

MEMORANDUM A

To: Docket EPA-HQ-OAR-2011-0028

From: Barbora Master and Lisa Bacanskas, EPA/Climate Change Division and Charles Goodhue, Amanda Baynham, and Ruth Mead, ERG

Date: December 20, 2011

Subject: Proposed data category assignments and CBI determinations for data elements in 40 CFR part 98, subparts L, DD, II, QQ, RR, SS, TT, and UU that are not inputs to emission equations.

In this memorandum, we show the proposed data category assignments and confidentiality determinations for all data elements that are not inputs to emission equations in 40 CFR part 98 in subparts L, DD, QQ, RR, SS, and UU. Also included in this memorandum are proposed data category assignments and confidentiality determinations for several new data elements that were added to subparts II and TT by the Technical Corrections final rule (76 FR 73886, November 29, 2011). The rationale for the proposed category assignments and confidentiality determinations shown in this memorandum are discussed in detail in the *Proposed Confidentiality Determinations for 8 Subparts and Proposed Amendments to Table A-6 in Subpart A under the Mandatory Reporting of Greenhouse Gases Rule*.

Background

EPA published the Mandatory Greenhouse Gas Reporting Rule on October 30, 2009 (74 FR 56260). This rule was designed to collect information necessary to characterize and quantify greenhouse gas (GHG) emissions from a broad range of industry sectors, including direct emitters of GHGs (e.g., glass manufacturing facilities) and suppliers of certain products that would result in GHG emissions if released, combusted, or oxidized by the downstream user of these products (e.g., fossil fuels and industrial GHGs). The requirements for the Mandatory GHG Reporting Rule are codified at 40 CFR Part 98. 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 required to be reported consisted of trade secrets and other confidential business information (CBI) that, if released to the public, would likely harm their competitive position. To address these 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 (75 FR 39094) to establish which Part 98 data elements are entitled to confidential treatment (referenced hereinafter as the July 7, 2010 CBI proposal).

The July 7, 2010 CBI proposal included proposed confidentiality determinations for data elements in seven Part 98 subparts that had been proposed but not yet finalized at the time of publication of the July 7, 2010 CBI proposal. EPA subsequently finalized these subparts plus an eighth subpart in three separate amendments to the Mandatory Greenhouse Gas Reporting Rule

(see 75 FR 74458, November 30, 75 FR 74774, December 1, 2010, and 75 FR 75060, December 1, 2010). Although EPA had already proposed confidentiality determinations for the data elements in the proposed subparts, many data elements were added or significantly changed and portions of proposed subpart RR were split off to create a new subpart UU after publication of the July 7, 2010 CBI proposal. Additionally, on November 29, 2011, EPA finalized amendments to subpart RR. See *2011 Technical Corrections, Clarifying and Other Amendments to Certain Provisions of the Mandatory Reporting of Greenhouse Gases Rule*, 76 FR 73886; hereinafter referred to as the Technical Corrections final rule. In light of these changes, EPA decided not to finalize category assignments and CBI determinations for these subparts in the May 26, 2011 *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* (76 FR 30782; hereinafter referred to as the Final CBI rule). As we noted in the preamble to the Final CBI rule, we are re-proposing for public comment the confidentiality determinations for the data elements in six of these eight subparts (namely subparts L, DD, QQ, RR, SS, and UU). The data elements listed in this memorandum reflect the list of required data elements finalized in the amendments listed above.

Also included in the Final CBI Rule were confidentiality determinations for data elements in subparts FF, II, OO, and TT (other than inputs to emission equations data elements). The Technical Corrections final rule included minor wording clarifications and editorial corrections to 17 non-input data elements in subparts FF, II, OO, and TT, as well as added 7 new non-input data elements to subparts II and TT. The revisions to the 17 non-input data elements do not change the information to be collected and therefore do not affect the final category assignments and confidentiality determinations for these data elements published in the Final CBI rule; however, EPA is proposing confidentiality determinations for the seven new, non-input, data elements in subparts II and TT in the *Proposed Confidentiality Determinations for 8 Subparts and Proposed Amendments to Table A-6 in Subpart A under the Mandatory Reporting of Greenhouse Gases Rule*. The proposed category assignments and confidentiality determinations for these seven new data elements are shown in Table A-1 of Appendix A in this memorandum.

For additional information regarding the approach and rationale behind the proposed category assignments and confidentiality determinations for these data elements, please see the action titled *Proposed Confidentiality Determinations for 8 Subparts and Proposed Amendments to Table A-6 in Subpart A under the Mandatory Reporting of Greenhouse Gases Rule*. Copies of the original July 7, 2010 CBI proposal, the Final CBI rule, and the new proposal for the eight subparts are available on EPA's website: <http://www.epa.gov/climatechange/emissions/CBI.html>.

Data Elements Covered in this Memorandum

In this memorandum, we show the data category assignments and proposed confidentiality determinations for all data elements that are not "Inputs to Emission Equations" that must be reported under the following six final subparts:

- Subpart L, Fluorinated Gas Production (75 FR 74774, December 1, 2010);

- Subpart DD, Electrical Transmission and Distribution Equipment Use (75 FR 74774, December 1, 2010);
- Subpart QQ, Importers and Exporters of Fluorinated Greenhouse Gases Contained in Pre-charged Equipment or Closed-cell Foams (75 FR 74774, December 1, 2010);
- Subpart RR, Geologic Sequestration of Carbon Dioxide (75 FR 75060, December 1, 2010);
- Subpart SS, Electrical Equipment Manufacture or Refurbishment (75 FR 74774, December 1, 2010); and
- Subpart UU, Injection of Carbon Dioxide (75 FR 75060, December 1, 2010).¹

Additionally, we show the data category assignments and proposed confidentiality determinations for data elements that are not inputs to emission equations that were added in the Technical Corrections final rule (76 FR 73886, November 29, 2011) for the following two final subparts:

- Subpart II, Industrial Wastewater Treatment (75 FR 39736, July 12, 2010) and
- Subpart TT, Industrial Waste Landfills (75 FR 39736, July 12, 2010).

Consistent with the CBI Proposal, each data element was assigned to one of 22 distinct data categories (11 data categories for the direct emitter source categories and 11 for the supplier source categories). For the list of category assignments and proposed confidentiality determinations for the data elements in these eight subparts, see Tables A-1 and A-2 in Appendix A at the end of this memorandum. Table A-1 shows the data elements assigned to 10 of the 11 direct emitter data categories (excludes data elements assigned to the Inputs to Equations category) and Table A-2 shows the data elements assigned to the 11 supplier data categories. Note that some data elements for subpart RR are included in the direct emitter data categories listed in Table A-1 (i.e., data elements that are related to GHG emissions to the atmosphere including emissions from surface equipment and from the leakage of CO₂ from geologic sequestration²), while the remaining subpart RR data elements (i.e., those related to CO₂ sequestration) are categorized under the supplier data categories listed in Table A-2. For additional information on the data categories and the general approach to making confidentiality determinations for these data elements, see the preamble to the Final CBI rule (76 FR 30782). A copy of this final rule is available on EPA's website:

<http://www.epa.gov/climatechange/emissions/CBI.html>. For the discussion of the rationale for the proposed category assignments and CBI determinations for the data elements included in this memorandum, please see the action titled *Proposed Confidentiality Determinations for 8 Subparts and Proposed Amendments to Table A-6 in Subpart A under the Mandatory Reporting of Greenhouse Gases Rule*.

¹ EPA initially proposed subparts RR and UU as a single subpart (subpart RR); however, as a result of public comments on subpart RR, EPA moved all definitions, requirements, and procedures for facilities only conducting CO₂ injection (without geologic sequestration) into a new subpart (subpart UU). Subpart RR retained all definitions, requirements, and procedures related to facilities conducting geologic sequestration.

² Leakage is defined in subpart RR as the movement of CO₂ from the injection zone to the surface (for example to the atmosphere, indoor air, oceans or surface water) (see 75 FR 75060, December 1, 2010).

This memorandum does not include confidentiality determinations for data elements assigned to the inputs to emission equations data category. Please see EPA-HQ-OAR-2011-0028 Memo B for background and a table of data elements assigned to the inputs to emission equations data category.

Appendix A

Data Category Assignments and Proposed Confidentiality Determinations for Subparts L, DD, II, QQ, RR, SS, TT, and UU.

Table A-1: List of Proposed Data Category Assignments and CBI Determinations for Direct Emitters

Table A-2: List of Proposed Data Category Assignments and CBI Determinations for Suppliers

Table A-1: List of Proposed Data Category Assignments and CBI Determinations for Direct Emitter Subparts L, DD, II, RR, SS, and TT.

Key:

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.

Footnotes:

¹ This data element is not assigned to a category because the data element refers to a reporting requirement specified in the same subpart or another subpart that has already been assigned to a category under that subpart.

Subpart	Data Element	Reporting Section	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			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
							Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission			
Proposed Confidentiality Determinations												
			Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI
L - Fluorinated Gas Production	For requests to use a GWP other than 2,000 for fluorinated GHGs whose GWPs are not listed in Table A-1: Identity of the F-GHG, including its chemical formula and, if available, CAS number.	98.123c1vIA1		E								
L - Fluorinated Gas Production	For requests to use a GWP other than 2,000 for fluorinated GHGs whose GWPs are not listed in Table A-1: Data and analysis that supports your estimate of the GWP of the F-GHG.	98.123c1vIA3					E					
L - Fluorinated Gas Production	For requests to use a GWP other than 2,000 for fluorinated GHGs whose GWPs are not listed in Table A-1: Engineering calculations or assessments and underlying data that demonstrate that the process vent is calculated to emit less than 10,000 metric tons CO ₂ e of this and other F-GHGs only when the proposed provisional GWPs, not the default GWP of 2,000, are used for F-GHGs whose GWPs are not listed in Table A-1 to subpart A of this part.	98.123c1vIA4					E					
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: List of specific items of monitoring equipment and measurement services for which the request is being made.	98.124o2iA	E									
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Locations (e.g., process and vents) where each piece of monitoring equipment will be installed and where each measurement service will be provided.	98.124o2iA										C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Specific rule requirements for which the monitoring equipment or measurement service is needed.	98.124o2iB					E					
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before July 1, 2011.	98.124o2iC				C						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	98.124o2iD										C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	98.124o2iD				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before July 1, 2011, provide the current expected date of delivery or installation.	98.124o2iD					C					
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the service providers were unable to provide the necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before July 1, 2011. This must include written correspondence to and from at least two service providers stating they will not be able to provide the necessary services before July 1, 2011.	98.124o2iE				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping speciations, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before July 1, 2011 to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit.	98.124o2iF										C

Table A-1: List of Proposed Data Category Assignments and CBI Determinations for Direct Emitter Subparts L, DD, II, RR, SS, and TT.

Key:

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Footnotes:

¹ This data element is not assigned to a category because the data element refers to a reporting requirement specified in the same subpart or another subpart that has already been assigned to a category under that subpart.

Subpart	Data Element	Reporting Section	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	Raw Materials Consumed That are Not Inputs to Emission Equations			
	Proposed Confidentiality Determinations		Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI	
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before July 1, 2011 to install the device. Include the frequency of shutdowns for each relevant process equipment or unit.	98.124o2iF											C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before July 1, 2011 to install the device. Include the date of the date of the next planned process equipment or unit shutdown.	98.124o2iF											C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that access to process streams, emissions streams, or destroyed streams, as applicable, could not be gained before July 1, 2011 for reasons other than the continuous operation of the process without shutdown, include illustrative documentation such as photographs and engineering diagrams demonstrating that access could not be gained.	98.124o2iG				X							
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping specifications, emission factors, and emission characterizations: Best available monitoring methods that will be used and how their results will be applied (i.e., which calculation method will be used) to develop the emission estimate.	98.124o2iH					E						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping specifications, emission factors, and emission characterizations: Where the proposed best available monitoring method is the use of current monitoring data in the mass-balance approach, include the estimated relative and absolute errors of the mass-balance approach using the current monitoring data.	98.124o2iH						X					
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions for parameters other than scoping specifications, emission factors, and emission characterizations: Description of specific actions the owner or operator will take to comply with monitoring requirements by January 1, 2012.	98.124o2iI				X							
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: List of specific items of monitoring equipment and measurement services for which the request is being made.	98.124o3iI	E										
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: Locations (e.g., process and vents) where each piece of monitoring equipment will be installed and where each measurement service will be provided.	98.124o3iI											C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: Specific rule requirements for which the monitoring equipment or measurement service is needed.	98.124o3iI					E						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before March 1, 2012	98.124o3iI				C							
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2012, include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	98.124o3iI											C

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							Calculation Methodology & Method. Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission	Raw Materials Consumed That are Not Inputs to Emission Equations		
	Proposed Confidentiality Determinations		Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2012, include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	98.12463ii				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2012, provide the current expected date of delivery or installation.	98.12463ii				C						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the service providers were unable to provide the necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before March 1, 2012. This must include written correspondence to and from at least two service providers stating they will not be able to provide the necessary services before March 1, 2012.	98.12463ii				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2012 to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit.	98.12463ii										C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2012 to install the device. Include the frequency of shutdowns for each relevant process equipment or unit.	98.12463ii										C
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L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: Best available monitoring methods that will be used and how their results will be applied (i.e., which calculation method will be used) to develop the emission estimate.	98.12463ii					E					
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: Where the proposed best available monitoring method is the use of current monitoring data in the mass-balance approach, include the estimated relative and absolute errors of the mass-balance approach using the current monitoring data.	98.12463ii						X				
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate 2011 emissions using scoping specifications, emission factors, and emission characterizations: Description of specific actions the owner or operator will take to comply with monitoring requirements by March 1, 2013.	98.12463ii				X						

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							Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission	Raw Materials Consumed That are Not Inputs to Emission Equations		
Proposed Confidentiality Determinations			Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: List of specific items of monitoring equipment and measurement services for which the request is being made.	98.124o4iA	E									
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Locations (e.g., process and vents) where each piece of monitoring equipment will be installed and where each measurement service will be provided.	98.124o4iA										C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Specific rule requirements for which the monitoring equipment or measurement service is needed.	98.124o4iA					E					
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Reasons why the needed equipment could not be obtained, installed, or operated or why the needed measurement service could not be provided before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters).	98.124o4iA				C						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters), include supporting documentation (e.g., date the monitoring equipment was ordered, investigation of alternative suppliers, or the dates by which alternative vendors promised delivery or installation).	98.124o4iA										C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters), include supporting documentation (e.g., backorder notices or unexpected delays or descriptions of actions taken to expedite delivery or installation).	98.124o4iA				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the equipment cannot be purchased, delivered, or installed before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters), provide the current expected date of delivery or installation.	98.124o4iA				C						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the service providers were unable to provide the necessary measurement services, include supporting documentation demonstrating that these services could not be acquired before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters). This must include written correspondence to and from at least two service providers stating they will not be able to provide the necessary services before the above stated deadline.	98.124o4iA				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) to install the device. Include the date of the three most recent shutdowns for each relevant process equipment or unit.	98.124o4iA										C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) to install the device. Include the frequency of shutdowns for each relevant process equipment or unit.	98.124o4iA										C

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							Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission	Raw Materials Consumed That are Not Inputs to Emission Equations		
	Proposed Confidentiality Determinations		Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that the process is operating continuously without process shutdown, include supporting documentation showing that it is not practicable to isolate the process equipment or unit and install the measurement device without a full shutdown or a hot tap, and that there is no opportunity before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) to install the device. Include the date of the date of the next planned process equipment or unit shutdown.	98.124o4iA										C
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: If the reason for the extension is that access to process streams, emissions streams, or destroyed streams, as applicable, could not be gained before March 1, 2013 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2012 (for other parameters) for reasons other than the continuous operation of the process without shutdown, include illustrative documentation such as photographs and engineering diagrams demonstrating that access could not be gained.	98.124o4iA				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Best available monitoring methods that will be used and how their results will be applied (i.e., which calculation method will be used) to develop the emission estimate.	98.124o4iA					E					
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Where the proposed best available monitoring method is the use of current monitoring data in the mass-balance approach, include the estimated relative and absolute errors of the mass-balance approach using the current monitoring data.	98.124o4iA						X				
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Description of specific actions the owner or operator will take to comply with monitoring requirements by March 1, 2014 (for scoping specifications, emission factors, and emission characterizations) or January 1, 2013 (for other parameters).	98.124o4iA				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed outline of the unique circumstances necessitating an extension, including specific technical infeasibilities that conflict with data collection. The owner or operator must consider all the data collection and emission calculation options outlined in the rule for a specific emissions source before claiming that a specific technical barrier exists.	98.124o4iB				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed outline of the unique circumstances necessitating an extension, including specific data collection issues that do not meet safety regulations or specific laws or regulations that conflict with data collection. The owner or operator must consider all the data collection and emission calculation options outlined in the rule for a specific emissions source before claiming that a specific safety or legal barrier exists.	98.124o4iB				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed explanation and supporting documentation of how the owner or operator will receive the required data and/or services to comply with the reporting requirements of this subpart in the future.	98.124o4iC				X						
L - Fluorinated Gas Production	For extension requests for the use of BAMM to estimate emissions that occur after 2011: Detailed explanation and supporting documentation of when the owner or operator will receive the required data and/or services to comply with the reporting requirements of this subpart in the future.	98.124o4iC				C						
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from each fluorinated gas production process (metric tons).	98.126a2i		E								
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from all fluorinated gas production processes combined (metric tons).	98.126a2i		E								
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from each fluorinated gas transformation process that is not part of a fluorinated gas production process and whose F-GHG reactants are produced on site (metric tons).	98.126a2ii		E								
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from all fluorinated gas transformation processes that are not part of a fluorinated gas production process and whose F-GHG reactants are produced on site (metric tons).	98.126a2ii		E								

Table A-1: List of Proposed Data Category Assignments and CBI Determinations for Direct Emitter Subparts L, DD, II, RR, SS, and TT.

Key:

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.

Footnotes:

¹ This data element is not assigned to a category because the data element refers to a reporting requirement specified in the same subpart or another subpart that has already been assigned to a category under that subpart.

Subpart	Data Element	Reporting Section	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	Raw Materials Consumed That are Not Inputs to Emission Equations		
Proposed Confidentiality Determinations												
			Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from each fluorinated gas transformation process that is not part of a fluorinated gas production process and where an F-GHG reactant is produced at another facility (metric tons).	98.126a2ii		E								
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from all fluorinated gas transformation processes that are not part of a fluorinated gas production process and where an F-GHG reactant is produced at another facility (metric tons).	98.126a2ii		E								
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from each fluorinated gas destruction process that is not part of a fluorinated gas production process or a fluorinated gas transformation process (metric tons).	98.126a2iii		E								
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from all fluorinated gas destruction processes that are not part of a fluorinated gas production process or a fluorinated gas transformation process combined (metric tons).	98.126a2iii		E								
L - Fluorinated Gas Production	Total mass of each F-GHG emitted from venting of residual F-GHGs from containers returned from the field (metric tons).	98.126a2iv		E								
L - Fluorinated Gas Production	Chemical identities of the contents of the stream(s) (including process, and destroyed streams) analyzed under the initial scoping specification of fluorinated GHG at 40 CFR 98.124(a), by process.	98.126a3							C			
L - Fluorinated Gas Production	Chemical identities of the contents of the stream(s) (including emissions) analyzed under the initial scoping specification of fluorinated GHG at 40 CFR 98.124(a), by process.	98.126a3		E								
L - Fluorinated Gas Production	Location and function of the stream(s) (including process streams, emissions streams, and destroyed streams) that were analyzed under the initial scoping specification of fluorinated GHG at 40 CFR 98.124(a), by process.	98.126a4			C							
L - Fluorinated Gas Production	Method used to determine the emissions of each F-GHG (i.e., mass balance, process-vent specific emission factor, or process vent-specific emission factor) for each process and process vent at the facility.	98.126a5					E					
L - Fluorinated Gas Production	For processes for which the process-vent specific emission factor or process-vent-specific emission calculation factor are used, report the method used to estimate emissions from equipment leaks.	98.126a5					E					
L - Fluorinated Gas Production	Total production mass of each fluorinated gas product, by chemical and process (metric tons).	98.126a6							C			
L - Fluorinated Gas Production	Chemical formula of each fluorinated gas product, by chemical and process.	98.126a6							C			
L - Fluorinated Gas Production	Absolute errors calculated under 40 CFR 98.123(b)(1).	98.126b1						X				
L - Fluorinated Gas Production	Relative errors calculated under 40 CFR 98.123(b)(1).	98.126b1						X				
L - Fluorinated Gas Production	Mass of each F-GHG reactant emitted from the process (metric tons).	98.126b3		E								
L - Fluorinated Gas Production	Chemical formula of each F-GHG reactant emitted from the process.	98.126b3		E								
L - Fluorinated Gas Production	Mass of the F-GHG product emitted from the process (metric tons).	98.126b4		E								
L - Fluorinated Gas Production	Chemical formula of the F-GHG product emitted from the process.	98.126b4		E								
L - Fluorinated Gas Production	Mass of the F-GHG by-product emitted from the process (metric tons).	98.126b5		E								
L - Fluorinated Gas Production	Chemical formula of the F-GHG by-product emitted from the process.	98.126b5		E								
L - Fluorinated Gas Production	Chemical formula of each fluorine-containing reactant that is fed into the process.	98.126b6								C		
L - Fluorinated Gas Production	Chemical formula of each fluorine-containing product produced by the process.	98.126b7							C			
L - Fluorinated Gas Production	Chemical formula of each fluorine-containing product that is removed from the process and fed into the destruction device.	98.126b8i							C			
L - Fluorinated Gas Production	Chemical formula of each fluorine-containing by-product that is removed from the process and fed into the destruction device.	98.126b8ii							C			
L - Fluorinated Gas Production	Chemical formula of each fluorine-containing reactant that is removed from the process and fed into the destruction device.	98.126b8iii							C			
L - Fluorinated Gas Production	Chemical formula of each fluorine-containing by-product that is removed from the process and recaptured.	98.126b8iv							C			
L - Fluorinated Gas Production	The method used to estimate the total mass of fluorine in destroyed or recaptured streams.	98.126b13					E					
L - Fluorinated Gas Production	The identity of the process activity used to estimate emissions (e.g., tons of product or tons of reactant consumed).	98.126c1					E					

Table A-1: List of Proposed Data Category Assignments and CBI Determinations for Direct Emitter Subparts L, DD, II, RR, SS, and TT.

Key:

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.

Footnotes:

¹ This data element is not assigned to a category because the data element refers to a reporting requirement specified in the same subpart or another subpart that has already been assigned to a category under that subpart.

Subpart	Data Element	Reporting Section	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 BAMB Extension Requests
							Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/ Throughput Data That are Not Inputs to Emission	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	
Proposed Confidentiality Determinations												
L - Fluorinated Gas Production	Mass of each F-GHG emitted for each process vent (metric tons).	98.126c3	Emission Data (made available to the public)	E	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI
L - Fluorinated Gas Production	Mass of each fluorinated GHG emitted from equipment leaks (metric tons).	98.126c4		E								
L - Fluorinated Gas Production	Where missing data have been estimated pursuant to 40 CFR 98.125: Reason the data were missing.	98.126d										E
L - Fluorinated Gas Production	Where missing data have been estimated pursuant to 40 CFR 98.125: Length of time the data were missing.	98.126d										E
L - Fluorinated Gas Production	Where missing data have been estimated pursuant to 40 CFR 98.125: Method used to estimate the missing data.	98.126d										E
L - Fluorinated Gas Production	Each fluorinated gas production facility that destroys F-GHGs must report the excess emissions that result from malfunctions of the destruction device, and these excess emissions would be reflected in the F-GHG estimates in 40 CFR 98.123(b) and (c).	98.126e		E								
L - Fluorinated Gas Production	Chemical identity of the F-GHG(s) used in the performance test conducted to determine destruction efficiency, including surrogates.	98.126f2						X				
L - Fluorinated Gas Production	Information on why the surrogate is sufficient to demonstrate DE for each F-GHG, consistent with requirements in 40 CFR 98.124(g)(1), vented to the destruction device. (For information on emission stream content)	98.126f2		E								
L - Fluorinated Gas Production	Information on why the surrogate is sufficient to demonstrate DE for each F-GHG, consistent with requirements in 40 CFR 98.124(g)(1), vented to the destruction device. (All other information not related to stream content)	98.126f2						X				
L - Fluorinated Gas Production	Date of the most recent destruction device test.	98.126f3						X				
L - Fluorinated Gas Production	Name of all applicable Federal or State regulations that may apply to the destruction process.	98.126f4				X						
L - Fluorinated Gas Production	If you make a change to the destruction device that would be expected to affect its destruction efficiencies, submit a revised report that reflects the changes, including the revised destruction efficiencies measured for the device under 40 CFR 98.124(g)(2)(ii), by March 31 of the year that immediately follows the change. ¹	98.126f5										
L - Fluorinated Gas Production	Mass of F-GHG emitted from the destruction device.	98.126g2		E								
L - Fluorinated Gas Production	Each fluorinated gas production facility that vents residual fluorinated GHGs from containers, the mass of the residual fluorinated GHG vented from each container size and type.	98.126h1		E								
L - Fluorinated Gas Production	Each fluorinated gas production facility that destroys fluorinated gases must submit a one-time report by June 30, 2011, that describes any measurements, research, or analysis that it has performed or obtained that relate to the formation of products of incomplete combustion that are fluorinated GHGs during the destruction of fluorinated gases.	98.126i		E								
L - Fluorinated Gas Production	The report must include the methods and results of any measurement or modeling studies, including the products of incomplete combustion for which the exhaust stream was analyzed, as well as copies of relevant scientific papers, if available, or citations of the papers, if they are not.	98.126i		E								
DD - Use of Electric Transmission and Distribution Equipment	Nameplate capacity of equipment containing SF6 or PFCs existing as of the beginning of the year (excluding hermetically sealed-pressure switchgear).	98.306a1			X							
DD - Use of Electric Transmission and Distribution Equipment	Transmission miles (length of lines carrying voltage at or above 34.5 kV).	98.306b			X							
DD - Use of Electric Transmission and Distribution Equipment	Distribution miles (length of lines carrying voltages at or below 35 kilovolt).	98.306c			X							
II - Wastewater Treatment	Statement that biogas pressure is incorporated into monitoring equipment internal calculations.	98.356(d)(6)					E					

Table A-1: List of Proposed Data Category Assignments and CBI Determinations for Direct Emitter Subparts L, DD, II, RR, SS, and TT.

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Footnotes:

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Subpart	Data Element	Reporting Section	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				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
							Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission	CBI			
Proposed Confidentiality Determinations													
			Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI	
RR - Geologic Sequestration of Carbon Dioxide	A request for discontinuation of reporting must contain either 40 CFR 98.441(b)(2)(i) or (b)(2)(ii); (i) For wells permitted as Class VI under the Underground Injection Control program, a copy of the applicable Underground Injection Control program Director's authorization of site closure.	98.441b2i						X					
RR - Geologic Sequestration of Carbon Dioxide	A request for discontinuation of reporting must contain either 40 CFR 98.441(b)(2)(i) or (b)(2)(ii); (ii) For all other wells, and as an alternative for wells permitted as Class VI under the Underground Injection Control program, a demonstration that current monitoring and model(s) show that the injected CO2 stream is not expected to migrate in the future in a manner likely to result in surface leakage.	98.441b2ii						X					
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Mass of CO2 emitted (metric tons) annually from equipment leaks and vented emissions of CO2 from equipment located on the surface between the flow meter used to measure injection quantity and the injection wellhead.	98.446f3i		E									
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Mass of CO2 emitted (metric tons) annually from equipment leaks and vented emissions of CO2 from equipment located on the surface between the production wellhead and the flow meter used to measure production quantity.	98.446f3ii		E									
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each leakage pathway through which CO2 emissions occurred, report a numerical identifier for the leakage pathway.	98.446f7i	E										
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each leakage pathway through which CO2 emissions occurred, report CO2 emitted through that leakage pathway in the reporting year.	98.446f7ii		E									
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Annual CO2 mass emitted (metric tons) by surface leakage in the reporting year, as calculated by Equation RR-10.	98.446f8		E									
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Date that most recent MRV plan was approved by EPA.	98.446f11	E										
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): MRV plan approval number that was issued by EPA.	98.446f11	E										
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a narrative history of the monitoring efforts conducted over the previous calendar year, including a listing of all monitoring equipment that was operated, its period of operation, and any relevant tests or surveys that were conducted.	98.446f12i						X					
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a description of any changes to the monitoring program that you concluded were not material changes warranting submission of a revised MRV plan under 40 CFR 98.446(d).	98.446f12ii						X					
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a narrative history of any monitoring anomalies that were detected in the previous calendar year and how they were investigated and resolved.	98.446f12iii						X					
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): An annual monitoring report that contains a description of any surface leakages of CO2, including a discussion of all methodologies and technologies involved in detecting and quantifying the surface leakages and any assumptions and uncertainties involved in calculating the amount of CO2 emitted.	98.446f12iv					E						
RR - Geologic Sequestration of Carbon Dioxide	MRV Plans and revised MRV Plans.	98.448						X					

Table A-1: List of Proposed Data Category Assignments and CBI Determinations for Direct Emitter Subparts L, DD, II, RR, SS, and TT.

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Footnotes:

¹ This data element is not assigned to a category because the data element refers to a reporting requirement specified in the same subpart or another subpart that has already been assigned to a category under that subpart.

Subpart	Data Element	Reporting Section	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 BAMM Extension Requests
							Calculation Methodology & Method, Tier	Test & Calibration Methods	Production/Throughput Data That are Not Inputs to Emission	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	
Proposed Confidentiality Determinations												
			Emission Data (made available to the public)	Emission Data (made available to the public)	Both	Both	Emission Data (made available to the public)	Not CBI	CBI	CBI	Emission Data (made available to the public)	CBI
SS - Manufacture of Electric Transmission and Distribution Equipment	Nameplate capacity of the equipment delivered to customers with SF6 or PFCs inside, if different from the quantity in 40 CFR 98.456(f).	98.456k								C		
SS - Manufacture of Electric Transmission and Distribution Equipment	Description of the engineering methods and calculations used to determine emissions from hoses or other flow lines that connect the container to the equipment that is being filled.	98.456i					E					
SS - Manufacture of Electric Transmission and Distribution Equipment	Number of samples for each make, model, and group of conditions if the mass of SF6 or the PFC disbursed to customers in new equipment over the period p is determined by assuming that it is equal to the equipment's nameplate capacity or, in cases where equipment is shipped with a partial charge, equal to its partial shipping charge.	98.456p					E					
SS - Manufacture of Electric Transmission and Distribution Equipment	Upper and lower bounds on the 95 percent confidence interval for each make, model, and group of conditions if the mass of SF6 or the PFC disbursed to customers in new equipment over the period p is determined by assuming that it is equal to the equipment's nameplate capacity or, in cases where equipment is shipped with a partial charge, equal to its partial shipping charge.	98.456p					E					
SS - Manufacture of Electric Transmission and Distribution Equipment	For any missing data: Reason data were missing.	98.456t									E	
SS - Manufacture of Electric Transmission and Distribution Equipment	For any missing data: Parameters for which the data were missing.	98.456t									E	
SS - Manufacture of Electric Transmission and Distribution Equipment	For any missing data: Quantity of emissions estimated.	98.456t		E								
TT - Industrial Landfills	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including aeration blower capacity.	98.466(b)(4)			X							
TT - Industrial Landfills	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including the fraction of the landfill containing waste affected by the aeration.	98.466(b)(4)				X						
TT - Industrial Landfills	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including the total number of hours during the year the aeration blower was operated.	98.466(b)(4)				X						
TT - Industrial Landfills	If an MCF value other than the default of 1 is used, provide a description of the aeration system, including other factors used as a basis for the selected MCF value.	98.466(b)(4)				X						
TT - Industrial Landfills	The calendar year for which the data elements in 40 CFR 98.466(b) apply.	98.466(d)(1)					E					
TT - Industrial Landfills	If DOC was determined by a 60-day anaerobic biodegradation test, specify the test method used.	98.466(d)(3)						X				

Table A-2: List of Proposed Data Category Assignments and CBI Determinations for Supplier Subparts QQ, RR, and UU.

Key:

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

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Footnotes:

¹ Data element is assigned to both the "Greenhouse Gases Reported" and "Production/Throughput" bins because the product is also the greenhouse gas reported.

Subpart	Proposed Confidentiality Determinations	Reporting Section	Identification Information	Category									
				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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BMM Extension Requests
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Total mass of each F-GHG imported in pre-charged equipment or closed-cell foams. ¹	98.436a1	Not CBI	Both	CBI	Both	Not CBI	Both	CBI		CBI	Not CBI	CBI
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Identity of F-GHG used as a refrigerant or electrical insulator. ¹	98.436a2		C				C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Charge size.	98.436a2						C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Number imported.	98.436a2						C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Identity of the F-GHG contained in the foam in each appliance. ¹	98.436a3		C				C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Mass of the F-GHG contained in the foam in each appliance.	98.436a3						C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Number of appliances imported.	98.436a3						C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Identity of the F-GHG in the foam. ¹	98.436a4		C				C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Density of the F-GHG in the foam.	98.436a4						C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Volume of foam imported.	98.436a4						C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Dates on which pre-charged equipment were imported.	98.436a5											
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Dates on which closed-cell foams were imported.	98.436a5											
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: Total mass of CO ₂ e of the F-GHGs imported in closed-cell foams (metric tons). ¹	98.436a6i		C				C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: For closed-cell foams that are imported inside of appliances, the mass of the F-GHGs in CO ₂ e contained in the foam in each appliance.	98.436a6ii						C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: For closed-cell foams that are imported inside of appliances, the number of appliances imported for each type of appliance.	98.436a6ii						C					

Table A-2: List of Proposed Data Category Assignments and CBI Determinations for Supplier Subparts QQ, RR, and UU.

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Footnotes:

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Subpart	Confidentiality Determinations	Reporting Section	Identification Information	Category									
				GHG 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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests
Proposed Confidentiality Determinations			Not CBI	Both	CBI	Both	Not CBI	Both	CBI	CBI	Not CBI	CBI	CBI
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: For closed-cell foams that are not imported inside of appliances, the mass in CO ₂ e of the F-GHGs in the foam.	98.436a6iii								C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: For closed-cell foams that are not imported inside of appliances, the volume of foam imported for each type of closed-cell foam.	98.436a6iii								C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: Dates on which the closed-cell foams were imported.	98.436a6iv				X							
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: Name of the foam manufacturer for each type of closed-cell foam where the identity and mass of the F-GHGs is unknown.	98.436a6v										C	
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the importer does not know the identity and mass of the F-GHGs within the closed-cell foam: Certification that the importer was unable to obtain information on the identity and mass of the F-GHGs within the closed-cell foam from the closed-cell foam manufacturer or manufacturers.	98.436a6vi				X							
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Total mass of each F-GHG exported in pre-charged equipment or closed-cell foams. ¹	98.436b1		C						C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Identify of the F-GHG used as refrigerant or electrical insulator. ¹	98.436b2		C						C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Charge size (including holding charge, if applicable).	98.436b2								C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Number of each type of pre-charged equipment exported.	98.436b2								C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Identity of F-GHG contained in the closed-cell foam in each appliance exported. ¹	98.436b3		C						C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Mass of F-GHG contained in the foam in each appliance.	98.436b3								C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Number of appliances exported.	98.436b3								C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Identity of each F-GHG contained in the foam. ¹	98.436b4		C						C			
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Density of each F-GHG contained in the foam.	98.436b4								C			

Table A-2: List of Proposed Data Category Assignments and CBI Determinations for Supplier Subparts QQ, RR, and UU.

Key:

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Footnotes:

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Subpart	Confidentiality Determinations	Reporting Section	Identification Information	Category										
				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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BMM Extension Requests	
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Volume of foam exported.	98.436b4	Not CBI	Both	CBI	Both	Not CBI	Both	CBI		CBI	Not CBI	CBI	
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Dates on which the pre-charged equipment were exported.	98.436b5				X								
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Dates on which the closed-cell foams were exported.	98.436b5				X								
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the exporter does not know the identity and mass of the F-GHG within the closed-cell foam: Total mass in metric tons of CO2e of the F-GHGs exported in closed-cell foams. ¹	98.436b6i		C					C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the exporter does not know the identity and mass of the F-GHG within the closed-cell foam: For closed-cell foams that are exported inside of appliances, the mass of the F-GHGs in CO2e contained in the foam in each appliance.	98.436b6ii							C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the exporter does not know the identity and mass of the F-GHG within the closed-cell foam: For closed-cell foams that are exported inside of appliances, the number of appliances imported for each type of appliance.	98.436b6ii							C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the exporter does not know the identity and mass of the F-GHG within the closed-cell foam: For closed-cell foams that are not exported inside of appliances, the mass in CO2e of the F-GHGs in the foam.	98.436b6iii							C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the exporter does not know the identity and mass of the F-GHG within the closed-cell foam: For closed-cell foams that are not exported inside of appliances, the volume of foam imported (cubic feet) for each type of closed-cell foam.	98.436b6iii							C					
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the exporter does not know the identity and mass of the F-GHG within the closed-cell foam: Dates on which the closed-cell foams were exported.	98.436b6iv				X								
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	Name of the foam manufacturer for each type of closed-cell foam where the identity and mass of the F-GHG is unknown.	98.436b6v											C	
QQ - Imports and Exports of Equipment Pre-charged with F-GHGs or Containing F-GHGs in Closed-cell Foams	If the exporter does not know the identity and mass of the F-GHG within the closed-cell foam: Certification that the exporter was unable to obtain information on the identity and mass of the F-GHGs within the closed-cell foam from the closed-cell foam manufacturer or manufacturers.	98.436b6vi				X								
RR - Geologic Sequestration of Carbon Dioxide	For submissions in support of an R&D project exemption from reporting under subpart RR: the planned duration of CO2 injection for the project.	98.440d2i				X								
RR - Geologic Sequestration of Carbon Dioxide	For submissions in support of an R&D project exemption from reporting under subpart RR: planned annual CO2 injection volumes during this time period.	98.440d2ii						X						
RR - Geologic Sequestration of Carbon Dioxide	For submissions in support of an R&D project exemption from reporting under subpart RR: the research purposes of the project.	98.440d2iii				X								
RR - Geologic Sequestration of Carbon Dioxide	For submissions in support of an R&D project exemption from reporting under subpart RR: the source and type of funding for the project.	98.440d2iv				X								

Table A-2: List of Proposed Data Category Assignments and CBI Determinations for Supplier Subparts QQ, RR, and UU.

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Footnotes:

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Subpart	Confidentiality Determinations	Reporting Section	Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Category						
							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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BMM Extension Requests
RR - Geologic Sequestration of Carbon Dioxide	For submissions in support of an R&D project exemption from reporting under subpart RR: the class of the underground injection control permit.	98.440d2v	Not CBI	Both	CBI	Both	Not CBI	Both	CBI	CBI	Not CBI	CBI	CBI
RR - Geologic Sequestration of Carbon Dioxide	For submissions in support of an R&D project exemption from reporting under subpart RR: the duration of the underground injection control permit.	98.440d2v				X							
RR - Geologic Sequestration of Carbon Dioxide	For submissions in support of an R&D project exemption from reporting under subpart RR: for an offshore facility not subject to Safe Drinking Water Act, a description of the legal instrument authorizing geologic sequestration.	98.440d2v				X							
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each receiving flow meter: Total net mass of CO2 received (metric tons) annually. ¹	98.446a1		X				X					
RR - Geologic Sequestration of Carbon Dioxide	If a volumetric flow meter is used to receive CO2 report the following unless you reported yes to 40 CFR 98.446(a)(4): Volumetric flow through a receiving flow meter at standard conditions (in standard cubic meters) in each quarter.	98.446a2i						X					
RR - Geologic Sequestration of Carbon Dioxide	If a volumetric flow meter is used to receive CO2 report the following unless you reported yes to 40 CFR 98.446(a)(4): The volumetric flow through a receiving flow meter that is redelivered to another facility without being injected into your well (in standard cubic meters) in each quarter.	98.446a2ii						X					
RR - Geologic Sequestration of Carbon Dioxide	If a volumetric flow meter is used to receive CO2 report the following unless you reported yes to 40 CFR 98.446(a)(4): CO2 concentration in the flow (volume percent CO2 expressed as a decimal fraction) in each quarter.	98.446a2iii						X					
RR - Geologic Sequestration of Carbon Dioxide	If a mass flow meter is used to receive CO2 report the following unless you reported yes to 40 CFR 98.446(a)(4): The mass flow through a receiving flow meter (in metric tons) in each quarter. ¹	98.446a3i						X					
RR - Geologic Sequestration of Carbon Dioxide	If a mass flow meter is used to receive CO2 report the following unless you reported yes to 40 CFR 98.446(a)(4): The mass flow through a receiving flow meter that is redelivered to another facility without being injected into your well (in metric tons) in each quarter.	98.446a3ii						X					
RR - Geologic Sequestration of Carbon Dioxide	If a mass flow meter is used to receive CO2 report the following unless you reported yes to 40 CFR 98.446(a)(4): The CO2 concentration in the flow (weight percent CO2 expressed as a decimal fraction) in each quarter.	98.446a3iii						X					
RR - Geologic Sequestration of Carbon Dioxide	If the CO2 received is wholly injected and not mixed with any other supply of CO2: Report whether you followed the procedures in 40 CFR 98.444(a)(4).	98.446a4					X						
RR - Geologic Sequestration of Carbon Dioxide	The standard or method used to calculate each value in 40 CFR 98.446(a)(2) through (a)(3).	98.446a5					X						
RR - Geologic Sequestration of Carbon Dioxide	Number of times in the reporting year for which substitute data procedures were used to calculate values reported in 40 CFR 98.446(a)(2) through (a)(3).	98.446a6									X		
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 by pipeline: For each flow meter, report whether the flow meter is mass or volumetric.	98.446a7					X						
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 by pipeline: For each flow meter, a numerical identifier for the flow meter.	98.446a8	X										
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 in containers, report: The mass (in metric tons) or volume at standard conditions (in standard cubic meters) of contents in containers in each quarter.	98.446b1						X					
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 in containers: Concentration of CO2 of contents in containers (volume or wt. % CO2 expressed as a decimal fraction) in each quarter.	98.446b2						X					

Table A-2: List of Proposed Data Category Assignments and CBI Determinations for Supplier Subparts QQ, RR, and UU.

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Subpart	Confidentiality Determinations	Reporting Section	Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Category						
							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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BMM Extension Requests
			Not CBI	Both	CBI	Both	Not CBI	Both	CBI	CBI	Not CBI	CBI	CBI
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 in containers, report: The mass (in metric tons) or volume (in standard cubic meters) of contents in containers that is redelivered to another facility without being injected into your well in each quarter.	98.446b3								X			
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 in containers: Net mass of CO2 received (metric tons) annually. ¹	98.446b4		X						X			
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 in containers: Standard or method used to calculate each value in 40 CFR 98.446(b)(1) and (b)(2).	98.446b5					X						
RR - Geologic Sequestration of Carbon Dioxide	If you receive CO2 in containers: Number of times in the reporting year for which substitute data procedures were used to calculate values reported in paragraphs 40 CFR 98.44(b)(1) and (b)(2).	98.446b6									X		
RR - Geologic Sequestration of Carbon Dioxide	If you use more than one receiving flow meter: Total net mass of CO2 received (metric tons) through all flow meters annually. ¹	98.446c		X						X			
RR - Geologic Sequestration of Carbon Dioxide	Source of the CO2 received according to the following categories: CO2 production wells, electric generating unit, ethanol plant, pulp and paper mill, natural gas processing, gasification operations, other anthropogenic source, discontinued enhanced oil and gas recovery project, unknown.	98.446d(1)-(9)				X							
RR - Geologic Sequestration of Carbon Dioxide	Report the date that you began collecting data for calculating total amount sequestered according to 40 CFR 98.448(a)(7).	98.446e					X						
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter (mass or volumetric), report: the mass of CO2 injected annually. ¹	98.446f(i)		X						X			
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter (mass or volumetric), report CO2 concentration in flow (volume or wt.% CO2 expressed as a decimal fraction) in each quarter.	98.446f(ii)								X			
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter, report: If a volumetric flow meter is used, the volumetric flow rate at standard conditions (in standard cubic meters) in each quarter.	98.446f(iii)								X			
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter, report: If a mass flow meter is used, the mass flow rate (in metric tons) each quarter.	98.446f(iv)								X			
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter, report a numerical identifier.	98.446f(v)		X									
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter, report whether the flow meter is mass or volumetric.	98.446f(vi)					X						
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): The standard used to calculate each value in 40 CFR 98.446(f)(i)(i) through (f)(i)(iv).	98.446f(vii)					X						

Table A-2: List of Proposed Data Category Assignments and CBI Determinations for Supplier Subparts QQ, RR, and UU.

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Subpart	Confidentiality Determinations	Reporting Section	Identification Information	GHGs Reported	Emission Factors	Unit/ Process Operating Characteristics	Category						
							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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter, report the number of times in the reporting year for which substitute data procedures were used to calculate values reported in 40 CFR 98.446(f)(1)(i) through 98.446(f)(1)(iv).	98.446f1viii	Not CBI	Both	CBI	Both	Not CBI	Both	CBI	CBI	Not CBI	CBI	CBI
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each injection flow meter, report the location of the flow meter.	98.446f1ix				X							
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Total CO2 injected during the reporting year as calculated in Equation RR-6. ¹	98.446f2		X					X				
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each separator flow meter (mass or volumetric), report CO2 mass produced (metric tons) annually. ¹	98.446f4i		X					X				
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): For each separator flow meter (mass or volumetric), report CO2 concentration in flow (volume or wt. % CO2 expressed as a decimal fraction) in each quarter.	98.446f4ii							X				
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): If a volumetric flow meter is used, volumetric flow rate at standard conditions (standard cubic meters) in each quarter.	98.446f4iii							X				
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): If a mass flow meter is used, mass flow rate (metric tons) in each quarter.	98.446f4iv							X				
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): A numerical identifier for the flow meter.	98.446f4v	X										
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Whether the flow meter is mass or volumetric	98.446f4vi					X						
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Standard used to calculate each value in 40 CFR 98.446(f)(4)(i) through (f)(4)(iv).	98.446f4vii					X						
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Number of times in the reporting year for which substitute data procedures were used to calculate values reported in 40 CFR 98.446(f)(4)(i) through (f)(4)(iv).	98.446f4viii									X		
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): The entrained CO2 in produced oil or other fluid divided by the CO2 separator through all separators in the reporting year (weight percent CO2 expressed as a decimal fraction) used as the value for X in Equation RR-9 and as determined according to your EPA-approved MRV plan.	98.446f5							X				

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							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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BAMM Extension Requests
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Annual CO2 produced in the reporting year, as calculated in Equation RR-9. ¹	98.446f6	Not CBI	Both	CBI	Both	Not CBI	Both	CBI	CBI	Not CBI	CBI	CBI
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Annual CO2 sequestered in the subsurface geologic formations in the reporting year, as calculated by Equation RR-11 or RR-12. ¹	98.446f9		X				X					
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): Cumulative mass of CO2 reported as sequestered in the subsurface geologic formations in all years since the well or group of wells became subject to reporting requirements under subpart RR. ¹	98.446f10		X				X					
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): If the well is permitted by an Underground Injection Control program, for each injection well, report the well identification number used for the Underground Injection Control Permit.	98.446f13i	X										
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): If the well is permitted by an Underground Injection Control program, for each injection well, report: Underground Injection Control permit class.	98.446f13ii				X							
RR - Geologic Sequestration of Carbon Dioxide	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e): If an offshore well is not subject to the Safe Drinking Water Act, for each injection well, report any well identification number and any identification number used for the legal instrument authorizing geologic sequestration.	98.446f14	X										
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each receiving flow meter: Total net mass of CO2 received (metric tons) annually. ¹	98.476a1		X				X					
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each receiving flow meter: If a volumetric flow meter is used to receive CO2: Volumetric flow through a receiving flow meter at standard conditions (standard cubic meters) in each quarter.	98.476a2i						X					
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each flow meter: If a volumetric flow meter is used to receive CO2: The volumetric flow through a receiving flow meter that is redelivered to another facility without being injected into your well (standard cubic meters) in each quarter.	98.476a2ii						X					
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each receiving flow meter: If a volumetric flow meter is used to receive CO2: CO2 concentration in the flow (volume % CO2 expressed as a decimal fraction) in each quarter.	98.476a2iii						X					
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each flow meter: If a mass flow meter is used to receive CO2, report the mass flow through a receiving flow meter (in metric tons) in each quarter.	98.476a3i						X					

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X = Data Element is not eligible for confidential treatment.

Footnotes:

¹ Data element is assigned to both the "Greenhouse Gases Reported" and "Production/Throughput" bins because the product is also the greenhouse gas reported.

Subpart	Proposed Confidentiality Determinations	Reporting Section	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	Supplier Customer and Vendor Information	Process Specific and Vendor Data Submitted in BMM Extension Requests
			Not CBI	Both	CBI	Both	Not CBI	Both	CBI	CBI	Not CBI	CBI	CBI
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each flow meter: If a mass flow meter is used to receive CO2, report the mass flow through a receiving flow meter that is redelivered to another facility without being injected into your well (in metric tons) in each quarter.	98.476a3ii								X			
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each flow meter: If a mass flow meter is used to receive CO2, report CO2 concentration in the flow (wt. % CO2 expressed as a decimal fraction) in each quarter.	98.476a3iii								X			
UU - Injection of Carbon	The standard or method used to calculate each value in 40 CFR 98.476(a)(2) through (a)(3).	98.476a4					X						
UU - Injection of Carbon	Number of times in the reporting year for which substitute data procedures were used to calculate values reported in 40 CFR 98.476(a)(2) through (a)(3).	98.476a5									X		
UU - Injection of Carbon Dioxide	If you receive CO2 by pipeline, report the following for each flow meter: Whether the flow meter is mass or volumetric.	98.476a6					X						
UU - Injection of Carbon Dioxide	If you receive CO2 in containers, report: The mass (metric tons) or volume at standard conditions (standard cubic meters) of contents in containers in each quarter.	98.476b1								X			
UU - Injection of Carbon Dioxide	If you receive CO2 in containers, report: The concentration of CO2 of contents in containers (volume or wt. % CO2 expressed as a decimal fraction) in each quarter.	98.476b2								X			
UU - Injection of Carbon Dioxide	If you receive CO2 in containers, report: The mass (metric tons) or volume (standard cubic meters) of contents in containers that is redelivered to another facility without being injected into your well in each quarter.	98.476b3								X			
UU - Injection of Carbon Dioxide	If you receive CO2 in containers, report: The net total mass of CO2 received (metric tons) annually. ¹	98.476b4		X						X			
UU - Injection of Carbon Dioxide	If you receive CO2 in containers, report: The standard or method used to calculate each value in paragraphs 40 CFR 98.476(b)(1) and (b)(2).	98.476b5					X						
UU - Injection of Carbon Dioxide	If you receive CO2 in containers, report: The number of times in the reporting year for which substitute data procedures were used to calculate values reported in paragraphs 40 CFR 98.476(b)(1) and (b)(2).	98.476b6									X		
UU - Injection of Carbon Dioxide	If you use more than one receiving flow meter, report the net total mass of CO2 received (metric tons) through all flow meters annually. ¹	98.476c		X						X			
UU - Injection of Carbon Dioxide	Source of the CO2 received according to the following categories: CO2 production wells, electric generating unit, ethanol plant, pulp and paper mill, natural gas processing, gasification operations, other anthropogenic source, discontinued enhanced oil and gas recovery project, unknown.	98.476d(1)-(9)				X							