C		
P - Hydrogen Production	98.166(a)(3)	Annual quantity of ammonia produced for all unit combined (CEMS)								C		
P - Hydrogen Production	98.166(b)(1)	Unit identification number (No CEMS)	E									
P - Hydrogen Production	98.166(b)(1)	Annual CO ₂ emissions (No CEMS) (where all CO ₂ generated is emitted to the atmosphere)		E								
P - Hydrogen Production	98.166(b)(1)	Annual CO ₂ emissions (No CEMS) (where a portion of CO ₂ generated is collected for use onsite or shipment offsite)				X						
P - Hydrogen Production	98.166(b)(3)	Annual quantity of hydrogen produced (No CEMS)								C		
P - Hydrogen Production	98.166(b)(4)	Annual quantity of ammonia produced (No CEMS)								C		
P - Hydrogen Production	98.166(c)	Quantity of CO ₂ collected and transferred off site in either gas, liquid, or solid forms, following the requirements of subpart PP ¹										
P - Hydrogen Production	98.166(d)	Annual quantity of carbon other than CO ₂ collected and transferred off site								C		
Q - Iron and Steel Production	98.176(a)	Unit identification number	E									
Q - Iron and Steel Production	98.176(a)	Annual CO ₂ emissions		E								
Q - Iron and Steel Production	98.176(b)	Annual quantity taconite pellets, coke, sinter, iron, and raw steel (CEMS)								C		
Q - Iron and Steel Production	98.176(c)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹										

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			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
Q - Iron and Steel Production	98.176(d)	Method used (i.e., carbon mass balance or site-specific emission factor method)					E					
Q - Iron and Steel Production	98.176(e)(2)	Whether the carbon content was determined from information from the supplier or by laboratory analysis (No CEMS)							X			
Q - Iron and Steel Production	98.176(e)(2)	Method used to determine carbon content (laboratory analysis) (No CEMS)							X			
Q - Iron and Steel Production	98.176(e)(5)	How the monthly mass for each process input or output with missing data was determined (No CEMS)							X			
Q - Iron and Steel Production	98.176(e)(5)	Number of months the missing data procedures were used (No CEMS)									E	
Q - Iron and Steel Production	98.176(h)	For flares burning coke oven gas or blast furnace gas, the information specified in §98.256(e) of subpart Y (Petroleum Refineries) of this part. ¹										
R - Lead Production	98.186(a)	Relevant information required to be reported under §98.36 ¹										
R - Lead Production	98.186(a)(1)	Identification number of each smelting furnace (CEMS)	E									
R - Lead Production	98.186(a)(2)	Annual lead product production capacity (CEMS)			ND							
R - Lead Production	98.186(a)(3)	Annual production for each product (CEMS)							C			
R - Lead Production	98.186(a)(4)	Total number of smelting furnaces at facility used for lead production (CEMS)			X							
R - Lead Production	98.186(b)(1)	Identification number of each smelting furnace (No CEMS)	E									
R - Lead Production	98.186(b)(2)	Annual process CO2 emissions from each smelting furnaces (No CEMS)		E								
R - Lead Production	98.186(b)(3)	Annual lead product production capacity for the facility (No CEMS)			ND							
R - Lead Production	98.186(b)(3)	Annual lead product production capacity for each smelting furnace (No CEMS)			ND							
R - Lead Production	98.186(b)(4)	Annual production for each product (No CEMS)							C			
R - Lead Production	98.186(b)(5)	Total number of smelting furnaces at facility used for production of lead products (No CEMS)			X							
R - Lead Production	98.186(b)(8)	Method used to determine the carbon content of each material (No CEMS)							X			
R - Lead Production	98.186(b)(9)	How the monthly mass of carbon-containing materials with missing data was determined							X			
R - Lead Production	98.186(b)(9)	Number of months the missing data procedures were used									E	
S - Lime Manufacturing	98.196(a)	Relevant information required to be reported under §98.36 ¹										
S - Lime Manufacturing	98.196(a)(1)	Method used to determine the quantity of lime that is produced and sold (CEMS)							X			
S - Lime Manufacturing	98.196(a)(2)	Method used to determine the quantity of calcined lime byproduct/waste sold. (CEMS)							X			
S - Lime Manufacturing	98.196(a)(3)	Beginning of year inventories for lime product that is produced, by type. (CEMS)								C		
S - Lime Manufacturing	98.196(a)(3)	End of year inventories for lime product that is produced, by type. (CEMS)								C		
S - Lime Manufacturing	98.196(a)(4)	Beginning of year inventories for calcined lime byproducts/wastes sold, by type. (CEMS)								C		
S - Lime Manufacturing	98.196(a)(4)	End of year inventories for calcined lime byproducts/wastes sold, by type (CEMS)								C		
S - Lime Manufacturing	98.196(a)(5)	Annual amount of calcined lime byproduct/waste sold, by type (CEMS)								C		
S - Lime Manufacturing	98.196(a)(6)	Annual amount of lime product sold (CEMS)								C		

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations		
S - Lime Manufacturing	98.196(a)(7)	Annual amount of lime byproduct/waste not sold (CEMS)								C			
S - Lime Manufacturing	98.196(a)(8)	Annual amount of lime product not sold (CEMS)								C			
S - Lime Manufacturing	98.196(b)(1)	Annual CO ₂ process emissions from all kilns combined (No CEMS)		E									
S - Lime Manufacturing	98.196(a) & (b)(1)	Annual CO ₂ process emissions from all kilns combined (where all or a portion of the CO ₂ generated is collected for onsite use or shipment offsite)				X							
S - Lime Manufacturing	98.196(b)(4)	Standard method used (ASTM or NLA testing method) to determine chemical compositions of each lime type produced (No CEMS)							X				
S - Lime Manufacturing	98.196(b)(4)	Standard method used (ASTM or NLA testing method) to determine chemical compositions of each calcined lime byproduct/waste type. (No CEMS)							X				
S - Lime Manufacturing	98.196(b)(7)	Method used to determine the quantity of calcined lime produced and/or lime sold (No CEMS)							X				
S - Lime Manufacturing	98.196(b)(9)	Method used to determine the quantity of calcined lime byproduct/waste sold (No CEMS)							X				
S - Lime Manufacturing	98.196(b)(13)	Beginning of year inventories for each lime product that is produced (No CEMS)								C			
S - Lime Manufacturing	98.196(b)(13)	End of year inventories for each lime product that is produced (No CEMS)								C			
S - Lime Manufacturing	98.196(b)(14)	Beginning of year inventories for each calcined lime byproduct/waste sold. (No CEMS)								C			
S - Lime Manufacturing	98.196(b)(14)	End of year inventories for each calcined lime byproduct/waste sold (No CEMS)								C			
S - Lime Manufacturing	98.196(b)(15)	Annual lime production capacity			ND								
S - Lime Manufacturing	98.196(b)(16)	Number of times in the reporting year that missing data procedures were followed to measure lime production										E	
S - Lime Manufacturing	98.196(b)(16)	Number of times in the reporting year that missing data procedures were followed to measure the chemical composition of lime products sold										E	
S - Lime Manufacturing	98.196(b)(17)	Indicate whether CO ₂ was used on-site				X							
S - Lime Manufacturing	98.196(b)(17)(i)	Annual amount of CO ₂ captured for use in the on-site process								C			
S - Lime Manufacturing	98.196(b)(17)(ii)	Method used to determine the amount of CO ₂ captured							X				
T - Magnesium Production	98.206(a)	Emissions of each cover or carrier gas in metric tons		E									
T - Magnesium Production	98.206(b)	Types of production processes at the facility (e.g., primary, secondary, die casting).			X								
T - Magnesium Production	98.206(c)	Amount of magnesium produced or processed for each process type (in metric tons).								C			
T - Magnesium Production	98.206(d)	Cover gas flow rate for each production unit								C			
T - Magnesium Production	98.206(d)	Cover gas composition (in % by volume)								C			
T - Magnesium Production	98.206(d)	Carrier gas flow rate for each production unit								C			
T - Magnesium Production	98.206(d)	Carrier gas composition (in % by volume)								C			
T - Magnesium Production	98.206(e)	Report the length of time data is missing for each cover gas or carrier gas										E	
T - Magnesium Production	98.206(e)	Method used to estimate emissions when data is missing						E					
T - Magnesium Production	98.206(e)	Estimated GHG emissions during periods when data is missing		E									
T - Magnesium Production	98.206(f)	Annual cover gas usage rate for the facility for each cover gas, excluding carrier gas								C			
T - Magnesium Production	98.206(g)	Explanation of any change greater than 30% in the facility's cover gas usage rate				C							
T - Magnesium Production	98.206(h)	Description of any new melt protection technologies adopted to account for reduced or increased GHG emissions in any given year.			X								

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U - Miscellaneous Uses of Carbonate	98.216(a)	Annual CO ₂ emissions from miscellaneous carbonate use		E								
U - Miscellaneous Uses of Carbonate	98.216(c)	Measurement method used to determine the mass of carbonate							X			
U - Miscellaneous Uses of Carbonate	98.216(d)	Method used to calculate emissions						E				
U - Miscellaneous Uses of Carbonate	98.216(e)(3)	Method used to determine the calcination fraction							X			
U - Miscellaneous Uses of Carbonate	98.216(g)	Number of times in the reporting year that missing data procedures were followed to measure carbonate consumption									E	
U - Miscellaneous Uses of Carbonate	98.216(g)	Number of times in the reporting year that missing data procedures were followed to measure carbonate input									E	
U - Miscellaneous Uses of Carbonate	98.216(g)	Number of times in the reporting year that missing data procedures were followed to measure carbonate output									E	
V - Nitric Acid Production	98.226(a)	Train identification number	E									
V - Nitric Acid Production	98.226(b)	Annual process N ₂ O emissions from nitric acid train (metric tons)		E								
V - Nitric Acid Production	98.226(e)	Annual nitric acid production from the nitric acid facility								C		
V - Nitric Acid Production	98.226(f)	Number of nitric acid trains			X							
V - Nitric Acid Production	98.226(g)	Number of different N ₂ O abatement technologies per nitric acid train "t"			X							
V - Nitric Acid Production	98.226(h)	Abatement technologies used			X							
V - Nitric Acid Production	98.226(k)	Type of nitric acid process			ND							
V - Nitric Acid Production	98.226(l)	Number of times in the reporting year that missing data procedures were followed to measure nitric acid production									E	
V - Nitric Acid Production	98.226(m)(2)	Test method used for performance test for each train							X			
V - Nitric Acid Production	98.226(m)(7)	Number of times in the reporting year that a performance test had to be repeated each train.				X						
V - Nitric Acid Production	98.226(n)(1)	If you requested Administrator approval for an alternative method of determining N ₂ O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Name of alternative method.						E				
V - Nitric Acid Production	98.226(n)(2)	If you requested Administrator approval for an alternative method of determining N ₂ O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Description of alternative method.						E				
V - Nitric Acid Production	98.226(n)(3)	If you requested Administrator approval for an alternative method of determining N ₂ O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Request date						E				

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			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
V - Nitric Acid Production	98.226(n)(4)	If you requested Administrator approval for an alternative method of determining N ₂ O emissions under § 98.223(a)(2), each annual report must also contain the information specified in paragraphs (n)(1) through (n)(4) of this section for each nitric acid production facility: Approval date.					E					
X- Petrochemical Production	98.246(a)(1)	Petrochemical process unit ID number or other appropriate descriptor (No CEMS)	E									
X- Petrochemical Production	98.246(a)(2)	Type of petrochemical produced (No CEMS)								C		
X- Petrochemical Production	98.246(a)(2)	Names of other products								C		
X- Petrochemical Production	98.246(a)(2)	Names of carbon-containing feedstocks									C	
X- Petrochemical Production	98.246(a)(3)	Annual CO ₂ emissions		E								
X- Petrochemical Production	98.246(a)(4)	Temperature at which gaseous feedstock and product volumes used in Equation X-1 were determined.					E					
X- Petrochemical Production	98.246(a)(5)	Annual quantity of petrochemicals produced								C		
X- Petrochemical Production	98.246(a)(6)	Name of each method listed in §98.244 used to determine a measured parameter (or description of manufacturer's recommended method)							X			
X- Petrochemical Production	98.246(a)(8)	Identification of combustion units that burned both process off-gas and supplemental fuel	E									
X- Petrochemical Production	98.246(a)(9)	Amount of time during which off-specification product was produced								C		
X- Petrochemical Production	98.246(a)(9)	Volume or mass of off-specification product produced								C		
X- Petrochemical Production	98.246(a)(9)	Date of any process change that reduced the composition to less than 99.5 percent								C		
X- Petrochemical Production	98.246(a)(10)	Flow and carbon content of wastewater (Optional)								C		
X- Petrochemical Production	98.246(a)(10)	Annual mass of carbon released in fugitive emissions (Optional)		E								
X- Petrochemical Production	98.246(a)(10)	Annual mass of carbon released in process vents that are not controlled with a combustion device (Optional)		E								
X- Petrochemical Production	98.246(a)(11)(ii)	If you determine carbon content or composition of a feedstock or product using method in §98.244 (b) (4) (xii), (iv) or (xv): report the name and title of the method used (include in each annual report).							X			
X- Petrochemical Production	98.246(a)(11)(ii)	If you determine carbon content or composition of a feedstock or product using method in §98.244 (b) (4) (xii), (iv) or (xv): provide a copy of the method (include in first annual report and in subsequent annual report if changes are made).							X			
X- Petrochemical Production	98.246(a)(11)(iii)	If you determine carbon content or composition of a feedstock or product using method in §98.244 (b) (4) (xii), (iv) or (xv): provide an explanation of why alternative is needed (include in first annual report and in subsequent annual report if changes are made).							X			
X- Petrochemical Production	98.246(b)(1)	If measure emissions in accordance with 98.243(b): report the petrochemical process unit ID or other appropriate descriptor.	E									

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X-Petrochemical Production	98.246(b)(1)	If measure emissions in accordance with 98.243(b): report the type of petrochemical produced									C		
X-Petrochemical Production	98.246(b)(2)	If measure emissions in accordance with 98.243(b) and CEMS is used on stacks for stationary combustion units: report the information required under §98.36 for the Tier 4 calculation methodology. Section §98.36 (b)(9)(iii) does not apply for this subpart. ¹											
X-Petrochemical Production	98.246(b)(3)	For CEMS used on stacks that are not used for stationary combustion units: report the information specified under §98.36(e)(2)(vi) ¹											
X-Petrochemical Production	98.246(b)(4)	CO ₂ emissions from stacks that handle process vent emissions and emissions from stationary combustion units that burn process off-gas for the petrochemical process units.		E									
X-Petrochemical Production	98.246(b)(4)	For each stationary combustion unit or group of units monitored with a single CEMS: report an estimate of the fraction of total emissions attributable to combustion of off-gas from process units		E									
X-Petrochemical Production	98.246(b)(5)(i)	For stationary combustion units that burn process off-gas from the petrochemical process unit: CH ₄ and N ₂ O emissions from each stack that is monitored with a CO ₂ CEMS expressed in metric tons of each gas.		E									
X-Petrochemical Production	98.246(b)(5)(i)	For stationary combustion units that burn process off-gas from the petrochemical process unit: CH ₄ and N ₂ O emissions from each stack that is monitored with a CO ₂ CEMS expressed in metric tons of CO ₂ e.		E									
X-Petrochemical Production	98.246(b)(5)(i)	For stationary combustion units that burn process off-gas from the petrochemical process unit: provide an estimate based on engineering judgment of the fraction of the total emissions attributable to combustion of off-gas from petrochemical process unit for each stack.		E									
X-Petrochemical Production	98.246(b)(5)(ii)	For stationary combustion units that burn process off-gas from the petrochemical process unit: report the combined CH ₄ and N ₂ O emissions from all stationary combustion units, expressed in metric tons of gas.		E									
X-Petrochemical Production	98.246(b)(5)(ii)	For stationary combustion units that burn process off-gas from the petrochemical process unit: report the combined CH ₄ and N ₂ O emissions from all stationary combustion units, expressed in metric tons of CO ₂ e.		E									
X-Petrochemical Production	98.246(b)(6)	ID or other appropriate descriptor of stationary combustion units that burns process off-gas	E										
X-Petrochemical Production	98.246(b)(7)	Data reporting requirements specified in §98.256(e) of subpart Y for flares that burn process off-gas ¹											
X-Petrochemical Production	98.246(b)(8)	Annual quantity of petrochemicals produced (CEMS)								C			
X-Petrochemical Production	98.246(c)(1)	If you comply with the combustion methodology specified in §98.243(d): report the ethylene process unit ID	E										
X-Petrochemical Production	98.246(c)(2)	If you comply with the combustion methodology specified in §98.243(d): for each stationary combustion unit that burns ethylene process off-gas (or group of units (as applicable) that burns ethylene process off-gas), except flares, report the relevant information listed in §98.36 for the applicable Tier methodology. ¹											
X-Petrochemical Production	98.246(c)(2)	Estimate of the fraction of total emissions attributable to combustion of off-gas from the ethylene process unit.		E									
X-Petrochemical Production	98.246(c)(3)	Data reporting requirements specified in §98.256(e) of subpart Y for flares that burn ethylene process off-gas											
X-Petrochemical Production	98.246(c)(4)	If you comply with the combustion methodology specified in §98.243(d): report the name of each feedstock.									C		
X-Petrochemical Production	98.246(c)(4)	If you comply with the combustion methodology specified in §98.243(d): report the annual quantity of feedstocks.									C		

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X- Petrochemical Production	98.246(c)(5)	If you comply with the combustion methodology specified in §98.243(d): report the quantity of ethylene produced from each process unit.									C	
Y - Petroleum Refineries	98.256(a)	Data reporting requirements under Subpart C ¹										
Y - Petroleum Refineries	98.256(b)	Data reporting requirements under Subpart P ¹										
Y - Petroleum Refineries	98.256(e)(1)	Flare ID number	E									
Y - Petroleum Refineries	98.256(e)(2)	Description of the type of flare			X							
Y - Petroleum Refineries	98.256(e)(3)	Description of the flare service				X						
Y - Petroleum Refineries	98.256(e)(4)	Calculated CO ₂ annual emissions		E								
Y - Petroleum Refineries	98.256(e)(4)	Calculated CH ₄ annual emissions		E								
Y - Petroleum Refineries	98.256(e)(4)	Calculated N ₂ O annual emissions		E								
Y - Petroleum Refineries	98.256(e)(5)	Description of the method used to calculate the CO ₂ emissions						E				
Y - Petroleum Refineries	98.256(e)(6)	Annual volume of flare gas combusted				X						
Y - Petroleum Refineries	98.256(e)(6)	Annual average molecular weight of the flare gas				X						
Y - Petroleum Refineries	98.256(e)(6)	If using Equation Y-1a: Report the annual average Carbon content of the flare gas for each flare.				X						
Y - Petroleum Refineries	98.256(e)(6)	If using Equation Y-1a: indicate whether daily or weekly measurement periods are used for each flare						E				
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: indicate whether daily or weekly measurement periods are used for each flare.						E				
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report annual volume of flare gas combusted for each flare.				X						
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report annual average CO ₂ concentration for each flare				X						
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report the number of carbon containing compounds other than CO ₂ in each flare gas stream				X						
Y - Petroleum Refineries	98.256(e)(7)(i)	If using Equation Y-1b: report the annual average concentration of carbon containing compound other than CO ₂ in the flare gas stream for each flare.				X						
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: Annual volume of flare gas combusted				X						
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: Annual average higher heating value of the flare gas				X						
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: indicate whether daily or weekly measurement periods are used for each flare.						E				
Y - Petroleum Refineries	98.256(e)(8)	Indicate whether the annual volume of flare gas combusted and the annual average higher heating value of the flare gas were determined using standard conditions of 68 °F and 14.7 psia or 60 °F and 14.7 psia						E				
Y - Petroleum Refineries	98.256(e)(9)	Number of SSM events exceeding 500,000 scf/day				X						
Y - Petroleum Refineries	98.256(e)(10)	Basis for the value of the fraction of carbon in the flare gas contributed by methane (used in Equation Y-4) (i.e., select from Daily or more often measurements; Weekly measurements; Periodic (less frequent than weekly) measurements; One-time measurement; Engineering estimate; default (0.4); Other (specify, <200 characters))							X			
Y - Petroleum Refineries	98.256(f)(1)	Unit ID number	E									
Y - Petroleum Refineries	98.256(f)(2)	Description of the type of unit			X							
Y - Petroleum Refineries	98.256(f)(3)	Maximum rated throughput of the unit			ND							
Y - Petroleum Refineries	98.256(f)(4)	Calculated CO ₂ annual emissions		E								
Y - Petroleum Refineries	98.256(f)(4)	Calculated CH ₄ annual emissions		E								

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Subpart	Reporting Section	Final Data Element	Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Category						Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BAMM Extension Requests
							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations				
Y - Petroleum Refineries	98.256(f)(4)	Calculated N ₂ O annual emissions		E										
Y - Petroleum Refineries	98.256(f)(5)	Description of the method used to calculate the CO ₂ emissions					E							
Y - Petroleum Refineries	98.256(f)(6)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹												
Y - Petroleum Refineries	98.256(f)(6)	If CEMS are used: report the CO ₂ annual emissions as measured by the CEMS (unadjusted to remove CO ₂ combustion emissions association with additional units (if present).		E										
Y - Petroleum Refineries	98.256(f)(6)	Process CO ₂ emissions		E										
Y - Petroleum Refineries	98.256(f)(6)	If CEMS is used: CO ₂ annual emissions associated with sources other than those from the coke burn-off in the applicable subpart (e.g., subpart C in the case of a CO boiler)		E										
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: Annual average exhaust gas flow rate				ND								
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: annual average %CO ₂				ND								
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: Annual average %CO				ND								
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average flow rate of inlet air				C								
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average flow rate of oxygen-enriched air				C								
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %O ₂				ND								
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %O ₂				C								
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %CO ₂				ND								
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %CO				ND								
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average flow rate of inlet air				C								
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average flow rate of oxygen-enriched air				C								
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report annual average %N ₂ , oxy				C								
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average %N ₂ , exhaust				ND								
Y - Petroleum Refineries	98.256(f)(10)	Basis for the average carbon content of coke (i.e., select one of the following Weekly or more often measurements; Periodic (less frequent than weekly) measurements; One-time measurement; Engineering estimate; default (0.94))							X					
Y - Petroleum Refineries	98.256(f)(11)	Indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for CH ₄ emissions					E							
Y - Petroleum Refineries	98.256(f)(11)	Basis for the unit-specific CH ₄ emission factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility)							X					
Y - Petroleum Refineries	98.256(f)(12)	Indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for N ₂ O emissions					E							
Y - Petroleum Refineries	98.256(f)(12)	Basis for the unit-specific N ₂ O emission factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility)							X					
Y - Petroleum Refineries	98.256(f)(13)	If Equation Y-11 is used: report the number of regeneration cycles or measurement periods during the reporting year for each catalytic cracking unit, traditional fluid coking unit, and catalytic reforming unit				C								
Y - Petroleum Refineries	98.256(f)(13)	If Equation Y-11 is used: report the average coke burn-off quantity per cycle or measurement period for each catalytic cracking unit, traditional fluid coking unit, and catalytic reforming unit				C								
Y - Petroleum Refineries	98.256(g)(1)	Unit ID number for flexicoking unit	E											

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Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
Y - Petroleum Refineries	98.256(g)(2)	Description of the type of flexicoking unit			X							
Y - Petroleum Refineries	98.256(g)(3)	Maximum rated throughput of the flexicoking unit.						E				
Y - Petroleum Refineries	98.256(g)(4)	Indicate whether the GHG emissions from the low heat value gas are accounted for in Subpart C of this part or §98.253(c)						E				
Y - Petroleum Refineries	98.256(g)(5)	Annual CO ₂ emissions for flexicoking unit		E								
Y - Petroleum Refineries	98.256(g)(5)	Annual CH ₄ emissions for flexicoking unit		E								
Y - Petroleum Refineries	98.256(g)(5)	Annual N ₂ O emissions for flexicoking unit		E								
Y - Petroleum Refineries	98.256(g)(5)	Report the applicable information required by 98.256(f)(7) through (f)(13) (see above for CBI status)										
Y - Petroleum Refineries	98.256(h)(1)	Plant ID number for sulfur recovery plant	E									
Y - Petroleum Refineries	98.256(h)(2)	Maximum rated throughput of sulfur recovery plant			ND							
Y - Petroleum Refineries	98.256(h)(2)	Description of the type of sulfur recovery plant for each independent sulfur recovery plant			X							
Y - Petroleum Refineries	98.256(h)(2)	Indication of the method used to calculate CO ₂ annual emissions (i.e., CEMS, Equation Y-12, or process vent method in 98.253(j)) (for each independent sulfur recovery plant)						E				
Y - Petroleum Refineries	98.256(h)(3)	Calculated CO ₂ annual emissions from sulfur recovery plant		E								
Y - Petroleum Refineries	98.256(h)(3)	Calculated annual CO ₂ emissions from sour gas sent off-site for sulfur recovery		E								
Y - Petroleum Refineries	98.256(h)(5)	Indicate whether the recycled flow rate and carbon content are included in the measured data						E				
Y - Petroleum Refineries	98.256(h)(5)	Indicate whether a correction for CO ₂ emissions in the tail gas was used in Equation Y-12						E				
Y - Petroleum Refineries	98.256(h)(5)	Annual volume of recycled tail gas (if not used to calculate recycling correction factor)				C						
Y - Petroleum Refineries	98.256(h)(5)	Annual average mole fraction of carbon in the tail gas (if not used to calculate recycling correction factor)				C						
Y - Petroleum Refineries	98.256(h)(5)	Indicate whether you used the default (95%) or a unit specific correction						E				
Y - Petroleum Refineries	98.256(h)(5)	Approach used to calculate unit specific correction.						E				
Y - Petroleum Refineries	98.256(h)(6)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹										
Y - Petroleum Refineries	98.256(h)(6)	CO ₂ annual emissions as measured by the CEMS		E								
Y - Petroleum Refineries	98.256(h)(6)	Annual process CO ₂ emissions		E								
Y - Petroleum Refineries	98.265(h)(6)	Annual CO ₂ emissions associated with fuel combustion reporting requirement under subpart C ¹										
Y - Petroleum Refineries	98.256(h)(7)	If you use the process vent method in 98.253(j): report the relevant information required under paragraph 98.256(l)(5) ¹										
Y - Petroleum Refineries	98.256(h)(7)	If you use the process vent method in 98.253(j): report the measurement or estimation method						E				
Y - Petroleum Refineries	98.256(h)(7)	If you use the process vent method in 98.253(j): Relevant information required under paragraph (l) (5) ¹										
Y - Petroleum Refineries	98.256(i)(1)	Unit ID number for each coke calcining unit	E									
Y - Petroleum Refineries	98.256(i)(2)	Maximum rated throughput of each coke calcining unit			ND							
Y - Petroleum Refineries	98.256(i)(3)	CO ₂ annual emissions for each coke calcining unit		E								
Y - Petroleum Refineries	98.256(i)(3)	CH ₄ annual emissions for each coke calcining unit		E								
Y - Petroleum Refineries	98.256(i)(3)	N ₂ O annual emissions for each coke calcining unit		E								

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Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
Y - Petroleum Refineries	98.256(i)(4)	Description of the method used to calculate the CO ₂ emissions for each coke calcining unit					E					
Y - Petroleum Refineries	98.256(i)(5)	If Equation Y-13 used for coke calcining units: Indicate whether coke dust is recycled to the unit				X						
Y - Petroleum Refineries	98.256(i)(6)	If you use CEMS to measure emissions from coke calcining, report the Tier 4 Calculation Methodology reporting requirements specified under §98.36(e)(2)(vi) ¹										
Y - Petroleum Refineries	98.256(i)(6)	CO ₂ annual emissions as measured by the CEMS for coke calcining		E								
Y - Petroleum Refineries	98.256(i)(6)	Annual process CO ₂ emissions for coke calcining		E								
Y - Petroleum Refineries	98.256(i)(6)	Annual CO ₂ emissions associated with fuel combustion reporting requirement under subpart C ¹										
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining: Indicate whether you use a measured value, a unit-specific emission factor, or a default emission factor for CH ₄ emissions					E					
Y - Petroleum Refineries	98.256(i)(7)	For coke calcining: Basis for the unit-specific CH ₄ emission factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility)						X				
Y - Petroleum Refineries	98.256(i)(8)	For coke calcining units: indicate whether a measured value or a unit specific or a default emission factor was used for N ₂ O emissions					E					
Y - Petroleum Refineries	98.256(i)(8)	If a unit specific emission factor was used: report the basis for the unit specific factor (i.e., select from Average of multiple source tests; Single source test within last 5 years; Single source test more than 5 years ago; Source test of identical unit at same facility).						X				
Y - Petroleum Refineries	98.256(j)(1)	Unit ID number for each asphalt blowing unit	E									
Y - Petroleum Refineries	98.256(j)(3)	Type of control device used to reduce methane for each asphalt blowing unit			X							
Y - Petroleum Refineries	98.256(j)(4)	Annual CO ₂ emissions for each asphalt blowing unit		E								
Y - Petroleum Refineries	98.256(j)(4)	Annual CH ₄ emissions for each asphalt blowing unit		E								
Y - Petroleum Refineries	98.256(j)(5)	Asphalt blowing: Basis for the CO ₂ emission factor (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)						X				
Y - Petroleum Refineries	98.256(j)(6)	Asphalt blowing: Basis for the CH ₄ emission factor (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)						X				
Y - Petroleum Refineries	98.256(j)(7)	If Equation Y-16 is used: report the basis for the carbon emission factor (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)						X				
Y - Petroleum Refineries	98.256(j)(8)	If Equation Y-16b is used: report the basis for the CO ₂ emission factor						X				
Y - Petroleum Refineries	98.256(j)(8)	If Equation Y-16b is used: report the basis for the carbon emission factor						X				
Y - Petroleum Refineries	98.256(j)(9)	If you use Eq. Y-9: Basis for the CH ₄ emission factor (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)						X				
Y - Petroleum Refineries	98.256(k)(1)	For delayed coking units: report the cumulative annual CH ₄ emissions for all delayed coking Units at the facility (in metric tons of each pollutant emitted CH ₄)		E								
Y - Petroleum Refineries	98.256(k)(2)	For delayed coking units: Description of the method used to calculate the CH ₄ emissions					E					
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Total number of delayed coking units			X							
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Total number of delayed coking drums or vessels			C							
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Typical drum outage of coke drum or vessel			C							

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Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: Number of coking drums in the set			C									
Y - Petroleum Refineries	98.256(k)(5)	For delayed coking units: Basis of the volumetric void fraction of the coke vessel prior to steaming							X					
Y - Petroleum Refineries	98.256(k)(5)	For delayed coking units: Basis of the mole fraction of methane in the coking gas.							X					
Y - Petroleum Refineries	98.256(l)(1)	For each process vents: Vent ID number	E											
Y - Petroleum Refineries	98.256(l)(2)	For each process vents: Unit or operation associated with the emissions			X									
Y - Petroleum Refineries	98.256(l)(3)	For each process vents: Type of control device used to reduce CH ₄ emissions from the unit			X									
Y - Petroleum Refineries	98.256(l)(4)	For each process vents: Calculated annual CO ₂ emissions		E										
Y - Petroleum Refineries	98.256(l)(4)	For each process vents: Calculated annual CH ₄ emissions		E										
Y - Petroleum Refineries	98.256(l)(4)	For each process vents: Calculated annual N ₂ O emissions		E										
Y - Petroleum Refineries	98.256(l)(5)	For each process vents: Annual volumetric flow discharged to the atmosphere		E										
Y - Petroleum Refineries	98.256(l)(5)	For each process vent: Indication of the measurement or estimation method used for measuring volumetric flow discharge							X					
Y - Petroleum Refineries	98.256(l)(5)	For each process vents: Annual average mole fraction of each GHG above the concentration threshold or otherwise required to be reported		E										
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Number of venting events				X								
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Cumulative venting time				X								
Y - Petroleum Refineries	98.256(l)(5)	For each process vent: Indication of the measurement or estimation method used for measuring average mole fraction of each GHG							X					
Y - Petroleum Refineries	98.256(m)(1)	Indication of whether the uncontrolled blowdown emissions are reported under 98.253(k) or (j) or a statement that the facility does not have any uncontrolled blowdown systems						E						
Y - Petroleum Refineries	98.256(m)(2)	For uncontrolled blowdown systems: Cumulative annual CH ₄ emissions (in metric tons of CH ₄)		E										
Y - Petroleum Refineries	98.256(m)(3)	Uncontrolled blowdown systems reporting under 98.253 (k): Basis for the CH ₄ emission factor used (i.e., select from Weekly or more often measurements; Periodic (less frequent than weekly) measurements; Average of multiple source tests; One-time source test; Default factor)							X					
Y - Petroleum Refineries	98.256(m)(4)	Uncontrolled blowdown systems reporting under 98.253 (j): Relevant information required under paragraph (l) (5) ¹												
Y - Petroleum Refineries	98.256(n)(1)	For equipment leaks: Cumulative CH ₄ emissions		E										
Y - Petroleum Refineries	98.256(n)(2)	For equipment leaks: Method used to calculate the reported equipment leak emissions						E						
Y - Petroleum Refineries	98.256(o)(1)	For all storage tanks: report the cumulative annual CH ₄ emissions (in metric tons of each pollutant emitted CH ₄) for all storage tanks except for those used to process unstabilized crude oil.		E										
Y - Petroleum Refineries	98.256(o)(2)(i)	Method used to calculate the reported storage tank emissions for storage tanks other than those processing unstabilized crude (e.g., Section 7.1 of the AP-42: "Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources" (incorporated by reference, see 98.7), TANKS Emissions Estimation Software, Version 4.09D (http://www.epa.gov/ttnchie1/software/tanks/); the alternative similar software program; if used; or Equation Y-22 of this section).						E						
Y - Petroleum Refineries	98.256(o)(3)	Cumulative annual CH ₄ emissions (in metric tons of CH ₄)		E										
Y - Petroleum Refineries	98.256(o)(3)	A statement that the facility did not receive any unstabilized crude oil									C			
Y - Petroleum Refineries	98.256(o)(4)(i)	For storage tanks that process unstabilized crude oil: Method used to calculate the reported unstabilized crude oil storage tank emissions						E						

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
Y - Petroleum Refineries	98.256(o)(4)(vi) (98.256(o)(6))	For storage tanks that process unstabilized crude oil: Basis for the mole fraction of CH ₄ in the vent gas from the unstabilized crude oil storage tank (i.e., Measurement of methane composition; Engineering estimate of methane composition based on crude composition; Default)							X			
Y - Petroleum Refineries	98.256(o)(5)	Method used to calculate the reported storage tank emissions for storage tanks processing unstabilized crude oil					E					
Y - Petroleum Refineries	98.256(p)(1)	For loading operations: Cumulative annual CH ₄ emissions		E								
Y - Petroleum Refineries	98.256(p)(2)	For loading operations: Types of materials loaded by vessel type that have an equilibrium vapor-phase concentration of CH ₄ of 0.5 volume percent or greater				C						
Y - Petroleum Refineries	98.256(p)(2)	For loading operations: Type of vessels in which material that has an equilibrium vapor-phase concentration of CH ₄ of 0.5 volume percent or greater is loaded				X						
Y - Petroleum Refineries	98.256(p)(3)	For loading operations: Type of control system used to reduce emissions from the loading of material with an equilibrium vapor-phase concentration of methane of 0.5 volume percent or greater			X							
Y - Petroleum Refineries	98.256(q)	For loading operations: Name of each method listed in §98.254 or a description of manufacturer's recommended method used to determine a measured parameter						X				
Z - Phosphoric Acid Production	98.266(a)	Annual phosphoric acid production by origin of the phosphate rock								C		
Z - Phosphoric Acid Production	98.266(b)	Annual phosphoric acid permitted production capacity			ND							
Z - Phosphoric Acid Production	98.266(c)	Annual arithmetic average percent inorganic carbon or carbon dioxide in phosphate rock from monthly records (percent by weight, expressed as a decimal fraction)								C		
Z - Phosphoric Acid Production	98.266(d)	Annual phosphate rock consumption from monthly measurement records by origin								C		
Z - Phosphoric Acid Production	98.266(e)(1)	Identification number (CEMS)	E									
Z - Phosphoric Acid Production	98.266(e)(2)	Annual CO ₂ emissions (CEMS)		E								
Z - Phosphoric Acid Production	98.266(e)(2)	Tier 4 Calculation Methodology reporting requirements specified under §98.36(e)(2)(vi) ¹										
Z - Phosphoric Acid Production	98.266(f)(1)	Identification number (No CEMS)	E									
Z - Phosphoric Acid Production	98.266(f)(2)	Annual CO ₂ emissions from each wet-process phosphoric acid process line (metric tons) as calculated by Equation Z-1a or Equation Z-1b (No CEMS)		E								
Z - Phosphoric Acid Production	98.266(f)(3)	Annual phosphoric acid permitted production capacity			ND							
Z - Phosphoric Acid Production	98.266(f)(4)	Method used to estimate any missing values of inorganic carbon content or carbon dioxide content of phosphate rock									E	
Z - Phosphoric Acid Production	98.266(f)(7)	Number of wet-process phosphoric acid process lines			X							
Z - Phosphoric Acid Production	98.266(f)(8)	Number of times missing data procedures were used to estimate phosphate rock consumption									E	
Z - Phosphoric Acid Production	98.266(f)(8)	Number of times missing data procedures were used to estimate inorganic carbon contents of the phosphate rock									E	

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations		
Z - Phosphoric Acid Production	98.266(f)(9)	Annual process CO ₂ emissions from each phosphate acid production facility (metric tons)		E									
AA - Pulp & Paper Manufacturing	98.276	Report the applicable information required by 98.36 ¹											
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of CO ₂		E									
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic CO ₂		E									
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of CH ₄		E									
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic CH ₄		E									
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of N ₂ O		E									
AA - Pulp and Paper Manufacturing	98.276(a)	Annual emissions of biogenic N ₂ O		E									
AA - Pulp and Paper Manufacturing	98.276(c)	Basis for determining the annual mass of the spent liquor solids combusted						X					
AA - Pulp and Paper Manufacturing	98.276(j)	Annual steam purchases								C			
AA - Pulp and Paper Manufacturing	98.276(k)	Annual production of pulp and/or paper products produced							C				
BB - Silicon Carbide Production	98.286(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹											
BB - Silicon Carbide Production	98.286(a)(1)	Annual consumption of petroleum coke (CEMS)								C			
BB - Silicon Carbide Production	98.286(a)(2)	Annual production of silicon carbide (CEMS)							C				
BB - Silicon Carbide Production	98.286(a)(3)	Annual production capacity of silicon carbide (CEMS)			ND								
BB - Silicon Carbide Production	98.286(b)(2)	Annual production of silicon carbide (No CEMS)							C				
BB - Silicon Carbide Production	98.286(b)(3)	Annual production capacity of silicon carbide (No CEMS)			ND								
BB - Silicon Carbide Production	98.286(b)(5)	Indicate whether carbon content of the petroleum coke is based on reports from the supplier or through self measurement using applicable ASTM standard method						X					
BB - Silicon Carbide Production	98.286(b)(7)	Sampling analysis results for carbon content of consumed petroleum coke as determined for QA/QC of supplier data				C							
BB - Silicon Carbide Production	98.286(b)(8)	Number of times in the reporting year that missing data procedures were followed to measure the carbon contents of petroleum coke									E		
BB - Silicon Carbide Production	98.286(b)(8)	Number of times in the reporting year that missing data procedures were followed to measure petroleum coke consumption									E		

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			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests	
CC - Soda Ash Manufacturing	98.296(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹											
CC - Soda Ash Manufacturing	98.296(a)(1)	Annual consumption of trona or liquid alkaline feedstock for each manufacturing line (tons)									C		
CC - Soda Ash Manufacturing	98.296(a)(2)	Annual production of soda ash for each manufacturing line (CEMS)								C			
CC - Soda Ash Manufacturing	98.296(a)(3)	Annual production capacity of soda ash for each manufacturing line (CEMS)			ND								
CC - Soda Ash Manufacturing	98.296(a)(4)	Identification number for each manufacturing line (CEMS)	E										
CC - Soda Ash Manufacturing	98.296(b)(1)	Identification number for each manufacturing line (No CEMS)	E										
CC - Soda Ash Manufacturing	98.296(b)(2)	Annual process CO ₂ emissions from each manufacturing line (No CEMS)		E									
CC - Soda Ash Manufacturing	98.296(b)(3)	Annual production of soda ash for each manufacturing line (tons)								C			
CC - Soda Ash Manufacturing	98.296(b)(4)	Annual production capacity of soda ash for each manufacturing line (No CEMS)			ND								
CC - Soda Ash Manufacturing	98.296(b)(5)	Monthly consumption of trona or liquid alkaline feedstock for each manufacturing line (No CEMS) (for facilities not using Equation CC-1)									C		
CC - Soda Ash Manufacturing	98.296(b)(6)	Monthly production of soda ash for each manufacturing line (tons) (for facilities not using Equation CC-2)								C			
CC - Soda Ash Manufacturing	98.296(b)(8)	Indicate whether CO ₂ emissions were calculated using a trona input method, a soda ash output method, or a site-specific emission factor method						E					
CC - Soda Ash Manufacturing	98.296(b)(9)	Number of manufacturing lines used to produce soda ash			X								
CC - Soda Ash Manufacturing	98.296(b)(11)(i)	Number of times missing data procedures were used for trona or soda ash										E	
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										E	
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										E	
EE - Titanium Dioxide Production	98.316(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹											
EE - Titanium Dioxide Production	98.316(a)(1)	Identification number for each process line (CEMS)	E										
EE - Titanium Dioxide Production	98.316(a)(2)	Annual consumption of calcined petroleum coke (CEMS)									C		
EE - Titanium Dioxide Production	98.316(a)(3)	Annual production of titanium dioxide (CEMS)								C			
EE - Titanium Dioxide Production	98.316(a)(4)	Annual production capacity of titanium dioxide (CEMS)			ND								
EE - Titanium Dioxide Production	98.316(a)(5)	Annual production of carbon-containing waste (CEMS)								C			
EE - Titanium Dioxide Production	98.316(b)(1)	Identification number for each process line (No CEMS)	E										
EE - Titanium Dioxide Production	98.316(b)(2)	Annual CO ₂ emissions for each process line (No CEMS)		E									
EE - Titanium Dioxide Production	98.316(b)(3)	Annual consumption of calcined petroleum coke for each production line (No CEMS)									C		
EE - Titanium Dioxide Production	98.316(b)(4)	Annual production of titanium dioxide for each production line (No CEMS)								C			
EE - Titanium Dioxide Production	98.316(b)(5)	Annual production capacity of titanium dioxide for each production line (No CEMS)			ND								

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations		
EE - Titanium Dioxide Production	98.316(b)(7)	Annual production of carbon-containing waste (No CEMS)								C			
EE - Titanium Dioxide Production	98.316(b)(8)	Monthly production of titanium dioxide for each production process (No CEMS)								C			
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)							X				
EE - Titanium Dioxide	98.316(b)(11)	Carbon content for carbon-containing waste for each process line (percent by weight expressed as a decimal fraction) (No CEMS).								C			
EE - Titanium Dioxide Production	98.316(b)(12)	ASTM standard methods used to determine carbon content (No CEMS)							X				
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)				C							
EE - Titanium Dioxide Production	98.316(b)(14)	Number of separate chloride process lines located at the facility (No CEMS)			X								
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										E	
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										E	
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										E	
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										E	
FF- Underground Coal Mines	98.326(d)	Net quarterly CH ₄ emissions from all ventilation and degasification systems (CH ₄ emitted (net))		E									
FF- Underground Coal Mines	98.326(e)	Quarterly CO ₂ emissions from onsite destruction, where the gas is not a fuel input for energy generation or use (e.g., flaring)		E									
FF- Underground Coal Mines	98.326(f)	Date of each measurement							X				
FF- Underground Coal Mines	98.326(f)	Location of each measurement	E										
FF- Underground Coal Mines	98.326(f)	Method of measurement (quarterly sampling or continuous monitoring)							X				
FF- Underground Coal Mines	98.326(g)	Dates CH ₄ concentration was measured							X				
FF- Underground Coal Mines	98.326(g)	Location CH ₄ concentration was measured	E										
FF- Underground Coal Mines	98.326(g)	Method of measurement (sampling or continuous monitoring)							X				
FF- Underground Coal Mines	98.326(h)	Method of measurement (sampling or continuous monitoring)							X				
FF- Underground Coal Mines	98.326(i)	Quarterly sum of CEMS CH ₄ concentration data used to calculate CH ₄ liberated from degasification systems (C)				X							
FF- Underground Coal Mines	98.326(i)	Quarterly CH ₄ concentration data based on weekly sampling data (C)				X							

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FF- Underground Coal Mines	98.326(l)	Dates in quarterly reporting period where active ventilation of mining operations is taking place				X						
FF- Underground Coal Mines	98.326(m)	Dates in quarterly reporting period where degasification of mining operations is taking place				X						
FF- Underground Coal Mines	98.326(n)	Dates in quarterly reporting period when continuous monitoring equipment is not properly functioning									E	
FF- Underground Coal Mines	98.326(p)	Description of the destruction device (including an indication of whether the destruction occurs at the coal mine site or off-site)			X							
FF- Underground Coal Mines	98.326(p)	Indicate whether a backup destruction device is present at the mine			X							
FF- Underground Coal Mines	98.326(p)	Annual operating hours of the primary destruction device				X						
FF- Underground Coal Mines	98.326(p)	Annual operating hours of the backup destruction device				X						
FF- Underground Coal Mines	98.326(q)	Description of the gas collection system (manufacture, capacity, number of wells, etc)			ND							
FF- Underground Coal Mines	98.326(q)	Surface area of the gas collection system			X							
FF- Underground Coal Mines	98.326(q)	Annual operating hours of the gas collection system				X						
FF- Underground Coal Mines	98.326(r)	Identification information for each well and shaft	E									
FF- Underground Coal Mines	98.326(r)	Description of each well and shaft			X							
FF- Underground Coal Mines	98.326(r)	Indication of whether the well or shaft is monitored individually or as part of a centralized monitoring point.			X							
FF- Underground Coal Mines	98.326(r)	Method used (sampling or continuous monitoring)						X				
FF- Underground Coal Mines	98.326(s)	Identification of wells and shafts for each centralized monitoring point			X							
FF- Underground Coal Mines	98.326(s)	Method used (sampling or continuous monitoring)						X				
GG - Zinc Production	98.336(a)	Tier 4 Calculation Methodology reporting requirements specified under §98.36 ¹										
GG - Zinc Production	98.336(a)(1)	Annual zinc product production capacity (CEMS)			ND							
GG - Zinc Production	98.336(a)(2)	Annual production quantity for each zinc product (CEMS)							C			
GG - Zinc Production	98.336(a)(3)	Annual facility production quantity (CEMS)							C			
GG - Zinc Production	98.336(a)(4)	Number of Waelz kilns at each facility used for zinc production (CEMS)			X							
GG - Zinc Production	98.336(a)(5)	Number of electrothermic furnaces at each facility used for zinc production (CEMS)			X							
GG - Zinc Production	98.336(b)(1)	Identification number (No CEMS)	E									
GG - Zinc Production	98.336(b)(1)	Annual process CO ₂ emissions from each individual Waelz kiln or electrothermic furnace (No CEMS)		E								
GG - Zinc Production	98.336(b)(2)	Annual zinc product production capacity (No CEMS)			ND							

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations				
GG - Zinc Production	98.336(b)(3)	Annual production quantity for each zinc product (No CEMS)										C		
GG - Zinc Production	98.336(b)(4)	Number of Waelz kilns at each facility used for zinc production (No CEMS)			X									
GG - Zinc Production	98.336(b)(5)	Number of electrothermic furnaces at each facility used for zinc production (No CEMS)			X									
GG - Zinc Production	98.336(b)(8)	Indicate whether carbon content of carbon-containing input materials charged to kilns or furnaces is based on reports from the supplier or through self measurement using applicable ASTM standard method (No CEMS)							X					
GG - Zinc Production	98.336(b)(9)	ASTM Standard Test Method used to determine carbon content of materials (No CEMS)							X					
GG - Zinc Production	98.336(b)(11)	Indicate whether carbon content of the carbon electrode used in furnaces is based on reports from the supplier or through self measurement using applicable ASTM standard method (No CEMS)							X					
GG - Zinc Production	98.336(b)(12)	ASTM standard methods used to determine carbon content of electrode (No CEMS)							X					
GG - Zinc Production	98.336(b)(13)	How the monthly mass of carbon-containing materials with missing data was determined											E	
GG - Zinc Production	98.336(b)(13)	Number of months the missing data procedures were used											E	
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)			X									
HH - Municipal Solid Waste Landfills	98.346(a)	Capacity of the landfill (for landfills not using equation HH-3 and for any open landfill using Equation Eq. HH-3)			X									
HH - Municipal Solid Waste	98.346(a)	Indication of whether leachate recirculation is used during the reporting year				X								
HH - Municipal Solid Waste Landfills	98.346(a)	Typical frequency of leachate use over the past 10 years (e.g., used several times a year for the past 10 years, used at least once a year for the past 10 years, used occasionally but not every year over the past 10 years, not used)				X								
HH - Municipal Solid Waste Landfills	98.346(a)	An indication as to whether scales are present at the landfill			X									
HH - Municipal Solid Waste Landfills	98.346(b)	Method for estimating reporting year and historical waste disposal quantities and reason for its selection							E					
HH - Municipal Solid Waste Landfills	98.346(b)	Range of years the estimation method is applied							E					
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: an indication of whether active aeration of the waste in the landfill was conducted during the reporting year.				X								
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: a description of the aeration system, including aeration blower capacity.			X									
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: the fraction of the landfill containing waste affected by the aeration.				X								
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: the total number of hours during the year the aeration blower was operated.				X								
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: other factors used as a basis for the selected MCF value.				X								
HH - Municipal Solid Waste Landfills	98.346(e)	Indication of whether the fraction of CH ₄ was determined based on measured values or the default value							X					
HH - Municipal Solid Waste Landfills	98.346(f)	Surface area of the landfill containing waste				X								
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).				X								

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HH - Municipal Solid Waste Landfills	98.346(h)	Each landfill without a gas collection system, annual CH ₄ emissions		E										
HH - Municipal Solid Waste Landfills	98.346(h)	Each landfill without a gas collection system, indicate 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.			X									
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.				X								
HH - Municipal Solid Waste Landfills	98.346(i)(2)	Annual average CH ₄ concentration of landfill gas collected for destruction				X								
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Monthly average temperature at which flow is measured for landfill gas collected for destruction				X								
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Statement that temperature is incorporated into internal calculations run by the monitoring equipment					E							
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Monthly average pressure at which flow is measured for landfill gas collected for destruction				X								
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Statement that pressure is incorporated into internal calculations run by the monitoring equipment					E							
HH - Municipal Solid Waste Landfills	98.346(i)(4)	Indication of whether flow was measured on a wet or dry basis					E							
HH - Municipal Solid Waste Landfills	98.346(i)(4)	Monthly average Moisture Content required for Equation HH-4				X								
HH - Municipal Solid Waste Landfills	98.346(i)(4)	For each landfill with a gas collection system: An indication as to whether CH ₄ concentration was measured on a wet or dry basis					E							
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Indication of whether destruction occurs at the landfill facility or off-site				X								
HH - Municipal Solid Waste Landfills	98.346(i)(5)	Indication of whether a backup destruction device is present at the landfill			X									
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Description of the gas collection system (manufacturer, capacity, and number of wells)			X									
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Estimate waste depth as specified in Table HH-3				X								
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.			X									
HH - Municipal Solid Waste Landfills	98.346(i)(8)	CH ₄ generation corrected for oxidation (Equation HH-5)		E										
HH - Municipal Solid Waste Landfills	98.346(i)(9)	Specify whether CH ₄ generation value (input to Equation HH-6) is modeled or measured						X						
HH - Municipal Solid Waste Landfills	98.346(i)(10)	CH ₄ generation corrected for oxidation (Equation HH-7)		E										
HH - Municipal Solid Waste Landfills	98.346(i)(11)	CH ₄ emissions (Equation HH-6)		E										
HH - Municipal Solid Waste Landfills	98.346(i)(12)	CH ₄ emissions (Equation HH-8)		E										

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations				
II - Wastewater Treatment	98.356(a)	A description or diagram of the industrial wastewater treatment system: identifying the processes used to treat industrial wastewater and industrial wastewater treatment sludge, how the processes are related, average depth of all anaerobic lagoons (meters), type of anaerobic process (i.e., anaerobic reactor, anaerobic deep lagoon, anaerobic shallow			ND									
II - Wastewater Treatment	98.356(c)	For each anaerobic wastewater treatment process from which biogas is not recovered, annual CH ₄ emissions, calculated using Equation II-3		E										
II - Wastewater Treatment	98.356(d)(2)	Cumulative volumetric biogas flow for each week that biogas is collected for destruction. (if using daily sampling)								C				
II - Wastewater Treatment	98.356(d)(3)	Weekly average CH ₄ concentration for each week that biogas is collected for destruction. (if using daily sampling)								C				
II - Wastewater Treatment	98.356(d)(4)	Weekly average temperature at which flow is measured for biogas collected for destruction (if using daily sampling)				X								
II - Wastewater Treatment	98.356(d)(4)	Statement that temperature is incorporated into monitoring equipment internal calculations					E							
II - Wastewater Treatment	98.356(d)(5)	Indication of whether flow was measured on a wet or dry basis					E							
II - Wastewater Treatment	98.356(d)(5)	Indication of whether CH ₄ was measured on a wet or dry basis					E							
II - Wastewater Treatment	98.356(d)(5)	Weekly average moisture content for each week at which flow is measured for biogas collected for destruction (if using daily sampling)				X								
II - Wastewater Treatment	98.356(d)(5)	Statement that moisture content is incorporated into monitoring equipment internal calculations.					E							
II - Wastewater Treatment	98.356(d)(6)	Weekly average pressure for each week at which flow is measured for biogas collected for destruction (if using daily sampling)				X								
II - Wastewater Treatment	98.356(d)(8)	Indication of whether destruction occurs at the facility or off-site			X									
II - Wastewater Treatment	98.356(d)(8)	Indication of whether a backup destruction device is present onsite			X									
II - Wastewater Treatment	98.356(d)(9)	For each anaerobic process from which some biogas is recovered, Annual CH ₄ emissions calculated by Equation II-6		E										
II - Wastewater Treatment	98.356(e)	Total mass of CH ₄ emitted from all anaerobic processes from which biogas is not recovered (calculated in Equation II-3)		E										
II - Wastewater Treatment	98.356(e)	Total mass of CH ₄ emitted from all anaerobic processes from which some biogas is recovered (calculated in Equations II-6 and Equation II-7.		E										
TT- Industrial Landfills	98.466(a)(1)	Classification of the landfill as open or closed				X								
TT- Industrial Landfills	98.466(a)(3)	Last year the landfill accepted waste (for open landfills, enter the estimated year of landfill closure) (for closed landfills not using Equation TT-4 and for all open landfills)			X									
TT- Industrial Landfills	98.466(a)(4)	Capacity of the landfill in metric tons (for closed landfills not using Equation TT-4 and all open landfills)			X									
TT- Industrial Landfills	98.466(a)(5)	Typical frequency of leachate use over the past 10 years				X								
TT- Industrial Landfills	98.466(b)(1)	Number of waste streams (including "other industrial solid waste (not otherwise listed)") for which Equation TT-1 is used to calculate modeled CH ₄ generation.				X								
TT- Industrial Landfills	98.466(b)(2)	Description of each waste stream (including types of materials in each waste stream)					E							

Table A-1: Direct Emitters: Final Data Category Assignments and Confidentiality Determinations

KEY:
¹ This data element is not assigned to a category because the data element refers to a reporting requirement specified under another requirement in the same subpart or a different subpart that has already been assigned to a category.
 ND= No determination has been made for this data element.
 E = Emission data available to the public.
 C = Data Element is considered to be confidential business information.
 X = Data Element is not eligible for confidential treatment

Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
TT- Industrial Landfills	98.466(c)(2)	Method for estimating historical waste disposal quantities					E					
TT- Industrial Landfills	98.466(c)(2)	The range of years for which each estimation method applies					E					
TT- Industrial Landfills	98.466(c)(3)(ii)	The years for which Equation TT-2 applies					E					
TT- Industrial Landfills	98.466(d)(2)	Indication of whether the DOCx was a default value from Table TT-1 or a value determined through sampling and calculation for each waste stream					E					
TT- Industrial Landfills	98.466(d)(3)	Indication of whether the fraction of CH ₄ in landfill gas is a default value or a value determined through measurement					E					
TT- Industrial Landfills	98.466(e)(1)	Type of cover material used (i.e., organic, clay, sand, or other soil)				X						
TT- Industrial Landfills	98.466(e)(2)	Surface area (in square meters) at the start of the reporting year for the landfill sections that contain waste and that are associated with the selected cover type for those facilities who do not use a landfill gas collection system)				X						
TT- Industrial Landfills	98.466(g)(1)	Annual methane emissions (adjusted for oxidation, where oxidation is calculated using Equation TT-5) for landfills without gas collection systems (calculated using TT-6)		E								
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				X						
TT- Industrial Landfills	98.466(h)	Report 98.346(i) of subpart HH (Municipal Waste Landfills). ¹										
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Name of persons to contact about application	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Contact person address	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Contact person phone number	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Contact person e-Mail address	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Contact person data signed	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Contact person data submitted	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Facility name	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Facility physical address	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Unit ID number	E									
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Type of unit (e.g., nitric acid train)	E									

Table A-1: Direct Emitters: Final Data Category Assignments and Confidentiality Determinations

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Subpart	Reporting Section	Final Data Element	Category									
			Facility and Unit Identifier Information	Emissions	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission Equations	Raw Materials Consumed That are Not Inputs to Emission Equations	Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations	Process Specific & Vendor Data Submitted in BMM Extension Requests
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Total number of units at facility included in this application			X							
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Name of alternative method					E					
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Reason for your application					E					
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Supplemental data supporting alternative method			ND							
Alternative Method Application - Subpart E & V	98.53(a)(2) and 98.223(a)(2)	Description of alternative method					E					

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

KEY:

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Subpart	Reporting Section	Data Element	Category												
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMB Extension Requests		
A - General Reporting Requirements	98.3(c)(1)	Facility name or supplier name	X												
A - General Reporting Requirements	98.3(c)(1)	Physical street address of the facility or supplier, including	X												
A - General Reporting Requirements	98.3(c)(2)	Year and months covered by the report	X												
A - General Reporting Requirements	98.3(c)(3)	Date of submittal of the report	X												
A - General Reporting Requirements	98.3(c)(5)(i)	Total quantity of GHG aggregated for all GHG from all applicable supply categories in Table A-5 and expressed in metric tons of CO ₂ e calculated using Equation A-1. ²		X											
A - General Reporting Requirements	98.3(c)(5)(ii)	Quantity of each GHG from each applicable supply category in Table A-5, expressed in metric tons of each GHG. For fluorinated GHG, report emissions of all fluorinated GHG, including those not listed in Table A-1. For fluorinated GHGs, calculate and report CO ₂ e for only those fluorinated GHGs listed in Table A-1. ²		X											
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.					X								
A - General Reporting Requirements	98.3(c)(7)	A brief description of each "best available monitoring method" used (see 98.3(d))					X								
A - General Reporting Requirements	98.3(c)(7)	Parameter used during the "best available monitoring method" (see 98.3(d))					X								
A - General Reporting Requirements	98.3(c)(7)	Time period during which the "best available monitoring method" was used" (see 98.3(d))					X								
A - General Reporting Requirements	98.3(c)(8)	Data elements for which a missing data procedure was used according to the procedures of an applicable subpart										X			
A - General Reporting Requirements	98.3(c)(8)	Total number of hours in the year that a missing data procedure was used										X			
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)	X												
A - General Reporting Requirements	98.3(c)(10)(i)	Primary NAICS Code	X												
A - General Reporting Requirements	98.3(c)(10)(ii)	Additional NAICS Codes	X												

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Subpart	Reporting Section	Data Element	Category												
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests		
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.	X												
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.	X												
A - General Reporting Requirements	98.3(c)(11)	Percentage of ownership interest for each parent company as of December 31 of each reporting year.	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Name of person to contact about the request	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Address of contact person	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Telephone number of contact person	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - E-mail address of contact person	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Date request was signed	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Date request was submitted	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Facility name	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Physical address of facility	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Unit or group ID	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Common pipe or common stack ID	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Type of unit (e.g., boiler, process heater, cement kiln)	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Total number of units included in application	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Description of monitoring equipment (e.g., liquid flow meter)	X												
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Parameter for which instrumentation is needed (e.g., fuel combusted)						X							
A - General Reporting Requirements	98.3(d)(2)(ii)(A)	BAMM Extension Request - Location of unit with monitor or sampling location (e.g., fuel flow diagram)													C

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

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Subpart	Reporting Section	Data Element	Category											
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests	
A - General Reporting Requirements	98.3(d)(2)(ii)(B)	BAMM Extension Request - Identification of the specific rule requirements (by rule subpart, section, and paragraph numbers) for which the instrumentation is needed.					X							
A - General Reporting Requirements	98.3(d)(2)(ii)(C)	BAMM Extension Request - A description of the reasons why the needed equipment could not be obtained and installed before April 1, 2010.				C								
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Date equipment ordered				X								
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Information on alternative suppliers and alternative delivery dates investigated												C
A - General Reporting Requirements	98.3(d)(2)(ii)(D)	BAMM Extension Request - Backorder notices or unexpected delays information from supplier				X								
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Supporting documentation demonstrating that it is not practicable to isolate the equipment and install monitoring instrument without a full process unit shutdown.												C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Date of the most recent process unit shutdown												C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Frequency of shutdowns for this process unit												C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Date of the next planned shutdown during which the monitoring equipment can be installed												C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - Was there a shutdown or is there a planned process unit shutdown between October 30, 2009 and April 1, 2010?												C
A - General Reporting Requirements	98.3(d)(2)(ii)(E)	BAMM Extension Request - If planned shutdown occurred between October 30, 2009 and April 1, 2010, explanation of why equipment was not or cannot be obtained and installed during the shutdown				C								
A - General Reporting Requirements	98.3(d)(2)(ii)(D) & (F)	BAMM Extension Request - Description of the specific actions the facility will take to obtain and install the equipment as soon as reasonably feasible				X								
A - General Reporting Requirements	98.3(d)(2)(ii)(D) & (F)	BAMM Extension Request - The expected date by which the equipment will be installed and operating.				C								

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

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Subpart	Reporting Section	Data Element	Category											
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMB Extension Requests	
A - General Reporting Requirements	98.3(h)(2)	Each supplier must 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.					X							
A - General Reporting Requirements	98.4(i)(1)	Identification of the facility for the certificate of representation	X											
A - General Reporting Requirements	98.4(i)(2)	Name of the designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Organization name (company affiliation/employer) for the designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Address of the designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Facsimile transmission number of the designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Name of the alternate designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Organization name (company affiliation/employer) for the alternate designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Address of the alternate designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	E-mail address of the alternate designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Telephone number of the alternate designated representative	X											
A - General Reporting Requirements	98.4(i)(2)	Facsimile transmission number of the alternate designated representative	X											
A - General Reporting Requirements	98.4(i)(3)	A list of the owners and operators of the facility	X											
A - General Reporting Requirements	98.4(i)(4)	Certification statements in 98.4(i)(4)	X											
A - General Reporting Requirements	98.4(i)(5)	Signature of the designated representative.	X											
A - General Reporting Requirements	98.4(i)(5)	Date signed by designated representative.	X											
A - General Reporting Requirements	98.4(i)(5)	Signature of the alternate designated representative (if any)	X											

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Subpart	Reporting Section	Data Element	Category												
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests		
A - General Reporting Requirements	98.4(i)(5)	Date signed by the alternate designated representative (if any).	X												
LL - Suppliers of Coal-based Liquid Products	98.386(a)(1)	<u>Producers:</u> Annual quantity of each product listed in Table MM-1 entering the coal-to-liquid facility to be further processed or otherwise used onsite by each quantity measurement standard method or other industry standard practice used. For natural gas liquids, quantity shall reflect the individual components of the product.								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(2)	<u>Producers:</u> Annual quantity of each product listed in Table MM-1 entering the coal-to-liquid facility to be further processed or otherwise used onsite. For natural gas liquids, quantity shall reflect the individual components of the product.								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(3)	<u>Producers:</u> Percent of the volume of the feedstock that is petroleum-based for each feedstock reported in paragraph (a)(2) of this section that was produced by blending a fossil fuel-based product with a biomass-based (excluding any denaturant that may be present in any ethanol product).								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(4)	<u>Producers:</u> Standard method or other industry standard practice used to measure each quantity reported in paragraph (a)(1) of this section.					X								
LL - Suppliers of Coal-based Liquid Products	98.386(a)(5)	<u>Producers:</u> Annual quantity by each quantity measurement standard method or other industry standard practice used for each product (leaving the coal-to-liquid facility) listed in Table MM-1. The quantity for natural gas liquids must reflect the individual components of the product.								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(6)	<u>Producers:</u> Annual quantity of each product (leaving the coal-to-liquid facility) listed in Table MM-1. The quantity for natural gas liquids must reflect the individual components of the product.								C					

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			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests		
LL - Suppliers of Coal-based Liquid Products	98.386(a)(7)	<u>Producers:</u> Percent of the volume reported in paragraph (a)(6) that was produced by blending a fossil fuel-based product with a biomass-based product (excluding any denaturant that may be present in any ethanol product).								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(8)	<u>Producers:</u> Standard method or other industry standard practice used to measure each quantity reported in paragraph (a)(5).						X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(9)(i)	<u>Producers:</u> Number of samples collected according to §98.394(c) for every feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.						X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(9)(ii)	<u>Producers:</u> Sampling standard method used for every feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.						X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(9)(iii)	<u>Producers:</u> Carbon share test results for every feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(9)(iv)	<u>Producers:</u> Standard method used to test carbon share for every feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.						X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(9)(v)	<u>Producers:</u> Calculated CO ₂ emissions factor for every feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(10)(i)	<u>Producers:</u> Density test results for every feedstock reported in paragraph (a)(2) for every non-solid feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.								C					
LL - Suppliers of Coal-based Liquid Products	98.386(a)(10)(ii)	<u>Producers:</u> Standard method used to test density for every non-solid feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.						X							

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Subpart	Reporting Section	Data Element	Category											
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMB Extension Requests	
LL - Suppliers of Coal-based Liquid Products	98.386(a)(11)(i)	<u>Producers:</u> Number of samples collected according to §98.394(c) for every product reported in paragraph (a)(6) of this section for which Calculation Methodology 2 of this subpart was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(11)(ii)	<u>Producers:</u> Sampling standard method used For every product reported in paragraph (a)(6) of this section for which Calculation Methodology 2 of this subpart was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(11)(iii)	<u>Producers:</u> Carbon share test results For every product reported in paragraph (a)(6) of this section for which Calculation Methodology 2 of this subpart was used to determine an emissions factor.						C						
LL - Suppliers of Coal-based Liquid Products	98.386(a)(11)(iv)	<u>Producers:</u> Standard method used to test carbon share For every product reported in paragraph (a)(6) of this section for which Calculation Methodology 2 of this subpart was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(11)(v)	<u>Producers:</u> Calculated CO ₂ emissions factor For every product reported in paragraph (a)(6) of this section for which Calculation Methodology 2 of this subpart was used to determine an emissions factor.			C									
LL - Suppliers of Coal-based Liquid Products	98.386(a)(12)(i)	<u>Producers:</u> Density test results for every non-solid product reported in paragraph (a)(6) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.						C						
LL - Suppliers of Coal-based Liquid Products	98.386(a)(12)(ii)	<u>Producers:</u> Standard method used to test density for every non-solid product reported in paragraph (a)(6) for which Calculation Methodology 2 of subpart MM was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(13)	<u>Producers:</u> Annual quantity of each specific type of biomass that enters the coal-to-liquid facility to be co-processed with fossil fuel-based feedstock to produce a product reported in paragraph (a)(6) reported by each quantity measurement standard method or other industry standard practice used.							C					

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

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LL - Suppliers of Coal-based Liquid Products	98.386(a)(14)	<u>Producers:</u> Annual quantity of each specific type of biomass that enters the coal-to-liquid facility to be co-processed with fossil fuel-based feedstock to produce a product reported in paragraph (a)(6).								C				
LL - Suppliers of Coal-based Liquid Products	98.386(a)(15)	<u>Producers:</u> Standard method or other industry standard practice used to measure each quantity reported in paragraph (a)(3).					X							
LL - Suppliers of Coal-based Liquid Products	98.386(a)(16)	<u>Producers:</u> The CO ₂ emissions in metric tons that would result from the complete combustion or oxidation of each feedstock reported in paragraph (a)(2) that were calculated according to §98.393(b) or (h).		C										
LL - Suppliers of Coal-based Liquid Products	98.386(a)(17)	<u>Producers:</u> CO ₂ emissions that would result from the complete combustion or oxidation of each product (leaving the coal-to-liquid facility) reported in paragraph (a)(6) that were calculated according to §98.393(a) or (h).		C										
LL - Suppliers of Coal-based Liquid Products	98.386(a)(18)	<u>Producers:</u> Annual CO ₂ emissions that would result from the complete combustion or oxidation of each type of biomass feedstock co-processed with fossil fuel-based feedstocks reported in paragraph (a)(3), calculated according to §98.393(c).		C										
LL - Suppliers of Coal-based Liquid Products	98.386(a)(19)	<u>Producers:</u> Annual CO ₂ emissions that would result from the complete combustion or oxidation of all products, calculated according to §98.393(d).		X										
LL - Suppliers of Coal-based Liquid Products	98.386(a)(20)	<u>Producers:</u> Annual quantity of bulk NGLs received for processing during the reporting year.								C				
LL - Suppliers of Coal-based Liquid Products	98.386(b)(1)	<u>Importers:</u> Annual quantity for each product in Table MM-1 by each quantity measurement standard method or other industry standard practice used. The quantity of natural gas liquids must reflect the individual components of the product.							ND					

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LL - Suppliers of Coal-based Liquid Products	98.386(b)(2)	<u>Importers</u> : Annual quantity for each product in Table MM-1. The quantity of natural gas liquids must reflect the individual components of the product.							ND					
LL - Suppliers of Coal-based Liquid Products	98.386(b)(3)	<u>Importers</u> : Percent of the volume that is fossil fuel-based (excluding any denaturant that may be present in any ethanol product) of each product reported in paragraph (b)(2) that was produced by blending a fossil fuel-based product with a biomass-based product section .							ND					
LL - Suppliers of Coal-based Liquid Products	98.386(b)(4)	<u>Importers</u> : standard method or other industry standard practice used to measure each quantity reported in paragraph (b)(1).					X							
LL - Suppliers of Coal-based Liquid Products	98.386(b)(5)(i)	<u>Importers</u> : Number of samples collected according to §98.394(c) for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(b)(5)(ii)	<u>Importers</u> : Sampling standard method used for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(b)(5)(iii)	<u>Importers</u> : Carbon share test results for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.							ND					
LL - Suppliers of Coal-based Liquid Products	98.386(b)(5)(iv)	<u>Importers</u> : Standard method used to test carbon share for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(b)(5)(v)	<u>Importers</u> : Calculated CO ₂ emissions factor for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.			C									
LL - Suppliers of Coal-based Liquid Products	98.386(b)(6)(i)	<u>Importers</u> : Density test results for each non-solid product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.							ND					

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LL - Suppliers of Coal-based Liquid Products	98.386(b)(6)(ii)	<u>Importers:</u> Standard method used to test density for each non-solid product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(b)(7)	<u>Importers:</u> CO ₂ emissions that would result from the complete combustion or oxidation of each imported product reported in paragraph (b)(2), calculated according to §98.393(a).		ND										
LL - Suppliers of Coal-based Liquid Products	98.386(b)(8)	<u>Importers:</u> Total sum of CO ₂ emissions that would result from the complete combustion or oxidation of all imported products, calculated according to §98.393(e).		ND										
LL - Suppliers of Coal-based Liquid Products	98.386(c)(1)	<u>Exporters:</u> Annual quantity for each product in Table MM-1. For natural gas liquids, quantity shall reflect the individual components of the product.							C					
LL - Suppliers of Coal-based Liquid Products	98.386(c)(2)	<u>Exporters:</u> Annual quantity for each product in Table MM-1 by each quantity measurement standard method or other industry standard practice used. For natural gas liquids, quantity shall reflect the individual components of the product.							C					
LL - Suppliers of Coal-based Liquid Products	98.386(c)(3)	<u>Exporters:</u> Percent of the volume reported in paragraph (c)(2) of this section that is fossil fuel-based (excluding any denaturant that may be present in any ethanol product) for each product reported in paragraph (c)(2) that was produced by blending a fossil fuel-based product with a biomass-based product.							C					
LL - Suppliers of Coal-based Liquid Products	98.386(c)(4)	<u>Exporters:</u> Standard method or other industry standard practice used to measure each quantity reported in paragraph (c)(1) of this section.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(c)(5)(i)	<u>Exporters:</u> Number of samples collected according to §98.394(c) for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							

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LL - Suppliers of Coal-based Liquid Products	98.386(c)(5)(ii)	<u>Exporters:</u> Sampling standard method used for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(c)(5)(iii)	<u>Exporters:</u> Carbon share test results for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.							C					
LL - Suppliers of Coal-based Liquid Products	98.386(c)(5)(iv)	<u>Exporters:</u> Standard method used to test carbon share for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(c)(5)(v)	<u>Exporters:</u> Calculated CO ₂ emissions factor for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.			C									
LL - Suppliers of Coal-based Liquid Products	98.386(c)(6)(i)	<u>Exporters:</u> Density test results for each non-solid product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.							C					
LL - Suppliers of Coal-based Liquid Products	98.386(c)(6)(ii)	<u>Exporters:</u> Standard method used to test density for each non-solid product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
LL - Suppliers of Coal-based Liquid Products	98.386(c)(7)	<u>Exporters:</u> CO ₂ emissions that would result from the complete combustion or oxidation of the exported product reported in paragraph (c)(2), calculated according to §98.393(a).		C										
LL - Suppliers of Coal-based Liquid Products	98.386(c)(8)	<u>Exporters:</u> Total sum of CO ₂ emissions that would result from the complete combustion oxidation of all exported products, calculated according to §98.393(e).		X										
LL - Suppliers of Coal-based Liquid Products	98.386(d)(1)(i)	<u>Producers and Exporters - Blended feedstock and products:</u> Volume or mass of each blending component of each product where emissions were calculated according to §98.393(i).							C					

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LL - Suppliers of Coal-based Liquid Products	98.386(d)(1)(i)	<u>Importers - Blended feedstock and products:</u> Volume or mass of each blending component of each product where emissions were calculated according to §98.393(i).							ND					
LL - Suppliers of Coal-based Liquid Products	98.386(d)(1)(i)	<u>Producers and Exporters - Blended feedstock and products:</u> Volume or mass of each blending component of each feedstock where emissions were calculated according to §98.393(i).								C				
LL - Suppliers of Coal-based Liquid Products	98.386(d)(1)(i)	<u>Importers - Blended feedstock and products:</u> Volume or mass of each blending component of each feedstock where emissions were calculated according to §98.393(i).								ND				
LL - Suppliers of Coal-based Liquid Products	98.386(d)(1)(ii)	<u>Producers and Exporters - Blended feedstock and products:</u> CO ₂ emissions in metric tons that would result from the complete combustion or oxidation of each blended feedstock or product, using Equation MM-12 or Equation MM-13 of §98.393.		C										
LL - Suppliers of Coal-based Liquid Products	98.386(d)(1)(ii)	<u>Importers - Blended feedstock and products:</u> CO ₂ emissions in metric tons that would result from the complete combustion or oxidation of each blended feedstock or product, using Equation MM-12 or Equation MM-13 of §98.393.		ND										
LL - Suppliers of Coal-based Liquid Products	98.386(d)(1)(iii)	<u>Producers, Importers, and Exporters:</u> Indicate whether it is a blended feedstock or a blended product.								C				
LL - Suppliers of Coal-based Liquid Products	98.386(d)(2)	<u>Producers:</u> For a product that enters the facility to be further refined or otherwise used on site that is a blended feedstock, producers must meet the reporting requirements of paragraphs (a)(1) and (2) by reflecting the individual components of the blended feedstock. ³												

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LL - Suppliers of Coal-based Liquid Products	98.386(d)(3)	<u>Producers, Importers, and Exporters:</u> For a product that is produced, imported, or exported that is a blended product, refiners, importers, and exporters must meet the reporting requirements of paragraphs (a)(5), (a)(6), (b)(1), (b)(2), (c)(1), and (c)(2), as applicable, by reflecting the individual components of the blended product. ³													
MM - Suppliers of Petroleum Products	98.396(a)(1)	<u>Refiners:</u> Annual quantity for products in Table MM-1 (entering the refinery) by each quantity measurement standard method or other industry standard practice used								C					
MM - Suppliers of Petroleum Products	98.396(a)(2)	<u>Refiners:</u> Annual quantity for products in Table MM-1 (entering the refinery)								C					
MM - Suppliers of Petroleum Products	98.396(a)(3)	<u>Refiners:</u> Percent of the volume reported in paragraph (a)(2) (the petroleum product or NGL from Table MM-1) that is petroleum-based (excluding any denaturant that may be present in any ethanol product).							C						
MM - Suppliers of Petroleum Products	98.396(a)(4)	<u>Refiners:</u> Standard method or other industry standard practice used to measure each quantity of petroleum product or NGL reported in 98.396a1					X								
MM - Suppliers of Petroleum Products	98.396(a)(5)	<u>Refiners:</u> Annual quantity in metric tons or barrels for products in Table MM-1 (ex refinery gate) by each quantity measurement standard method or other industry standard practice used. For natural gas liquids, quantity shall reflect the individual components of the product. Petroleum products and natural gas liquids that enter the refinery, but are not reported in (a)(1), shall not be reported under this paragraph.								C					

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MM - Suppliers of Petroleum Products	98.396(a)(6)	Each refiner must report the annual quantity in metric tons or barrels for products listed in Table MM-1 (ex refinery gate). For natural gas liquids, quantity shall reflect the individual components of the product. Petroleum products and natural gas liquids that enter the refinery, but are not reported in (a)(2), shall not be reported under this paragraph.								C					
MM - Suppliers of Petroleum Products	98.396(a)(7)	<u>Refiners:</u> Percent of the volume of the petroleum product or NGL from table MM-1 that is petroleum-based (excluding any denaturant that may be present in any ethanol product).								C					
MM - Suppliers of Petroleum Products	98.396(a)(8)	<u>Refiners:</u> Standard method or other industry standard practice used to measure each quantity of petroleum product or NGL reported in 98.396(a)(5)					X								
MM - Suppliers of Petroleum Products	98.396(a)(9)(i)	<u>Refiners:</u> Number of samples collected according to §98.394(c) for every feedstock reported in paragraph (a)(2) for which calculation method 2 was used to determine an emissions factor.					X								
MM - Suppliers of Petroleum Products	98.396(a)(9)(ii)	<u>Refiners:</u> Sampling standard method used					X								
MM - Suppliers of Petroleum Products	98.396(a)(9)(iii)	<u>Refiners:</u> Carbon share test results for every feedstock reported in paragraph (a)(2) for which calculation method 2 was used to determine an emissions factor.								C					
MM - Suppliers of Petroleum Products	98.396(a)(9)(iv)	<u>Refiners:</u> Standard method used to test carbon share for every feedstock reported in paragraph (a)(2) for which calculation method 2 was used to determine an emissions factor.					X								
MM - Suppliers of Petroleum Products	98.396(a)(9)(v)	<u>Refiners:</u> Calculated CO ₂ emissions factor for every feedstock reported in paragraph (a)(2) for which calculation method 2 was used to determine an emissions factor.								C					
MM - Suppliers of Petroleum Products	98.396(a)(10)(i)	<u>Refiners:</u> Density test results for every non-solid feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 was used to determine an emissions factor.								C					
MM - Suppliers of Petroleum Products	98.396(a)(10)(ii)	<u>Refiners:</u> Standard method used to test density for every non-solid feedstock reported in paragraph (a)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X								

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MM - Suppliers of Petroleum Products	98.396(a)(11)(i)	<u>Refiners</u> : Number of samples collected according to §98.394(c) for every petroleum product and natural gas liquid reported in paragraph (a)(6) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(a)(11)(ii)	<u>Refiners</u> : Sampling standard method used for every petroleum product and natural gas liquid reported in paragraph (a)(6) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(a)(11)(iii)	<u>Refiners</u> : Carbon share test results in percent mass for every petroleum product and natural gas liquid reported in paragraph (a)(6) for which Calculation Methodology 2 was used to determine an emissions factor.						C						
MM - Suppliers of Petroleum Products	98.396(a)(11)(iv)	<u>Refiners</u> : Standard method used to test carbon share for every petroleum product and natural gas liquid reported in paragraph (a)(6) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(a)(11)(v)	<u>Refiners</u> : Calculated CO ₂ emissions factor for every petroleum product and natural gas liquid reported in paragraph (a)(6) for which Calculation Methodology 2 was used to determine an emissions factor.							C					
MM - Suppliers of Petroleum Products	98.396(a)(12)(i)	<u>Refiners</u> : Density test results for every non-solid petroleum product and natural gas liquid reported in paragraph (a)(6) for which Calculation Method 2 was used to determine an emissions factor.							C					
MM - Suppliers of Petroleum Products	98.396(a)(12)(ii)	<u>Refiners</u> : Standard method used to test density for every non-solid petroleum product and natural gas liquid reported in paragraph (a)(6) for which Calculation Method 2 was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(a)(13)	<u>Refiners</u> : Annual quantity of the biomass type that enters the refinery to be co-processed with petroleum feedstocks to produce a petroleum product reported in 98.396(a)(6) by each quantity measurement standard method or other industry standard practice used.								C				

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			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests	
MM - Suppliers of Petroleum Products	98.396(a)(14)	<u>Refiners:</u> Annual quantity of the biomass type that enters the refinery to be co-processed with petroleum feedstocks to produce a petroleum product reported in 98.396(a)(6)								C				
MM - Suppliers of Petroleum Products	98.396(a)(15)	<u>Refiners:</u> Each standard method or other industry standard practice used to measure each quantity of biomass reported in 98.396(a)(13)					X							
MM - Suppliers of Petroleum Products	98.396(a)(16)	<u>Refiners:</u> CO ₂ emissions in metric tons that would result from the complete combustion or oxidation of each petroleum product and natural gas liquid (ex refinery gate) reported in 98.396(a)(6) that were calculated according to 98.393(a) or (h).		C										
MM - Suppliers of Petroleum Products	98.396(a)(17)	<u>Refiners:</u> CO ₂ emissions in metric tons that would result from the complete combustion or oxidation of each feedstock reported in 98.396(a)(2) that were calculated according to 98.393(b) and (h).		C										
MM - Suppliers of Petroleum Products	98.396(a)(18)	<u>Refiners:</u> CO ₂ emissions that would result from the complete combustion or oxidation of each type of biomass feedstock co-processed with petroleum feedstocks reported in 98.396(a)(13).		C										
MM - Suppliers of Petroleum Products	98.396(a)(19)	<u>Refiners:</u> Sum of CO ₂ emissions that would result from the complete combustion or oxidation of all products, calculated according to §98.393(d).		X										
MM - Suppliers of Petroleum Products	98.396(a)(20)(i)	<u>Refiners:</u> Batch volume for all crude oil feedstocks used at the refinery.								C				
MM - Suppliers of Petroleum Products	98.396(a)(20)(ii)	<u>Refiners:</u> Weighted average API gravity representing the batch at the point of entry at the refinery for all crude oil feedstocks used at the refinery.								C				
MM - Suppliers of Petroleum Products	98.396(a)(20)(iii)	<u>Refiners:</u> Weighted average sulfur content representing the batch at the point of entry at the refinery								C				
MM - Suppliers of Petroleum Products	98.396(a)(20)(iv)	<u>Refiners:</u> Country of origin of the batch, if known, and if the data in paragraphs (v) and (vi) are unknown for all crude oil feedstocks used at the refinery.								C				

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MM - Suppliers of Petroleum Products	98.396(a)(20)(v)	<u>Refiners:</u> EIA crude stream code of the batch, if known for all crude oil feedstocks used at the refinery.								C				
MM - Suppliers of Petroleum Products	98.396(a)(20)(v)	<u>Refiners:</u> Crude stream name of the batch, if known for all crude oil feedstocks used at the refinery.								C				
MM - Suppliers of Petroleum Products	98.396(a)(20)(vi)	<u>Refiners:</u> Generic name for the crude stream, if known and if no appropriate EIA crude stream code exists for all crude oil feedstocks used at the refinery.								C				
MM - Suppliers of Petroleum Products	98.396(a)(20)(vi)	<u>Refiners:</u> The appropriate EIA two-letter country or state and production area code of the batch, if known and if no appropriate EIA crude stream code exists for all crude oil feedstocks used at the refinery.								C				
MM - Suppliers of Petroleum Products	98.396(a)(21)	<u>Refiners:</u> Quantity of bulk NGLs received for processing during the reporting year.								C				
MM - Suppliers of Petroleum Products	98.396(a)(22)	<u>Refiners:</u> Volume of crude oil in barrels that you injected into a crude oil supply or reservoir. A volume of crude oil that entered the refinery, but was not reported in paragraphs (a)(2) or (a)(20), shall not be reported under this paragraph.								C				
MM - Suppliers of Petroleum Products	98.396(a)(23)	<u>Refiners:</u> Special provisions for 2010. For reporting year 2010 only, a refiner that knows the information under a specific tier of the batch definition in §98.398, but does not have the necessary data collection and management in place to readily report this information, can use the next most appropriate tier of the batch definition for reporting batch information under paragraph 98.396(a)(20) of this section. ³												
MM - Suppliers of Petroleum Products	98.396(b)(1)	<u>Importers:</u> Annual quantity by product in Table MM-1 by each quantity measurement standard method or other industry standard practice used.							ND					
MM - Suppliers of Petroleum Products	98.396(b)(2)	<u>Importers:</u> Annual quantity by product in Table MM-1							ND					
MM - Suppliers of Petroleum Products	98.396(b)(3)	<u>Importers:</u> Percent of the volume of the petroleum product or NGL from table MM-1 that is petroleum-based (excluding any denaturant that may be present in any ethanol product).							ND					

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MM - Suppliers of Petroleum Products	98.396(b)(4)	<u>Importers:</u> Standard method or other industry standard practice used to measure each quantity of petroleum product or NGL reported in 98.396(b)(1).					X							
MM - Suppliers of Petroleum Products	98.396(b)(5)(i)	<u>Importers:</u> Number of samples collected according to §98.394(c) for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(b)(5)(ii)	<u>Importers:</u> Sampling standard method used for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(b)(5)(iii)	<u>Importers:</u> Carbon share test results for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.						ND						
MM - Suppliers of Petroleum Products	98.396(b)(5)(iv)	<u>Importers:</u> Standard method used to test carbon share for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(b)(5)(v)	<u>Importers:</u> Calculated CO ₂ emissions factor for each product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.			C									
MM - Suppliers of Petroleum Products	98.396(b)(6)(i)	<u>Importers:</u> Density test results or each non-solid product reported in paragraph (b)(2) for which Calculation Methodology 2 was used to determine an emissions factor.						ND						
MM - Suppliers of Petroleum Products	98.396(b)(6)(ii)	<u>Importers:</u> Standard method used to test density for which Calculation Methodology 2 was used to determine an emissions factor					X							
MM - Suppliers of Petroleum Products	98.396(b)(7)	<u>Importers:</u> CO ₂ emissions that would result from the complete combustion or oxidation of the product, calculated according to §98.393(a).		ND										
MM - Suppliers of Petroleum Products	98.396(b)(8)	<u>Importers:</u> Sum of CO ₂ emissions that would result from the complete combustion oxidation of all imported products , calculated according to §98.393(e).		ND										

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MM - Suppliers of Petroleum Products	98.396(c)(1)	Exporters: Annual quantity by product in Table MM-1 by each quantity measurement standard method or other industry standard practice used. For natural gas liquids, quantity must reflect the individual components of the product.								C					
MM - Suppliers of Petroleum Products	98.396(c)(2)	Exporters: Annual quantity by product in Table MM-1								C					
MM - Suppliers of Petroleum Products	98.396(c)(3)	Exporters: Percent of the volume of the petroleum product or NGL from table MM-1 that is petroleum-based (excluding any denaturant that may be present in any ethanol product).								C					
MM - Suppliers of Petroleum Products	98.396(c)(4)	Exporters: Standard method or other industry standard practice used to measure each quantity of petroleum product or NGL reported in 98.396(c)(1)					X								
MM - Suppliers of Petroleum Products	98.396(c)(5)(i)	Exporters: Number of samples collected according to §98.394(c) for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X								
MM - Suppliers of Petroleum Products	98.396(c)(5)(ii)	Exporters: Sampling standard method used for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X								
MM - Suppliers of Petroleum Products	98.396(c)(5)(iii)	Exporters: Carbon share test results for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.								C					
MM - Suppliers of Petroleum Products	98.396(c)(5)(iv)	Exporters: Standard method used to test carbon share for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.					X								
MM - Suppliers of Petroleum Products	98.396(c)(5)(v)	Exporters: Calculated CO ₂ emissions factor for each product reported in paragraph (c)(2) for which Calculation Methodology 2 was used to determine an emissions factor.									C				
MM - Suppliers of Petroleum Products	98.396(c)(6)(i)	Exporters: Density test results for each non-solid product reported in paragraph (c)(2) for which Calculation Methodology 2 used was used to determine an emissions factor.									C				

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MM - Suppliers of Petroleum Products	98.396(c)(6)(ii)	<u>Exporters</u> : Standard method used to test density for which Calculation Methodology 2 used was used to determine an emissions factor.					X							
MM - Suppliers of Petroleum Products	98.396(c)(7)	<u>Exporters</u> : CO ₂ emissions that would result from the complete combustion or oxidation of the exported product, calculated according to §98.393(e).		C										
MM - Suppliers of Petroleum Products	98.396(c)(8)	<u>Exporters</u> : Sum of CO ₂ emissions that would result from the complete combustion oxidation of all exported products, calculated according to §98.393(e).		X										
MM - Suppliers of Petroleum Products	98.396(d)(1)(i)	<u>Producers and Exporters</u> - Blended feedstock and products: the volume or mass of each blending component of each product.						C						
MM - Suppliers of Petroleum Products	98.396(d)(1)(i)	<u>Producers and Exporters</u> - Blended feedstock and products: the volume or mass of each blending component of each feedstock.							C					
MM - Suppliers of Petroleum Products	98.396(d)(1)(i)	<u>Importer</u> : the volume or mass of each blending component of each product.						ND						
MM - Suppliers of Petroleum Products	98.396(d)(1)(i)	<u>Importer</u> - Blended feedstock and products: report the volume or mass of each blending component of each feedstock.							ND					
MM - Suppliers of Petroleum Products	98.396(d)(1)(ii)	<u>Producers and Exporters</u> : the CO ₂ emissions in metric tons that would result from the complete combustion or oxidation of each blended non-crude feedstock or product, using Equation MM-12 or Equation MM-13.		C										
MM - Suppliers of Petroleum Products	98.396(d)(1)(ii)	<u>Importers</u> : the CO ₂ emissions in metric tons that would result from the complete combustion or oxidation of each blended non-crude feedstock or product, using Equation MM-12 or Equation MM-13.		ND										
MM - Suppliers of Petroleum Products	98.396(d)(1)(iii)	Indicate whether it is a blended non-crude feedstock or a blended product.							C					
MM - Suppliers of Petroleum Products	98.396(d)(2)	<u>Producers</u> : Each refinery must report requirements of paragraph (a)(1) (i.e., annual quantity in metric tons or barrels by each measurement standard method or other industry standard practice) of this section by reflecting the individual components of the blended non-crude feedstock.							C					

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MM - Suppliers of Petroleum Products	98.396(d)(2)	<u>Producers:</u> Each refinery must report requirements of paragraph (a)(2) of this section (i.e., annual quantity in metric tons or barrels) by reflecting the individual components of the blended non-crude feedstock.								C				
MM - Suppliers of Petroleum Products	98.396(d)(3)	<u>Producers, Importers, and Exporters:</u> For a product that is produced, imported, or exported that is a blended product, refiners, importers, and exporters must meet the reporting requirements of paragraphs (a)(5), (a)(6), (b)(1), (b)(2), (c)(1), and (c)(2), as applicable, by reflecting the individual components of the blended product. ³												
NN - Suppliers of Natural Gas and NGLs	98.406(a)(1)	<u>NGL Fractionator:</u> Annual quantity of ethane product supplied to downstream facilities.							C					
NN - Suppliers of Natural Gas and NGLs	98.406(a)(1)	<u>NGL Fractionator:</u> Annual quantity of propane product supplied to downstream facilities.							C					
NN - Suppliers of Natural Gas and NGLs	98.406(a)(1)	<u>NGL Fractionator:</u> Annual quantity of normal butane product supplied to downstream facilities.							C					
NN - Suppliers of Natural Gas and NGLs	98.406(a)(1)	<u>NGL Fractionator:</u> Annual quantity of isobutane product supplied to downstream facilities.							C					
NN - Suppliers of Natural Gas and NGLs	98.406(a)(1)	<u>NGL Fractionator:</u> Annual quantity of pentanes plus product supplied to downstream facilities.							C					
NN - Suppliers of Natural Gas and NGLs	98.406(a)(2)	<u>NGL Fractionator:</u> Annual quantity of ethane product received from other NGL fractionators.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(a)(2)	<u>NGL Fractionator:</u> Annual quantity of propane product received from other NGL fractionators.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(a)(2)	<u>NGL Fractionator:</u> Annual quantity of normal butane product received from other NGL fractionators.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(a)(2)	<u>NGL Fractionator:</u> Annual quantity of isobutane product received from other NGL fractionators.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(a)(2)	<u>NGL Fractionator:</u> Annual quantity of pentanes plus product received from other NGL fractionators.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(a)(3)	<u>NGL Fractionator:</u> Annual volumes of natural gas received for processing.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(a)(4)	<u>NGL Fractionator:</u> Annual quantity of y-grade, bulk NGLs received from others for fractionation.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(a)(5)	<u>NGL Fractionator:</u> Annual quantity of propane that the NGL fractionator odorizes at the facility and delivers to others.							C					

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NN - Suppliers of Natural Gas and NGLs	98.406(a)(6)	<u>NGL Fractionator</u> : Annual CO ₂ emissions that would result from the complete combustion or oxidation of each NGL product supplied to downstream facilities.		C										
NN - Suppliers of Natural Gas and NGLs	98.406(a)(7)	<u>NGL Fractionator</u> : Annual CO ₂ emissions that would result from the complete combustion or oxidation of each NGL product received from other NGL fractionators.		C										
NN - Suppliers of Natural Gas and NGLs	98.406(a)(7)	<u>NGL Fractionator</u> : Annual CO ₂ mass emissions (metric tons) that would result from the combustion or oxidation of each fractionated NGLs supplied less the quantity received by fractionators, calculated in accordance with 98.403(c)(2). The reporter shall consider the volume delivered through a single particular meter at a single particular location as the volume delivered to an individual end-user.		C										
NN - Suppliers of Natural Gas and NGLs	98.406(a)(8)	<u>NGL Fractionator</u> : Specific industry standard used to measure each quantity product supplied to downstream facilities.					X							
NN - Suppliers of Natural Gas and NGLs	98.406(a)(9)(i)	<u>NGL Fractionator</u> : If the NGL LNG fractionator developed reporter-specific EFs or HHVs, report the specific industry standard(s) used to develop reporter-specific higher heating value(s) for each product type.					X							
NN - Suppliers of Natural Gas and NGLs	98.406(a)(9)(i)	<u>NGL Fractionator</u> : If the NGL LNG fractionator developed reporter-specific EFs or HHVs, report the specific industry standard(s) used to develop reporter-specific higher emission factors(s) for each product type.					X							
NN - Suppliers of Natural Gas and NGLs	98.406(a)(9)(ii)	<u>NGL Fractionator</u> : If the NGL LNG fractionator developed reporter-specific EFs or HHVs, report the developed HHV(s) for each product type.						C						
NN - Suppliers of Natural Gas and NGLs	98.406(a)(9)(iii)	<u>NGL Fractionator</u> : If the NGL LNG fractionator developed reporter-specific EFs or HHVs, report the developed EF(s) for each product type.			C									
NN - Suppliers of Natural Gas and NGLs	98.406(b)(1)	<u>LDCs</u> : Annual volume of natural gas received by the LDC at its city gate stations for redelivery on the LDC's distribution system, including for use by the LDC.							C					
NN - Suppliers of Natural Gas and NGLs	98.406(b)(2)	<u>LDCs</u> : Annual volume of natural gas placed into storage.							X					

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NN - Suppliers of Natural Gas and NGLs	98.406(b)(3)	LDCs: Annual volume of vaporized liquefied natural gas (LNG) produced at on-system vaporization facilities for delivery on the distribution system.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(b)(4)	LDCs: Annual volume of natural gas withdrawn from on-system storage (that is not delivered to the city gate) for delivery on the distribution system.						X						
NN - Suppliers of Natural Gas and NGLs	98.406(b)(5)	LDCs: Annual volume of natural gas delivered directly to LDC systems from producers or natural gas processing plants from local production.								C				
NN - Suppliers of Natural Gas and NGLs	98.406(b)(6)	LDCs: Annual volume of natural gas delivered to downstream gas transmission pipelines and other local distribution companies.						X						
NN - Suppliers of Natural Gas and NGLs	98.406(b)(7)	LDCs: Annual volume of natural gas delivered by LDC to each meter registering supply equal to or greater than 460,000 Mscf during the calendar year.										C		
NN - Suppliers of Natural Gas and NGLs	98.406(b)(8)	LDCs: Total annual CO ₂ mass emissions associated with annual volume of natural gas received by the LDC at its city gate (98.406(b)(1)).		X										
NN - Suppliers of Natural Gas and NGLs	98.406(b)(8)	LDCs: Total annual CO ₂ mass emissions associated with annual volume of natural gas placed into storage (98.406(b)(2)).		X										
NN - Suppliers of Natural Gas and NGLs	98.406(b)(8)	LDCs: Total annual CO ₂ mass emissions associated with annual volume of vaporized liquefied natural gas (LNG) produced at on-system vaporization facilities for delivery on the distribution system (98.406(b)(3)).		X										
NN - Suppliers of Natural Gas and NGLs	98.406(b)(8)	LDCs: Total annual CO ₂ mass emissions associated with annual volume of natural gas withdrawn from on-system storage (that is not delivered to the city gate) for delivery on the distribution system (98.406(b)(4)).		X										
NN - Suppliers of Natural Gas and NGLs	98.406(b)(8)	LDCs: Total annual CO ₂ mass emissions associated with annual volume of natural gas delivered directly to LDC systems from producers or natural gas processing plants from local production (98.406(b)(5)).		X										
NN - Suppliers of Natural Gas and NGLs	98.406(b)(8)	LDCs: Total annual CO ₂ mass emissions (associated with annual volume in Mscf of natural gas delivered to downstream gas transmission pipelines and other local distribution companies (98.406(b)(6)).		X										

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			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMB Extension Requests		
NN - Suppliers of Natural Gas and NGLs	98.406(b)(8)	LDCs: Total annual CO ₂ mass emissions associated with annual volume in Mscf of natural gas delivered by LDC to each meter registering supply equal to or greater than 460,000 Mscf during the calendar year.		X											
NN - Suppliers of Natural Gas and NGLs	98.406(b)(9)	LDCs: Annual CO ₂ emissions that would result from the complete combustion or oxidation of the annual supply of natural gas to end-users registering less than 460,000 Mscf, calculated in accordance with §98.403(b)(4).		X											
NN - Suppliers of Natural Gas and NGLs	98.406(b)(10)	LDCs: Specific industry standard used to develop the volume of natural gas received by the LDC at its city gate stations for redelivery on the LDC's distribution system, including for use by the LDC.					X								
NN - Suppliers of Natural Gas and NGLs	98.406(b)(11)(i)	LDCs: Specific industry standard(s) used to develop reporter-specific higher heating value(s).					X								
NN - Suppliers of Natural Gas and NGLs	98.406(b)(11)(i)	LDCs: Specific industry standard(s) used to develop reporter-specific higher emission factors(s) or HHVs.					X								
NN - Suppliers of Natural Gas and NGLs	98.406(b)(11)(ii)	LDCs: Developed HHV(s).							X						
NN - Suppliers of Natural Gas and NGLs	98.406(b)(11)(iii)	LDCs: Developed EF(s).													
NN - Suppliers of Natural Gas and NGLs	98.406(b)(12)	LDCs: Customer name for each meter reading used to report in paragraph (b)(7).												C	
NN - Suppliers of Natural Gas and NGLs	98.406(b)(12)	LDCs: Customer address for each meter reading used to report in paragraph (b)(7).												C	
NN - Suppliers of Natural Gas and NGLs	98.406(b)(12)	LDCs: Meter number for each meter reading used to report in paragraph (b)(7).												C	
NN - Suppliers of Natural Gas and NGLs	98.406(b)(12)(i)	LDCs: EIA identification number of each LDC customer for each meter reading used to report in paragraph (b)(7).												C	
NN - Suppliers of Natural Gas and NGLs	98.406(b)(13)(i)	LDCs: Annual volume of natural gas delivered by the LDC to Residential consumers.								X					
NN - Suppliers of Natural Gas and NGLs	98.406(b)(13)(ii)	LDCs: Annual volume of natural gas delivered by the LDC to Commercial consumers.								X					
NN - Suppliers of Natural Gas and NGLs	98.406(b)(13)(iii)	LDCs: Annual volume of natural gas delivered by the LDC to Industrial consumers.								X					
NN - Suppliers of Natural Gas and NGLs	98.406(b)(13)(iv)	LDCs: Annual volume of natural gas delivered by the LDC to Electricity generating facilities.								X					

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NN - Suppliers of Natural Gas and NGLs	98.406(c)(i)	<u>NGL Fractionators and LDCs</u> : Number of days in the reporting year for which substitute data procedures were used to measure quantity.										X		
NN - Suppliers of Natural Gas and NGLs	98.406(c)(ii)	<u>NGL Fractionators and LDCs</u> : Number of days in the reporting year for which substitute data procedures were used to develop HHV(s).										X		
NN - Suppliers of Natural Gas and NGLs	98.406(c)(iii)	<u>NGL Fractionators and LDCs</u> : Number of days in the reporting year for which substitute data procedures were used to develop EF(s).										X		
OO - Suppliers of Industrial GHGs	98.416(a)(1)	<u>Producers</u> : Mass of each fluorinated GHG produced ¹		C				C						
OO - Suppliers of Industrial GHGs	98.416(a)(1)	<u>Producers</u> : Mass of N ₂ O produced ¹		C				C						
OO - Suppliers of Industrial GHGs	98.416(a)(2)	<u>Producers</u> : Mass of each fluorinated GHG transformed at that facility ¹		C				C						
OO - Suppliers of Industrial GHGs	98.416(a)(2)	<u>Producers</u> : Mass of N ₂ O transformed at that facility ¹		C				C						
OO - Suppliers of Industrial GHGs	98.416(a)(3)	<u>Producers</u> : Mass of each fluorinated GHG that is destroyed at the facility and that was previously produced as defined in 98.410(b). Quantities to be reported under this paragraph include but are not limited to quantities that are shipped to the facility by another facility for destruction and quantities that are returned to the facility for reclamation but are found to be irretrievably contaminated and are therefore destroyed. ¹		C				C						
OO - Suppliers of Industrial GHGs	98.416(a)(5)	<u>Producers</u> : Total mass of each fluorinated GHG or nitrous oxide sent to another facility for transformation						C						

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OO - Suppliers of Industrial GHGs	98.416(a)(6)	<u>Producers:</u> Total mass in metric tons of each fluorinated GHG sent to another facility for destruction, except fluorinated GHGs that are not included in the mass produced in §98.413(a) because they are removed from the production process as by-products or other wastes. Quantities to be reported under this paragraph (a)(6) could include, for example, fluorinated GHGs that are returned to the facility for reclamation but are found to be irretrievably contaminated and are therefore sent to another facility for destruction.							C					
OO - Suppliers of Industrial GHGs	98.416(a)(7)	<u>Producers:</u> Total mass in metric tons of each fluorinated GHG that is sent to another facility for destruction and that is not included in the mass produced in §98.413(a) because it is removed from the production process as a byproduct or other waste.							C					
OO - Suppliers of Industrial GHGs	98.416(a)(8)	<u>Producers:</u> Total mass of each reactant fed into the F-GHG or nitrous oxide production process								C				
OO - Suppliers of Industrial GHGs	98.416(a)(9)	<u>Producers:</u> Total mass of the reactants permanently removed from the FGHG or nitrous oxide production process							C					
OO - Suppliers of Industrial GHGs	98.416(a)(9)	<u>Producers:</u> Total mass of the by-products permanently removed from the FGHG or nitrous oxide production process							C					
OO - Suppliers of Industrial GHGs	98.416(a)(9)	<u>Producers:</u> Total mass of the other wastes permanently removed from the FGHG or nitrous oxide production process							C					
OO - Suppliers of Industrial GHGs	98.416(a)(10)	<u>Producers:</u> Mass of any fluorinated GHG or nitrous oxide fed into the transformation process								C				
OO - Suppliers of Industrial GHGs	98.416(a)(11)	<u>Producers:</u> Mass of each fluorinated GHG that is fed into the destruction device and that was previously produced as defined in 98.410(b). Quantities to be reported under this paragraph include but are not limited to quantities that are shipped to the facility by another facility for destruction and quantities that are returned to the facility for reclamation but are found to be irretrievably contaminated and are therefore destroyed.							C					

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OO - Suppliers of Industrial GHGs	98.416(a)(12)	<u>Producers:</u> Mass of each fluorinated GHG or nitrous oxide that is measured coming out of the production process							C						
OO - Suppliers of Industrial GHGs	98.416(a)(13)	<u>Producers:</u> Mass of each used fluorinated GHGs or nitrous oxide added back into the production process								C					
OO - Suppliers of Industrial GHGs	98.416(a)(14)	<u>Producers:</u> Names of facilities to which any nitrous oxide or fluorinated GHGs were sent for transformation											C		
OO - Suppliers of Industrial GHGs	98.416(a)(14)	<u>Producers:</u> Addresses of facilities to which any nitrous oxide or fluorinated GHGs were sent for transformation											C		
OO - Suppliers of Industrial GHGs	98.416(a)(14)	<u>Producers:</u> Quantities (in metric tons) of nitrous oxide or each fluorinated GHGs that were sent for transformation							C						
OO - Suppliers of Industrial GHGs	98.416(a)(15)	<u>Producers:</u> Names of facilities to which any fluorinated GHGs were sent for destruction											C		
OO - Suppliers of Industrial GHGs	98.416(a)(15)	<u>Producers:</u> Addresses of facilities to which any fluorinated GHGs were sent for destruction											C		
OO - Suppliers of Industrial GHGs	98.416(a)(15)	<u>Producers:</u> Quantities (in metric tons) of nitrous oxide or each fluorinated GHGs that were sent for destruction							C						
OO - Suppliers of Industrial GHGs	98.416(a)(16)	<u>Producers:</u> Reason the data were missing									C				
OO - Suppliers of Industrial GHGs	98.416(a)(16)	<u>Producers:</u> Length of time the data were missing									C				
OO - Suppliers of Industrial GHGs	98.416(a)(16)	<u>Producers:</u> Method used to estimate the missing data									C				
OO - Suppliers of Industrial GHGs	98.416(a)(16)	<u>Producers:</u> Estimates of the missing data									C				
OO - Suppliers of Industrial GHGs	98.416(b)(1)	<u>Producers and Importers:</u> One time report: Destruction efficiency (DE) of each destruction unit				X									
OO - Suppliers of Industrial GHGs	98.416(b)(2)	<u>Producers and Importers:</u> One time report: Methods used to determine the destruction efficiency					X								
OO - Suppliers of Industrial GHGs	98.416(b)(3)	<u>Producers and Importers:</u> One time report: Methods used to record the mass of fluorinated GHG destroyed					X								
OO - Suppliers of Industrial GHGs	98.416(b)(4)	<u>Producers and Importers:</u> One time report: Chemical identity of the fluorinated GHG(s) used in the performance test conducted to determine DE				X									

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OO - Suppliers of Industrial GHGs	98.416(b)(5)	<u>Producers and Importers:</u> One time report: Name of all applicable federal or state regulations that may apply to the destruction process				X								
OO - Suppliers of Industrial GHGs	98.416(b)(6)	<u>Producers and Importers:</u> Revised report that includes the data in 98.416(b)(1)-(b)(5), if any process changes affect unit destruction efficiency or the methods used to record mass of fluorinated GHG destroyed. ³												
OO - Suppliers of Industrial GHGs	98.416(c)(1)	<u>Importers:</u> Total mass in metric tons of nitrous oxide and each fluorinated GHG imported in bulk including each fluorinated GHG constituent of the fluorinated GHG product that makes up between 0.5 percent and 100 percent of the product by mass. ¹		C				C						
OO - Suppliers of Industrial GHGs	98.416(c)(2)	<u>Importers:</u> Total mass in metric tons of nitrous oxide and each fluorinated GHG imported in bulk and sold or transferred to persons other than the importer for use in processes resulting in the transformation or destruction of the chemical.						C						
OO - Suppliers of Industrial GHGs	98.416(c)(3)	<u>Importers:</u> The date on which the fluorinated GHGs or nitrous oxide were imported.				C								
OO - Suppliers of Industrial GHGs	98.416(c)(4)	<u>Importers:</u> The port of entry through which the fluorinated GHGs or nitrous oxide passed.				C								
OO - Suppliers of Industrial GHGs	98.416(c)(5)	<u>Importers:</u> Each bulk importer of fluorinated GHGs or nitrous oxide shall submit an annual report that summarizes its imports at the corporate level, except for shipments including less than twenty-five kilograms of fluorinated GHGs or nitrous oxide, transshipments, and heels that meet the conditions set forth at §98.417(e). The report must include: the country from which the imported fluorinated GHGs or nitrous oxide were imported .										C		
OO - Suppliers of Industrial GHGs	98.416(c)(6)	<u>Importers:</u> The commodity code of the fluorinated GHGs or nitrous oxide shipped.						C						

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OO - Suppliers of Industrial GHGs	98.416(c)(7)	<u>Importers:</u> The importer number for the shipment.	X												
OO - Suppliers of Industrial GHGs	98.416(c)(8)	<u>Importers:</u> Total mass of each fluorinated GHG destroyed by the importer. ¹		C				C							
OO - Suppliers of Industrial GHGs	98.416(c)(9)	<u>Importers:</u> The names of facilities to which any nitrous oxide or fluorinated GHGs were sold or transferred for transformation.											C		
OO - Suppliers of Industrial GHGs	98.416(c)(9)	<u>Importers:</u> The addresses of facilities to which any nitrous oxide or fluorinated GHGs were sold or transferred for transformation.											C		
OO - Suppliers of Industrial GHGs	98.416(c)(9)	<u>Importers:</u> The quantities of nitrous oxide or each fluorinated GHGs that were sold or transferred for transformation.						C							
OO - Suppliers of Industrial GHGs	98.416(c)(10)	<u>Importers:</u> The names of facilities to which any fluorinated GHGs were sold or transferred to each facility for destruction.											C		
OO - Suppliers of Industrial GHGs	98.416(c)(10)	<u>Importers:</u> The addresses of facilities to which any fluorinated GHGs were sold or transferred to each facility for destruction.											C		
OO - Suppliers of Industrial GHGs	98.416(c)(10)	<u>Importers:</u> Quantities (in metric tons) of nitrous oxide or each fluorinated GHGs that were sold or transferred to each facility for destruction.						C							
OO - Suppliers of Industrial GHGs	98.416(d)(1)	<u>Exporters:</u> The total mass of nitrous oxide and each fluorinated GHG exported in bulk. ¹		C				C							
OO - Suppliers of Industrial GHGs	98.416(d)(2)	<u>Exporters:</u> The name of the exporter.	X												
OO - Suppliers of Industrial GHGs	98.416(d)(2)	<u>Exporters:</u> The address of the exporter.	X												
OO - Suppliers of Industrial GHGs	98.416(d)(2)	<u>Exporters:</u> The name of the receiver.											C		
OO - Suppliers of Industrial GHGs	98.416(d)(2)	<u>Exporters:</u> The address of the receiver.											C		
OO - Suppliers of Industrial GHGs	98.416(d)(3)	<u>Exporters:</u> The exporter's Employee Identification Number.	X												
OO - Suppliers of Industrial GHGs	98.416(d)(4)	<u>Exporters:</u> The commodity code of the fluorinated GHGs and nitrous oxide shipped.						C							

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OO - Suppliers of Industrial GHGs	98.416(d)(5)	<u>Exporters:</u> The date on which the fluorinated GHGs and nitrous oxide were exported from the United States or its territories.				C								
OO - Suppliers of Industrial GHGs	98.416(d)(5)	<u>Exporters:</u> The port from which the fluorinated GHGs and nitrous oxide were exported from the United States or its territories.				C								
OO - Suppliers of Industrial GHGs	98.416(d)(6)	<u>Exporters:</u> The country to which the fluorinated GHGs or nitrous oxide were exported.										C		
OO - Suppliers of Industrial GHGs	98.416(e)(1)	<u>Producers:</u> One time report: Method(s) by which the producer in practice measures the mass of fluorinated GHGs produced.					X							
OO - Suppliers of Industrial GHGs	98.416(e)(1)	<u>Producers:</u> One time report: Accuracy of the instrumentation by which the producer in practice measures the mass of fluorinated GHGs produced					X							
OO - Suppliers of Industrial GHGs	98.416(e)(1)	<u>Producers:</u> One time report: Precision of the instrumentation by which the producer in practice measures the mass of fluorinated GHGs produced					X							
OO - Suppliers of Industrial GHGs	98.416(e)(2)	<u>Producers:</u> One time report: Method(s) by which the producer in practice estimates the mass of fluorinated GHGs fed into the transformation process.					X							
OO - Suppliers of Industrial GHGs	98.416(e)(2)	<u>Producers:</u> One time report: Accuracy of the instrumentation by which the producer in practice estimates the mass of fluorinated GHGs fed into the transformation process					X							
OO - Suppliers of Industrial GHGs	98.416(e)(2)	<u>Producers:</u> One time report: Precision of the instrumentation by which the producer in practice estimates the mass of fluorinated GHGs fed into the transformation process					X							
OO - Suppliers of Industrial GHGs	98.416(e)(3)	<u>Producers:</u> One time report: Method(s) by which the producer in practice estimates the fraction of fluorinated GHGs fed into the transformation process that is actually transformed.					X							
OO - Suppliers of Industrial GHGs	98.416(e)(3)	One time report: Accuracy of the instrumentation by which the producer in practice estimates the fraction of fluorinated GHGs fed into the transformation process that is actually transformed					X							

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OO - Suppliers of Industrial GHGs	98.416(e)(3)	<u>Producers:</u> One time report: Precision of the instrumentation by which the producer in practice estimates the fraction of fluorinated GHGs fed into the transformation process that is actually transformed					X							
OO - Suppliers of Industrial GHGs	98.416(e)(4)	One time report: Method(s) by which the producer in practice estimates the concentration of the fluorinated GHGs in the destroyed material					X							
OO - Suppliers of Industrial GHGs	98.416(e)(4)	<u>Producers:</u> One time report: Accuracy of the estimate by the producer of the concentration of the fluorinated GHGs in the destroyed material					X							
OO - Suppliers of Industrial GHGs	98.416(e)(4)	<u>Producers:</u> One time report: Precision of the estimate by the producer of the concentration of the fluorinated GHGs in the destroyed material					X							
OO - Suppliers of Industrial GHGs	98.416(e)(5)	<u>Producers:</u> One time report: Estimated percent efficiency of each production process for the fluorinated GHG produced.				C								
OO - Suppliers of Industrial GHGs	98.416(f)	<u>Producers:</u> One time report to be submitted by March 31, 2011: the concentration of each fluorinated GHG constituent in each fluorinated GHG product as measured under 98.414(n).							C					
OO - Suppliers of Industrial GHGs	98.416(f)	<u>Producers:</u> If the facility commences production of a fluorinated GHG product that was not included in the initial report or performs a repeat measurement under 98.414(n) that shows that the identities or concentrations of the fluorinated GHG constituents of a fluorinated GHG product have changed, the fluorinated GHG production facility must submit a revised report by March 31 of year following the change. The report must contain new or changed concentrations for the fluorinated GHG product.								C				
OO - Suppliers of Industrial GHGs	98.416(f)	<u>Producers:</u> If the facility commences production of a fluorinated GHG product that was not included in the initial report or performs a repeat measurement under 98.414(n) that shows that the identities or concentrations of the fluorinated GHG constituents of a fluorinated GHG product have changed, then the fluorinated GHG production facility must report the date of change.					X							

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PP - Suppliers of Carbon Dioxide	98.426(a)(1)	If using PP-1, report the annual mass of CO ₂ for each mass flow meter or stream that delivers CO ₂ to containers. (Reported by industrial CO ₂ production facilities and importers/exporters). ¹		C					C					
PP - Suppliers of Carbon Dioxide	98.426(a)(1)	If using PP-1, report the annual mass of CO ₂ for each mass flow meter or stream that delivers CO ₂ to containers. (Reported by CO ₂ production wells).		X					X					
PP - Suppliers of Carbon Dioxide	98.426(a)(2)	If using PP-1, report the quarterly mass in metric tons of CO ₂ for each mass flow meter or stream that delivers CO ₂ to containers (Reported by industrial CO ₂ production facilities and importers/exporters). ¹							C					
PP - Suppliers of Carbon Dioxide	98.426(a)(2)	If using PP-1, report the quarterly mass in metric tons of CO ₂ for each mass flow meter or stream that delivers CO ₂ to containers (Reported by CO ₂ production wells).							X					
PP - Suppliers of Carbon Dioxide	98.426(a)(3)	If using PP-1, report the quarterly concentration of the CO ₂ stream for each mass flow meter or CO ₂ stream that delivers CO ₂ to containers (Reported by industrial CO ₂ production facilities and importers/exporters).							C					
PP - Suppliers of Carbon Dioxide	98.426(a)(3)	If using PP-1, report the quarterly concentration of the CO ₂ stream for each mass flow meter or stream that delivers CO ₂ to containers (Reported by CO ₂ production wells).							X					
PP - Suppliers of Carbon Dioxide	98.426(a)(4)	If using PP-1, report the standard used to measure CO ₂ concentration for each mass flow meter or stream that delivers CO ₂ to containers.						X						
PP - Suppliers of Carbon Dioxide	98.426(a)(5)	If using PP-1, report the location of each mass flow meter in your process chain in relation to the points of CO ₂ stream capture, dehydration, compression, and other processing.				X								
PP - Suppliers of Carbon Dioxide	98.426(b)(1)	If using PP-2, report the annual mass of CO ₂ for each for each volumetric flow meter or CO ₂ stream that delivers CO ₂ to containers. (Reported by industrial CO ₂ production facilities and importers/exporters). ¹		C					C					
PP - Suppliers of Carbon Dioxide	98.426(b)(1)	If using PP-2, report the annual mass of CO ₂ for each volumetric flow meter or stream that delivers CO ₂ to containers (Reported by CO ₂ production wells).		X					X					

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

KEY:

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2: Data element is CBI if reporter supplies only one product.

3: This data element is not assigned to a category because the data element refers to a reporting requirement specified under another requirement in the same subpart or a different subpart that has already been assigned to a category.

N = No determination has been made for this data element. The information submitted under this data element will be assessed on a case-by-case basis.

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Subpart	Reporting Section	Data Element	Category												
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMB Extension Requests		
PP - Suppliers of Carbon Dioxide	98.426(b)(2)	If using PP-2, report the quarterly volume in standard cubic meters of CO ₂ for each volumetric flow meter or CO ₂ stream that delivers CO ₂ to containers. (Reported by industrial CO ₂ production facilities and importers/exporters).								C					
PP - Suppliers of Carbon Dioxide	98.426(b)(2)	If using PP-2, report the quarterly volume in standard cubic meters of CO ₂ for each volumetric flow meter or stream that delivers CO ₂ to containers (Reported by CO ₂ production wells).								X					
PP - Suppliers of Carbon Dioxide	98.426(b)(3)	If using PP-2, report the quarterly concentration of the CO ₂ stream for each volumetric flow meter or stream that delivers CO ₂ to containers (Reported by industrial CO ₂ production facilities and importers/exporters).								C					
PP - Suppliers of Carbon Dioxide	98.426(b)(3)	If using PP-2, report the quarterly concentration of the CO ₂ stream for each mass flow meter or stream that delivers CO ₂ to containers (Reported by CO ₂ production wells).								X					
PP - Suppliers of Carbon Dioxide	98.426(b)(4)	If using PP-2, report the quarterly density of the CO ₂ stream for each volumetric flow meter or CO ₂ stream that delivers CO ₂ to containers (Reported by industrial CO ₂ production facilities and importer/exporters).								C					
PP - Suppliers of Carbon Dioxide	98.426(b)(4)	If using PP-2, report the quarterly density of the CO ₂ stream for each volumetric flow meter or stream that delivers CO ₂ to containers (Reported by CO ₂ production wells).								X					
PP - Suppliers of Carbon Dioxide	98.426(b)(5)	If using PP-2, report the method used to measure density for each mass flow meter or stream that delivers CO ₂ to containers.						X							
PP - Suppliers of Carbon Dioxide	98.426(b)(6)	If using PP-2, report the standard used to measure CO ₂ concentration for each mass flow meter or stream that delivers CO ₂ to containers.						X							
PP - Suppliers of Carbon Dioxide	98.426(b)(7)	If using PP-2, report the location of each volumetric flow meter in your process chain in relation to the points of CO ₂ stream capture, dehydration, compression, and other processing or stream that delivers CO ₂ to containers.				X									

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

KEY:

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Subpart	Reporting Section	Data Element	Category											
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMB Extension Requests	
PP - Suppliers of Carbon Dioxide	98.426(c)(1)	If using PP-3a: Annual mass of CO ₂ from all flow meters and CO ₂ streams that deliver CO ₂ to containers (Reported by industrial CO ₂ production facilities).		C					C					
PP - Suppliers of Carbon Dioxide	98.426(c)(1)	If using PP-3a, Annual mass of CO ₂ from all flow meters and CO ₂ streams that deliver CO ₂ to containers (Reported by CO ₂ production wells).		X					X					
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(i)	If using PP-3b, the total annual CO ₂ mass through main flow meter(s) in metric tons (Reported by industrial CO ₂ production facilities).		C					C					
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(i)	If using PP-3b, the total annual CO ₂ mass through main flow meter(s) in metric tons (Reported by CO ₂ production wells).		X					X					
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(ii)	If using PP-3b, the total annual CO ₂ mass through subsequent flow meter(s) in metric tons (Reported by industrial CO ₂ production facilities).		C					C					
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(ii)	If using PP-3b, the total annual CO ₂ mass through subsequent flow meter(s) in metric tons (Reported by CO ₂ production wells).		X					X					
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(iii)	If using PP-3b, the total annual CO ₂ mass supplied in metric tons (Reported by industrial CO ₂ production facilities).		C					C					
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(iii)	If using PP-3b, the total annual CO ₂ mass supplied in metric tons (Reported by CO ₂ production wells).		X					X					
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(iv)	If using PP-3b, the location of each flow meter in relation to the point of segregation.				X								
PP - Suppliers of Carbon Dioxide	98.426(d)	If using PP-4, the annual mass of CO ₂ - imported in containers		C					C					
PP - Suppliers of Carbon Dioxide	98.426(d)	If using PP-4, report the annual mass of CO ₂ - exported in containers		C					C					
PP - Suppliers of Carbon Dioxide	98.426(e)(1)	Type of equipment used to measure the total flow of the CO ₂ stream					X							
PP - Suppliers of Carbon Dioxide	98.426(e)(1)	Type of equipment used to measure the total mass or volume in CO ₂ containers					X							
PP - Suppliers of Carbon Dioxide	98.426(e)(2)	Standard used to operate and calibrate the equipment reported in (e)(1) of this section.					X							
PP - Suppliers of Carbon Dioxide	98.426(e)(3)(i)	Number of days in the reporting year for which substitute data procedures were used to measure quantity									X			

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			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests	
PP - Suppliers of Carbon Dioxide	98.426(e)(3)(ii)	Number of days in the reporting year for which substitute data procedures were used to measure concentration										X		
PP - Suppliers of Carbon Dioxide	98.426(e)(3)(iii)	Number of days in the reporting year for which substitute data procedures were used to measure density										X		
PP - Suppliers of Carbon Dioxide	98.426(f)(1)	Aggregated annual quantity of CO ₂ that is transferred to food and beverage end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(1)	Aggregated annual quantity of CO ₂ that is transferred to food and beverage end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(2)	Aggregated annual quantity of CO ₂ that is transferred to industrial and municipal water/wastewater treatment end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(2)	Aggregated annual quantity of CO ₂ that is transferred to industrial and municipal water/wastewater treatment end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(3)	Aggregated annual quantity of CO ₂ that is transferred to metal fabrication, including welding and cutting (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(3)	Aggregated annual quantity of CO ₂ that is transferred to metal fabrication, including welding and cutting (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(4)	Aggregated annual quantity of CO ₂ that is transferred to greenhouse uses for plant growth (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(4)	Aggregated annual quantity of CO ₂ that is transferred to greenhouse uses for plant growth (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(5)	Aggregated annual quantity of CO ₂ that is transferred to fumigants (e.g., grain storage) and herbicides end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(5)	Aggregated annual quantity of CO ₂ that is transferred to fumigants (e.g., grain storage) and herbicides end use applications (reported by industrial CO ₂ production plants)						C						

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

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Subpart	Reporting Section	Data Element	Category											
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMB Extension Requests	
PP - Suppliers of Carbon Dioxide	98.426(f)(6)	Aggregated annual quantity of CO ₂ that is transferred to pulp and paper end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(6)	Aggregated annual quantity of CO ₂ that is transferred to pulp and paper end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(7)	Aggregated annual quantity of CO ₂ that is transferred to cleaning and solvent use end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(7)	Aggregated annual quantity of CO ₂ that is transferred to cleaning and solvent use end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(8)	Aggregated annual quantity of CO ₂ that is transferred to fire fighting end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(8)	Aggregated annual quantity of CO ₂ that is transferred to fire fighting end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(9)	Aggregated annual quantity of CO ₂ that is transferred to transportation and storage of explosives end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(9)	Aggregated annual quantity of CO ₂ that is transferred to transportation and storage of explosives end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(10)	Aggregated annual quantity of CO ₂ that is transferred to enhanced oil and natural gas recovery end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(10)	Aggregated annual quantity of CO ₂ that is transferred to enhanced oil and natural gas recovery end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(11)	Aggregated annual quantity of CO ₂ that is transferred to long-term storage (sequestration) end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(11)	Aggregated annual quantity of CO ₂ that is transferred to long-term storage (sequestration) end use applications (reported by industrial CO ₂ production plants)						C						

Table A-2: Suppliers: Final Data Category Assignments and Confidentiality Determinations

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Subpart	Reporting Section	Data Element	Category											
			Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Calculation, Test, and Calibration Methods	Production/ Throughput Quantities and Composition	Amount & Composition of Materials Received	Data Elements Reported for Periods of Missing Data That are Related to Production/ Throughput or Materials Received	Data Elements Reported for Periods of Missing Data That are Not Related to Production/ Throughput or Materials Received	Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests	
PP - Suppliers of Carbon Dioxide	98.426(f)(12)	Aggregated annual quantity of CO ₂ that is transferred to research and development end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(12)	Aggregated annual quantity of CO ₂ that is transferred to research and development end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(f)(13)	Aggregated annual quantity of CO ₂ that is transferred to other end use applications (reported by CO ₂ production wells)						X						
PP - Suppliers of Carbon Dioxide	98.426(f)(13)	Aggregated annual quantity of CO ₂ that is transferred to other end use applications (reported by industrial CO ₂ production plants)						C						
PP - Suppliers of Carbon Dioxide	98.426(g)	Percent of captured CO ₂ stream that is biomass based for each production process unit that captures a CO ₂ stream for purposes of supplying CO ₂ for commercial applications or in order to sequester or otherwise inject it underground when custody of the CO ₂ is maintained.				X								

Appendix B:

List of New Data Elements Added through Part 98 Technical Corrections and Revision Notices: 75 FR 66434, October 28, 2011 and 75 FR 79092, December 17, 2010

Table B-1: Direct Emitters

Table B-2: Suppliers

Table B-1: Direct Emitters - List of New Data Elements Added through Part 98 Technical Corrections and Revision Notices

Subpart	Reporting Section	Data Element	Category	Determination	This Data Element is Similar to Proposed Data Element . . .
A - General Reporting Requirements	98.3(c)(12)(i)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions aggregated for all GHG from all applicable source categories, expressed in metric tons of CO ₂ e calculated using Equation A-1. You must include biogenic CO ₂ emissions from part 75 units, but exclude biogenic CO ₂ emissions from any non-part 75 units and other source categories.	Emissions	Emission data (not eligible for CBI treatment)	98.3(d)(3)(iv) Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄
A - General Reporting Requirements	98.3(c)(12)(ii)	For the 2010 reporting year only, facilities that have part 75 units: annual emission of biogenic CO ₂ , expressed in metric tons (excluding biogenic CO ₂ emissions from part 75 units), aggregated for all applicable source categories.	Emissions	Emission data (not eligible for CBI treatment)	98.3(d)(3)(iv) Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄
A - General Reporting Requirements	98.3(c)(12)(iii)(A)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of biogenic CO ₂ (excluding biogenic CO ₂ emissions from part 75 units).	Emissions	Emission data (not eligible for CBI treatment)	98.3(d)(3)(iv) Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄
A - General Reporting Requirements	98.3(c)(12)(iii)(B)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of CO ₂ . You must include biogenic CO ₂ emissions from part 75 units in these totals and exclude biogenic CO ₂ emissions from other non-part 75 units and other source categories.	Emissions	Emission data (not eligible for CBI treatment)	98.3(d)(3)(iv) Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄
A - General Reporting Requirements	98.3(c)(12)(iii)(C)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of CH ₄	Emissions	Emission data (not eligible for CBI treatment)	98.3(d)(3)(iv) Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄
A - General Reporting Requirements	98.3(c)(12)(iii)(D)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of N ₂ O	Emissions	Emission data (not eligible for CBI treatment)	98.3(d)(3)(iv) Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄
A - General Reporting Requirements	98.3(c)(12)(iii)(E)	For the 2010 reporting year only, facilities that have part 75 units: annual emissions from each applicable source category, expressed in metric tons of each fluorinated GHG (including those not listed in Table A-1 of this subpart).	Emissions	Emission data (not eligible for CBI treatment)	98.3(d)(3)(iv) Total facility GHG emissions aggregated for all combustion units calculated according to any method specified in 98.33(a) and expressed in metric tons of CH ₄
Y - Petroleum Refineries	98.256(e)(8)	Indicate whether the annual volume of flare gas combusted and the annual average higher heating value of the flare gas were determined using standard conditions of 68 °F and 14.7 psia or 60 °F and 14.7 psia	Calculation Methodology & Methodological Tier	Not CBI	98.326(p) Annual operating hours of the primary destruction device.
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: an indication of whether active aeration of the waste in the landfill was conducted during the reporting year.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.346(a). Indication of whether leachate recirculation is used during the reporting year
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: a description of the aeration system, including aeration blower capacity.	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.346(h) Each landfill without a gas collection system, indicate 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.
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: the fraction of the landfill containing waste affected by the aeration.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.346(f) Surface area of the landfill containing waste
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: the total number of hours during the year the aeration blower was operated.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.36(e)(2)(vi)(A) The total number of source operating hours in the reporting year.
HH - Municipal Solid Waste Landfills	98.346(d)(1)	If MCF value other than the default of 1 is used, provide: other factors used as a basis for the selected MCF value.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.346(i)(7) Estimate waste depth as specified in Table HH-3

KEY:

CBI = Data Element is considered to be confidential business information.

Not CBI = Data Element is not eligible for confidential treatment

Table B-2: Suppliers - List of New Data Elements Added Through Part 98 Technical Corrections and Revision Notices

Subpart	Reporting Section	Data Element	Category	Determination	This Data Element is Similar to Proposed Data Element . . .
MM - Suppliers of Petroleum Products	98.396(a)(20)(v)	EIA crude stream code for the crude stream batch, if known.	Materials Received (Amount and Composition)	CBI	98.396(a)(20)(iv) Country of origin of the batch, if known, and if the data in paragraphs (v) and (vi) are unknown.
MM - Suppliers of Petroleum Products	98.396(a)(20)(v)	Crude stream name of the batch, if known.	Materials Received (Amount and Composition)	CBI	98.396(a)(20)(iv) Country of origin of the batch, if known, and if the data in paragraphs (v) and (vi) are unknown.
MM - Suppliers of Petroleum Products	98.396(a)(20)(vi)	Generic name for the crude stream, if known and if no appropriate EIA crude stream code exists.	Materials Received (Amount and Composition)	CBI	98.396(a)(20)(iv) Country of origin of the batch, if known, and if the data in paragraphs (v) and (vi) are unknown.
MM - Suppliers of Petroleum Products	98.396(a)(20)(vi)	The appropriate EIA two-letter country or state and production area code of the batch, if known and if no appropriate EIA crude stream code exists.	Materials Received (Amount and Composition)	CBI	98.396(a)(20)(iv) Country of origin of the batch, if known, and if the data in paragraphs (v) and (vi) are unknown.
MM - Suppliers of Petroleum Products	98.396(a)(22)	Volume of crude oil in barrels that you injected into a crude oil supply or reservoir. A volume of crude oil that entered the refinery, but was not reported in paragraphs (a)(2) or (a)(20), shall not be reported under this paragraph.	Materials Received (Amount and Composition)	CBI	98.406(a)(2) Annual quantity of ethane product received from other NGL fractionators
MM - Suppliers of Petroleum Products	98.396(a)(23)	Special provisions for 2010. For reporting year 2010 only, a refiner that knows the information under a specific tier of the batch definition in §98.398, but does not have the necessary data collection and management in place to readily report this information, can use the next most appropriate tier of the batch definition for reporting batch information under paragraph 98.396(a)(20) of this section.	Materials Received (Amount and Composition)	CBI	98.396(a)(20)(iv) Country of origin of the batch, if known, and if the data in paragraphs (v) and (vi) are unknown.
MM - Suppliers of Petroleum Products	98.396(d)(1)(iii)	Whether it is a blended non-crude feedstock or a blended product.	Materials Received (Amount and Composition)	CBI	98.396(d)(2) Each refinery must report requirements of paragraph (a)(1) (i.e., annual quantity in metric tons or barrels by each measurement standard method or other industry standard practice) of this section by reflecting the individual components of the blended non-crude feedstock.
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(i)	If using PP-3b, the total annual CO ₂ mass through main flow meter(s) in metric tons.	GHGs Reported & Production/ Throughput Quantities and Composition	A	98.426(a)(1) If using PP-1, report the annual mass of CO ₂ for each mass flow meter. (Reported by industrial CO ₂ production facilities and importers/exporters) ¹
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(ii)	If using PP-3b, the total annual CO ₂ mass through subsequent flow meter(s) in metric tons.	GHGs Reported & Production/ Throughput Quantities and Composition	A	98.426(a)(1) If using PP-1, report the annual mass of CO ₂ for each mass flow meter. (Reported by industrial CO ₂ production facilities and importers/exporters) ¹
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(iii)	If using PP-3b, the total annual CO ₂ mass supplied in metric tons.	GHGs Reported & Production/ Throughput Quantities and Composition	A	98.426(c)(1) (previously listed as 98.426(c) in proposal) If using PP-3a, Annual mass of CO ₂ from all flow meters (Reported by industrial CO ₂ production facilities and importers/exporters).
PP - Suppliers of Carbon Dioxide	98.426(c)(2)(iv)	If using PP-3b, the location of each flow meter in relation to the point of segregation.	Unit/ Process Operating Characteristics	Not CBI	98.426(b)(7) If using PP-2, report the location of each volumetric flow meter in your process chain in relation to the points of CO ₂ stream capture, dehydration, compression, and other processing or stream that

KEY:

A = These data elements are CBI when reported by industrial CO₂ production facilities and non-CBI when reported by CO₂ production wells.

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Appendix C:
List of Final Category Assignments and
CBI Determinations for Data Elements Moved from
the Inputs to Emission Equations Category

Table C -1: List of Final Category Assignments and CBI Determinations for Data Elements Previously Listed in the Inputs to Emission Equations Data Category.

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Subpart	Reporting Section	Data Element	Category	Determination	Similar to Proposed Data Element . . .	
E - Adipic Acid Production	98.56(e)	Number of abatement technologies	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.226(g)	Number of different N ₂ O abatement technologies per nitric acid train "t"
H - Cement Production	98.86(b)(4)	Number of cement kilns (No CEMS)	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.86(a)(3)	Number of cement kilns (CEMS)
N - Glass Production	98.146(b)(8)	Total number of glass furnaces	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.116(c)	Total number of EAFS used for production of ferroalloy products
					98.86(a)(3)	Number of cement kilns (CEMS)
					98.186(a)(4)	Total number of smelting furnaces at facility used for lead production (CEMS)
					98.296(b)(9)	Number of manufacturing lines located used to produce soda ash
R - Lead Production	98.186(b)(5)	Total number of smelting furnaces at facility used for production of lead products (No CEMS)	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.186(a)(4)	Total number of smelting furnaces at facility used for lead production (CEMS)
V - Nitric Acid Production	98.226(f)	Number of nitric acid trains	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.116(c)	Total number of EAFS used for production of ferroalloy products
					98.86(a)(3)	Number of cement kilns (CEMS)
					98.186(a)(4)	Total number of smelting furnaces at facility used for lead production (CEMS)
					98.296(b)(9)	Number of manufacturing lines located used to produce soda ash
X- Petrochemical Production	98.246(a)(5)	Annual quantity of petrochemicals produced	Production/ Throughput Data That are Not Inputs to Emission Equations	CBI	98.246(b)(8)	Annual quantity of petrochemicals produced (CEMS)
X- Petrochemical Production	98.246(a)(9)	Volume or mass of off-specification product produced	Production/ Throughput Data That are Not Inputs to Emission Equations	CBI	98.246(b)(8)	Annual quantity of petrochemicals produced (CEMS)
Y - Petroleum Refineries	98.256(e)(6)	Annual volume of flare gas combusted	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.256(e)(3)	Description of the flare service
					98.326(q)	Annual operating hours of the gas collection system
Y - Petroleum Refineries	98.256(e)(6)	Annual average molecular weight of the flare gas	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
					98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year.
Y - Petroleum Refineries	98.256(e)(6)	If using Equation Y-1a: Report the annual average Carbon content of the flare gas for each flare.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
					98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year.

Table C -1: List of Final Category Assignments and CBI Determinations for Data Elements Previously Listed in the Inputs to Emission Equations Data Category.

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Subpart	Reporting Section	Data Element	Category	Determination	Similar to Proposed Data Element . . .	
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report annual volume of flare gas combusted for each flare.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.256(e)(3)	Description of the flare service
					98.326(q)	Annual operating hours of the gas collection system
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report annual average CO ₂ concentration for each flare	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
					98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year.
Y - Petroleum Refineries	98.256(e)(7)	If using Equation Y-1b: report the number of carbon containing compounds other than CO ₂ in each flare gas stream	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
					98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year.
Y - Petroleum Refineries	98.256(e)(7)(i)	If using Equation Y-1b: report the annual average concentration of carbon containing compound other than CO ₂ in the flare gas stream for each flare.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
					98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year.
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: Annual volume of flare gas combusted	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.256(e)(3)	Description of the flare service
					98.326(q)	Annual operating hours of the gas collection system
Y - Petroleum Refineries	98.256(e)(8)	If using Equation Y-2: Annual average higher heating value of the flare gas	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
					98.36(d)(2)(ii)(A)	Each type of fuel combusted in the unit during the reporting year.
Y - Petroleum Refineries	98.256(e)(9)	Number of SSM events exceeding 500,000 scf/day	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.226(m)(7)	Number of times in the reporting year that a performance test had to be repeated each train.
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: Annual average exhaust gas flow rate.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	ND		
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: annual average %CO ₂ .	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	ND		
Y - Petroleum Refineries	98.256(f)(7)	If using equation Y-6: Annual average %CO.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	ND		

Table C -1: List of Final Category Assignments and CBI Determinations for Data Elements Previously Listed in the Inputs to Emission Equations Data Category.

KEY:

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(Includes moved and double-listed data elements)

Subpart	Reporting Section	Data Element	Category	Determination	Similar to Proposed Data Element . . .	
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average flow rate of inlet air	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average flow rate of oxygen-enriched air.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %O ₂	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	ND		
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %O _{oxy}	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %CO ₂	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	ND		
Y - Petroleum Refineries	98.256(f)(8)	If you use Equation Y-7a: report the annual average %CO.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	ND		
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average flow rate of inlet air.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average flow rate of oxygen-enriched air.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report annual average %N _{2, oxy} .	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(f)(9)	If Equation Y-7b is used: report the annual average %N ₂ , exhaust.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	ND		
Y - Petroleum Refineries	98.256(f)(13)	If Equation Y-11 is used: report the number of regeneration cycles or measurement periods during the reporting year for each catalytic cracking units, traditional fluid coking units, and catalytic reforming units.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.206(g)	Explanation of any change greater than 30% in the facility's cover gas usage rate
Y - Petroleum Refineries	98.256(f)(13)	If Equation Y-11 is used: report the average coke burn-off quantity per cycle or measurement period for each catalytic cracking units, traditional fluid coking units, and catalytic reforming units.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(h)(5)	Annual volume of recycled tail gas (if not used to calculate recycling correction factor). ^d	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.206(g)	Explanation of any change greater than 30% in the facility's cover gas usage rate
Y - Petroleum Refineries	98.256(h)(5)	Annual average mole fraction of carbon in the tail gas (if not used to calculate recycling correction factor).	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	CBI	98.316(b)(13)	Sampling analysis results of carbon content of petroleum coke as determined for QA/QC of supplier data (No CEMS)
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Total number of delayed coking units.	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.116(c)	Total number of EAFS used for production of ferroalloy products

Table C -1: List of Final Category Assignments and CBI Determinations for Data Elements Previously Listed in the Inputs to Emission Equations Data Category.

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Subpart	Reporting Section	Data Element	Category	Determination	Similar to Proposed Data Element . . .	
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Total number of delayed coking drums or vessels.	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	CBI		
Y - Petroleum Refineries	98.256(k)(3)	For delayed coking units: Typical drum outage of coke drum or vessel	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	CBI		
Y - Petroleum Refineries	98.256(k)(4)	For delayed coking units: Number of coking drums in the set.	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	CBI		
Y - Petroleum Refineries	98.256(l)(5)	For each process vents: Annual volumetric flow discharged to the atmosphere.	Emissions	Emission data (not eligible for CBI treatment)	98.316(b)(2)	Annual CO ₂ emissions for each process line (No CEMS)
					98.256(f)(4)	Calculated CO ₂ annual emissions.
Y - Petroleum Refineries	98.256(l)(5)	For each process vents: Annual average mole fraction of each GHG above the concentration threshold or otherwise required to be reported.	Emissions	Emission data (not eligible for CBI treatment)	98.316(b)(2)	Annual CO ₂ emissions for each process line (No CEMS)
					98.256(f)(4)	Calculated CO ₂ annual emissions.
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Number of venting events.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.236(c)(5)(i) (previously listed as 98.236(c)(6))	Count of wells vented to the atmosphere for liquids unloading for each field in the basin
Y - Petroleum Refineries	98.256(l)(5)	For intermittent vents: Cumulative venting time.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.236(c)(6)(ii)(C)	For gas well completions and workovers without hydraulic fracturing: total number of days of gas venting to the atmosphere during backflow for completion.
Y - Petroleum Refineries	98.256(n)(3)	For equipment leaks: Number of each type of emission source listed in Equation Y-21 (if not using Eq. Y-21). ^d	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.116(c)	Total number of EAFS used for production of ferroalloy products
Z - Phosphoric Acid Production	98.266(f)(2)	Annual CO ₂ emissions from each wet-process phosphoric acid process line (metric tons) as calculated by Equation Z-1a or Equation Z-1b (No CEMS).	Emissions	Emission data (not eligible for CBI treatment)	98.316(b)(2)	Annual CO ₂ emissions for each process line (No CEMS)
Z - Phosphoric Acid Production	98.266(f)(7)	Number of wet-process phosphoric acid process lines.	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.116(c)	Total number of EAFS used for production of ferroalloy products
					98.86(a)(3)	Number of cement kilns (CEMS)
					98.186(a)(4)	Total number of smelting furnaces at facility used for lead production (CEMS)
					98.296(b)(9)	Number of manufacturing lines located used to produce soda ash
EE - Titanium Dioxide Production	98.316(b)(8)	Monthly production of titanium dioxide for each production process (No CEMS).	Production/ Throughput Data That are Not Inputs to Emission Equations	CBI	98.316(a)(2)	Annual production of titanium dioxide (CEMS)

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Subpart	Reporting Section	Data Element	Category	Determination	Similar to Proposed Data Element . . .	
EE - Titanium Dioxide Production	98.316(b)(14)	Number of separate chloride process lines located at the facility (No CEMS).	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.116(c)	Total number of EAFS used for production of ferroalloy products
					98.86(a)(3)	Number of cement kilns (CEMS)
					98.186(a)(4)	Total number of smelting furnaces at facility used for lead production (CEMS)
					98.296(b)(9)	Number of manufacturing lines located used to produce soda ash
FF- Underground Coal Mines	98.326(f)	Dates of each quarterly flow measurement	Test & Calibration Methods	Not CBI	98.66(c)(3)	Last date when the smelter-specific-slope coefficients were measured
FF- Underground Coal Mines	98.326(g)	Dates CH ₄ concentration was measured	Test & Calibration Methods	Not CBI	98.66(c)(3)	Last date when the smelter-specific-slope coefficients were measured
FF- Underground Coal Mines	98.326(i)	Quarterly CEMS CH ₄ concentration data used to calculate CH ₄ liberated from degasification systems (average from daily data)(C)	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
FF- Underground Coal Mines	98.326(i)	Quarterly CH ₄ concentration data based on weekly sampling data (C)	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c)	Concentration (mass fraction) of HFC-23
FF- Underground Coal Mines	98.326(l)	Dates in quarterly reporting period where active ventilation of mining operations is taking place	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.326(p)	Annual operating hours of the primary destruction device
FF- Underground Coal Mines	98.326(m)	Dates in quarterly reporting period where degasification of mining operations is taking place	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.326(p)	Annual operating hours of the primary destruction device
GG - Zinc Production	98.336(b)(4)	Number of Waelz kilns at each facility used for zinc production (No CEMS)	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.336(a)(4)	Number of Waelz kilns at facilities used for zinc production (CEMS)
GG - Zinc Production	98.336(b)(5)	Number of electrothermic furnaces at each facility used for zinc production (No CEMS)	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.336(a)(5)	Number of electrothermic furnaces at facilities used for zinc production (CEMS)
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). ^d	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.466(a)(3)	Last year the landfill accepted waste (for open landfills, enter the estimated year of landfill closure)
HH - Municipal Solid Waste Landfills	98.346(a)	Capacity of the landfill (for all open landfills and for closed landfills not using Equation HH-3). ^d	Unit/Process Static Characteristics That are Not Inputs to Emission Equations	Not CBI	98.466(a)(4)	Capacity of the landfill in metric tons
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.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.326(p)	Annual operating hours of the primary destruction device

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Subpart	Reporting Section	Data Element	Category	Determination	Similar to Proposed Data Element . . .
HH - Municipal Solid Waste Landfills	98.346(i)(2)	Annual average CH ₄ concentration of landfill gas collected for destruction	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.156(c) Concentration (mass fraction) of HFC-23
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Monthly average temperature at which flow is measured for landfill gas collected for destruction	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.126(e) Monitoring results (i.e., continuous monitoring that demonstrates continuous achievement of the destruction efficiency of the device) for the destruction device that are deviations from the monitoring limit set (e.g., parametric monitoring of incinerator temperature, outlet concentration checks, etc.) during the emissions test.
HH - Municipal Solid Waste Landfills	98.346(i)(3)	Monthly average pressure at which flow is measured for landfill gas collected for destruction	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.126(e) Monitoring results (i.e., continuous monitoring that demonstrates continuous achievement of the destruction efficiency of the device) for the destruction device that are deviations from the monitoring limit set (e.g., parametric monitoring of incinerator temperature, outlet concentration checks, etc.) during the emissions test.
HH - Municipal Solid Waste Landfills	98.346(i)(7)	Estimate waste depth as specified in Table HH-3	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.346(f) Surface area of the landfill containing waste
II - Wastewater Treatment	98.356(d)(2)	Cumulative volumetric biogas flow for each week that biogas is collected for destruction. (if using daily sampling) ^d	Production/ Throughput Data That are Not Inputs to Emission Equations	CBI	98.316(a)(5) Annual production of carbon-containing waste (CEMS)
II - Wastewater Treatment	98.356(d)(3)	Weekly average CH ₄ concentration for each week that biogas is collected for destruction. (if using daily sampling) ^d	Production/ Throughput Data That are Not Inputs to Emission Equations	CBI	98.316(b)(11) Carbon content for carbon-containing waste for each process line (percent by weight expressed as a decimal fraction) (No CEMS).
II - Wastewater Treatment	98.356(d)(4)	Weekly average temperature at which flow is measured for biogas collected for destruction (if using daily sampling) ^d	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.126(e) Monitoring results (i.e., continuous monitoring that demonstrates continuous achievement of the destruction efficiency of the device) for the destruction device that are deviations from the monitoring limit set (e.g., parametric monitoring of incinerator temperature, outlet concentration checks, etc.) during the emissions test.
II - Wastewater Treatment	98.356(d)(5)	Weekly average moisture content for each week at which flow is measured for biogas collected for destruction (if using daily sampling). ^d	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.126(e) Monitoring results (i.e., continuous monitoring that demonstrates continuous achievement of the destruction efficiency of the device) for the destruction device that are deviations from the monitoring limit set (e.g., parametric monitoring of incinerator temperature, outlet concentration checks, etc.) during the emissions test.
II - Wastewater Treatment	98.356(d)(6)	Weekly average pressure for each week at which flow is measured for biogas collected for destruction (if using daily sampling). ^d	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.126(e) Monitoring results (i.e., continuous monitoring that demonstrates continuous achievement of the destruction efficiency of the device) for the destruction device that are deviations from the monitoring limit set (e.g., parametric monitoring of incinerator temperature, outlet concentration checks, etc.) during the emissions test.
TT- Industrial Landfills	98.466(b)(1)	Number of waste streams (including "other industrial solid waste (not otherwise listed)") for which Equation TT-1 is used to calculate modeled CH ₄ generation.	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.346(f) Surface area of the landfill containing waste
TT- Industrial Landfills	98.466(e)(2)	Surface area (in square meters) at the start of the reporting year for the landfill sections that contain waste and that are associated with the selected cover type for facilities who do not use a landfill collection system. ^d	Unit/process Operating Characteristics That are Not Inputs to Emission Equations	Not CBI	98.346(f) Surface area of the landfill containing waste