

MEMORANDUM

DATE: February 2024

TO: Docket EPA-HQ-OAR-2019-0424

FROM: Jennifer Bohman

SUBJECT: Confidentiality Determinations and Emission Data Designations for Data Elements in the 2024 Final Revisions to the Greenhouse Gas Reporting Rule

In the rulemaking titled “*Revisions and Confidentiality Determinations for Data Elements Under the Greenhouse Gas Reporting Rule*,” (hereafter, the “2024 Final Revisions”) the EPA is finalizing certain revisions to the 40 CFR part 98 requirements. These final revisions include changes to improve the quality and consistency of the data collected under the rule and to inform EPA’s carrying out of a variety of Clean Air Act provisions.

In the 2024 Final Revisions, the EPA is finalizing certain confidentiality determinations or “emission data” designations for data elements included in the 2022 Data Quality Improvements Proposal and 2023 Supplemental Proposal, including:

- New or substantially revised reporting requirements (i.e., the final change requires additional or different data to be reported) included in the final amendments;
- Existing reporting requirements for which the EPA had not previously make a confidentiality determination or “emission data” designation; and
- Existing reporting requirements for which the EPA is amending or clarifying the existing confidentiality determination.

More information regarding the proposed confidentiality determinations and “emission data” designations may be found in the preamble to the 2022 Data Quality Improvements Proposal and the 2023 Supplemental Proposal and the memoranda “Proposed Confidentiality Determinations and Emission Data Designations for Data Elements in Proposed Revisions to the Greenhouse Gas Reporting Rule” and “Proposed Confidentiality Determinations and Emission Data Designations for Data Elements in Proposed Supplemental Revisions to the Greenhouse Gas Reporting Rule,” available in the docket for this rulemaking (Docket Id. No. EPA-HQ-OAR-2019-0424). In most cases, the EPA is finalizing the confidentiality determinations or “emission data” designations as proposed. For certain data elements, the EPA is not taking final action on a determination at this time, has revised the final determination following further consideration, or has minimally revised the data element from the proposed rules.

This memorandum consists of seven tables.

- Table 1 includes the final “emission data” designations for 50 new and substantially revised data elements included in the final rulemaking. The table is organized into the following “emission data” categories:
 - Emissions;
 - Facility and Unit Identifier Information;
 - Calculation Methodology and Methodological Tier; and
 - Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations.

For each finalized “emission data” designation in Table 1, the EPA provides a listing of the subpart, the final 40 CFR part 98 rule citation, the proposed 40 CFR part 98 rule citation (if the citation was revised from proposal to final), a description of the data element, and an indication of whether the data element is revised or newly added to 40 CFR part 98 (including whether the “emissions data” designation was revised from the proposed rule).

- Table 2 includes the final confidentiality determinations for 182 new and substantially revised data elements included in the final rulemaking. For each data element, the EPA provides a listing of the

subpart, the final 40 CFR part 98 rule citation, the proposed 40 CFR part 98 rule citation (if the citation was revised from proposal to final), a description of the data element, an indication of whether the data element is revised or newly added to 40 CFR part 98, and the final confidentiality determination for each data element (including whether the determination was revised from the proposed rule).

- Table 3 includes final confidentiality determinations and “emission data” designations for 7 existing data elements where the EPA had not previously made a confidentiality determination or “emission data” designation. For each data element, the EPA provides a listing of the subpart, the 40 CFR part 98 rule citation, a description of the data element, and the final confidentiality determination or “emission data” designation.
- Table 4 includes final confidentiality determinations for 45 existing data elements where EPA has amended or clarified the existing determinations in this final action. For each data element, the EPA provides a listing of the subpart, the 40 CFR part 98 rule citation, a description of the data element, and the final confidentiality determination.
- Table 5 lists 31 proposed reporting requirements where the EPA is not taking final action at this time. As the EPA is not finalizing the reporting requirement at this time, the EPA is not making final confidentiality determinations or “emissions data” designations at this time. For each data element, the EPA provides a listing of the subpart, the proposed 40 CFR part 98 citation, and a description of the data element.
- Table 6 includes 5 data elements where the EPA is not making a final confidentiality determination or “emission data” designation at this time. For each data element, the EPA provides a listing of the subpart, the 40 CFR part 98 rule citation, a description of the data element, and an indication of whether the data element is revised or newly added to 40 CFR part 98.
- Table 7 includes 36 data elements that are minimally revised from the proposed rules to final. For each data element, the EPA provides a listing of the subpart, the final 40 CFR part 98 rule citation, the proposed 40 CFR part 98 rule citation (if it was revised from proposal to final), the proposed description of the data element, and the final description of the data element. The minimal revisions are highlighted in bold text.

In the 2024 Final Revisions, the EPA is also finalizing certain new and substantially revised reporting requirements for data elements assigned to the “Inputs to Emission Equations” data category. See the memorandum titled “Reporting Determinations for Data Elements Assigned to the Inputs to Emission Equations Data Category in the 2024 Final Revisions to the Greenhouse Gas Reporting Rule” for additional information.

Table 1. FINAL EMISSION DATA DESIGNATIONS FOR NEW AND SUBSTANTIALLY REVISED DATA ELEMENTS INCLUDED IN THE 2024 FINAL REVISIONS TO THE GREENHOUSE GAS REPORTING RULE

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised
Data Elements Assigned to the “Emissions” Direct Emitter Data Category			
C	98.36(c)(1)(vi)	When reporting using aggregation of units, if any of the stationary fuel combustion units burn biomass, the annual CO ₂ emissions from combustion of all biomass fuels combined (metric tons).	Revised ¹
C	98.36(c)(3)(vi)	When reporting using the common pipe configuration, if any of the stationary fuel combustion units burn biomass, the annual CO ₂ emissions from combustion of all biomass fuels combined (metric tons).	Revised ¹
P	98.166(b) (proposed 98.166(b)(2)(i)) ²	For each hydrogen production unit, if a CEMS is used to measure CO ₂ emissions from either a common stack for multiple hydrogen production units or a common stack for hydrogen production unit(s) and other sources, the estimated decimal fraction of the total annual CO ₂ emissions attributable to the hydrogen production unit.	New

¹ The EPA has identified that this revised data element was inadvertently placed into a different “emissions data” category than the existing version of the data element; the EPA is correcting the placement of this data element from “Facility and Unit Identifier” to “Emissions.” See Table 6 from section VI.B within the preamble to the 2024 Final Revisions.

² The EPA is making minor revisions to this data element in this final action as compared to the proposed data element. Minor revisions include revised citations and/or clarifications to the text. Table 7 of this memo highlights minor revisions to the data element descriptions, and section VI.B of the preamble to the 2024 Final Revisions includes additional details.

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised
P	98.166(c) (proposed 98.166(b)(2) and (b)(2)(ii)) ²	For each hydrogen production unit, if a material balance is used to calculate emissions using Equations P-1 through P-3 of 40 CFR part 98 subpart P, as applicable, the total annual CO ₂ emissions (metric tons).	Revised
X	98.246(b)(7)	Estimates of the fractions of the total CO ₂ , CH ₄ , and N ₂ O emissions that are attributable to combustion of off-gas from the petrochemical process unit(s) served by the flare at the petrochemical production facility (CEMS).	New
X	98.246(c)(3)	If you comply with the combustion methodology specified in 40 CFR 98.243(d), estimates of the fractions of the total CO ₂ , CH ₄ , and N ₂ O emissions that are attributable to combustion of off-gas from the ethylene process unit(s) served by the flare at the petrochemical production facility.	New
DD	98.306(t) (proposed 98.306(q)) ²	For each reportable insulating gas reported in 40 CFR 98.306(a), (d) through (o), and (q), the ID number or other appropriate descriptor that is unique to that reportable insulating gas.	New
DD	98.306(u) (proposed 98.306(r)) ²	For each unique insulating gas, for each ID number or descriptor reported in 40 CFR 98.306(t), the weight percent of each fluorinated gas in the insulating gas.	New
DD	98.306(u)	For each unique insulating gas, for each ID number or descriptor reported in 40 CFR 98.306(t), the name (as required in 40 CFR 98.3(c)(4)(iii)(G)(I)) of each fluorinated gas in the insulating gas.	New
SS	98.456(u) ²	For each insulating gas reported in 40 CFR 98.456(a) through (j) and (o) through (r), the ID number or other appropriate descriptor unique to that insulating gas.	New
SS	98.456(v)	For each unique insulating gas ID number or descriptor reported in 40 CFR 98.456(u), the name (as required in 40 CFR 98.3(c)(4)(iii)(G)(I)).	New
SS	98.456(v)	For each unique insulating gas ID number or descriptor reported in 40 CFR 98.456(u), the weight percent of each fluorinated gas in the insulating gas.	New
VV	98.486(e)(1)	Loss of CO ₂ due to leakage from production, handling, and recycling CO ₂ -Enhanced Oil Recovery (EOR) facility (infrastructure including wellheads).	New
VV	98.486(e)(2)	Loss of CO ₂ from venting/flaring from production operations at the CO ₂ -EOR facility.	New
WW	98.496(c)	For each coke calcining unit, the calculated CO ₂ annual process emissions (metric tons).	Revised
WW	98.496(c)	For each coke calcining unit, the calculated CH ₄ annual process emissions (metric tons).	Revised
WW	98.496(c)	For each coke calcining unit, the calculated N ₂ O annual process emissions (metric tons).	Revised

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised
XX	98.506(g)(1)	For each CEMS monitoring location measuring process emissions from the calcium carbide production process unit, the annual CO ₂ emissions (metric tons) (CEMS).	New
XX	98.506(h)(1)	For each calcium carbide production process unit, if the carbon mass balance procedure is used to determine CO ₂ emissions, the annual process CO ₂ emissions (metric tons) (no CEMS).	New
YY	98.516(b)(1)	For each caprolactam production process line, the annual N ₂ O emissions (metric tons).	New
YY	98.516(b)(2)	For each glyoxal production process line, the annual N ₂ O emissions (metric tons).	New
YY	98.516(b)(3)	For each glyoxylic acid production process line, the annual N ₂ O emissions (metric tons).	New
ZZ	98.526(c)(1)	For a facility containing a ceramics manufacturing process, for each ceramics process unit, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual process emissions of CO ₂ (metric tons) (no CEMS).	New
ZZ	98.526(c)(1)	For a facility containing a ceramics manufacturing process, for all ceramics manufacturing process units combined, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual process emissions of CO ₂ (metric tons) (no CEMS).	New
Data Elements Assigned to the “Facility and Unit Identifier Information” Direct Emitter Data Category			
P	98.166(a) (proposed 98.166(b)(1))	For each hydrogen production unit, the unit identification number.	Revised
P	98.166(d)(1) (proposed 98.166(b)(1)(i))	For each hydrogen production unit, the type of unit (steam methane reformer (SMR) only, SMR followed by water gas shift reaction (WGS), partial oxidation (POX) only, POX followed by WGS, autothermal reforming only, autothermal reforming followed by WGS, water electrolysis, brine electrolysis, or other).	New
Q	98.176(g)	For each process unit at an iron and steel production facility, the unit type.	New
HH	98.346(j)(6)(i)	For landfills with gas collection systems, for each gas collection system, the unique name or ID number.	New
HH	98.346(j)(6)(v)(A)	For landfills with gas collection systems, for each measurement location associated with each gas collection system at a landfill facility, the unique name or ID number for the measurement location.	New
HH	98.346(j)(6)(v)(D)(I)	For landfills with gas collection systems, for each destruction device associated with each measurement location associated with each gas collection system (where destruction occurs in full or in part): the unique name or ID number for the destruction device.	New
WW	98.496(a)	For each coke calcining unit, the unit ID number.	Revised
XX	98.506(g)(2)	For each calcium carbide production process unit, the identification number of the unit (CEMS).	New
YY	98.516(a)	For each caprolactam production process line, the process line identification number.	New

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised
YY	98.516(a)	For each glyoxal production process line, the process line identification number.	New
YY	98.516(a)	For each glyoxylic acid production process line, the process line identification number.	New
Data Elements Assigned to the “Calculation Methodology and Methodological Tier” Direct Emitter Data Category			
I	98.96(y)(2)(iv)	For electronics manufacturing facilities, the technology assessment report required under 40 CFR 98.96(y) must include the method used to calculate each utilization and by-product formation rate.	New
I	98.96(y)(2)(iv)	For electronics manufacturing facilities, the technology assessment report required under 40 CFR 98.96(y) must include the unique record number for each data set used to calculate each reported utilization and by-product formation rate.	New
I	98.96(y)(2)(iv) ²	For electronics manufacturing facilities, the technology assessment report required under 40 CFR 98.96(y), for any destruction or removal efficiency data submitted, the report must include: whether the abatement system is specifically designed to abate the gas measured under the operating conditions used for the measurement.	New
SS	98.456(p) ²	If the mass of each reportable insulating gas disbursed to customers in new equipment over the period p is determined according to 40 CFR 98.453(h), the number of samples for each make, model, and group of conditions.	Revised
SS	98.456(p) ²	If the mass of each reportable insulating gas disbursed to customers in new equipment over the period p is determined according to 40 CFR 98.453(h), the upper and lower bounds on the 95 percent confidence interval for each make, model, and group of conditions.	Revised
WW	98.496(d)	For each coke calcining unit, a description of the method used to calculate the CO ₂ emissions for each unit (e.g., CEMS or equation 1 to § 98.493(b)(2)).	Revised
XX	98.506(h)(2)	For each calcium carbide production process unit, if the carbon mass balance procedure is used to determine CO ₂ emissions, the method used for determining the carbon content for each input and output material included in the calculation of annual process CO ₂ emissions.	New
Data Elements Assigned to the “Data Elements Reported for Periods of Missing Data that are Not Inputs to Emission Equations” Direct Emitter Data Category			
N	98.146(b)(9)	For each continuous glass melting furnace, the number of times in the reporting year (months) that missing data procedures were followed to measure monthly quantities of recycled scrap glass (cullet) (no CEMS).	New
XX	98.506(h)(3)	For each calcium carbide production process unit, if the carbon mass balance procedure was used to determine CO ₂ emissions and if missing data procedures were used, report how the monthly mass of carbon-containing inputs and outputs was determined (no CEMS).	New
XX	98.506(h)(3)	For each calcium carbide production process unit, if the carbon mass balance procedure was used to determine CO ₂ emissions and if missing data procedures were used, the number of months missing data procedures were used (no CEMS).	New
YY	98.516(i)	For the caprolactam production facility, the number of times in the reporting year (months) that missing data procedures were followed to measure production quantities of caprolactam.	New

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised
YY	98.516(i)	For the glyoxal production facility, the number of times in the reporting year (months) that missing data procedures were followed to measure production quantities of glyoxal.	New
YY	98.516(i)	For the glyoxylic acid production facility, the number of times in the reporting year (months) that missing data procedures were followed to measure production quantities of glyoxylic acid.	New
ZZ	98.526(c)(7)	For a facility containing a ceramics manufacturing process, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), for each applicable ceramics manufacturing process unit using the missing data procedures in 40 CFR 98.525(b): the number of times in the reporting year (months) that missing data procedures were followed to measure monthly quantities of carbonate-based raw materials (no CEMS).	New
ZZ	98.526(c)(7)	For a facility containing a ceramics manufacturing process, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), for each applicable ceramics manufacturing process unit using the missing data procedures in 40 CFR 98.525(b): the number of times in the reporting year (months) that missing data procedures were followed to measure the monthly mass fraction of carbonate-based minerals (no CEMS).	New

Table 2. FINAL CONFIDENTIALITY DETERMINATIONS FOR NEW AND SUBSTANTIALLY REVISED DATA ELEMENTS INCLUDED IN THE 2024 FINAL REVISIONS TO THE GREENHOUSE GAS REPORTING RULE

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
G	98.76(b)(16)	For each ammonia manufacturing unit, the annual quantity of excess hydrogen produced (metric tons) that is not consumed through the production of ammonia (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(a)(4)	Annual arithmetic average of total CaO content of clinker at the facility (weight fraction) (CEMS).	New	Eligible for Confidential Treatment
H	98.86(a)(5)	Annual arithmetic average of non-calcined CaO content of clinker at the facility (weight fraction) (CEMS).	New	Eligible for Confidential Treatment
H	98.86(a)(6)	Annual arithmetic average of total MgO content of clinker at the facility (weight fraction) (CEMS).	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
H	98.86(a)(7)	Annual arithmetic average of non-calcined MgO content of clinker at the facility (weight fraction) (CEMS).	New	Eligible for Confidential Treatment
H	98.86(a)(8) (proposed 98.86(a)(12))	Annual facility CKD not recycled to the kiln(s) (tons) (CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(19)	Annual arithmetic average of total CaO content of clinker at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(20)	Annual arithmetic average of non-calcined CaO content of clinker at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(21)	Annual arithmetic average of total MgO content of clinker at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(22)	Annual arithmetic average of non-calcined MgO content of clinker at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(23)	Annual arithmetic average of total CaO content of CKD not recycled to the kiln(s) at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(24)	Annual arithmetic average of non-calcined CaO content of CKD not recycled to the kiln(s) at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(25)	Annual arithmetic average of total MgO content of CKD not recycled to the kiln(s) at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(26)	Annual arithmetic average of non-calcined MgO content of CKD not recycled to the kiln(s) at the facility (weight fraction) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(27)	Annual facility CKD not recycled to the kiln(s) (tons) (no CEMS).	New	Eligible for Confidential Treatment
H	98.86(b)(28)	Amount of raw kiln feed consumed annually at the facility (tons, dry basis) (no CEMS).	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
I	98.96(o) ²	For electronics manufacturing facilities, for all HC fuel CECS purchased and installed on or after January 1, 2025, that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type and for which you are not calculating emissions under Equation I-9: certification that the rate of conversion from F ₂ to CF ₄ is <0.1% and that the systems are installed, operated, and maintained in accordance with the directions of the HC fuel CECS manufacturer.	New	Not Eligible
I	98.96(o) ²	For electronics manufacturing facilities, for all HC fuel CECS purchased and installed on or after January 1, 2025, that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type and for which you are not calculating emissions under Equation I-9: if you make the certification in 40 CFR 98.96(o) based on your own testing, you must certify that you tested the model of the system according to the requirements specified in 40 CFR 98.94(e).	New	Not Eligible
I	98.96(o) ²	For electronics manufacturing facilities, for all HC fuel CECS purchased and installed on or after January 1, 2025, that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type and for which you are not calculating emissions under Equation I-9: if you make the certification in 40 CFR 98.96(o) based on testing by the HC fuel CECS manufacturer, you must provide documentation from the HC fuel CECS manufacturer that the rate of conversion from F ₂ to CF ₄ is <0.1% when tested according to the requirements specified in 40 CFR 98.94(e).	New	Not Eligible
I	98.96(p)(2)	For electronics manufacturing facilities, for abatement systems through which fluorinated GHGs or N ₂ O flow at your facility and for which you are claiming destruction or removal efficiency, for each process sub-type or process type and for each gas: the basis of the destruction or removal efficiency being used (default, manufacturer verified, or site-specific measurement according to 40 CFR 98.94(f)(4)(i)).	Revised	Not Eligible
N	98.146(a)(2)	Annual quantity of glass produced (tons), by glass type, from each glass melting furnace (CEMS).	Revised	Eligible for Confidential Treatment
N	98.146(a)(2)	Annual quantity of glass produced (tons), by glass type, from all furnaces combined (CEMS).	Revised	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
N	98.146(a)(3) ²	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to each continuous glass melting furnace (CEMS).	New	Eligible for Confidential Treatment
N	98.146(a)(3) ²	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to all continuous glass melting furnaces combined (CEMS).	New	Eligible for Confidential Treatment
N	98.146(b)(3)	Annual quantity of glass produced (tons), by glass type, from each continuous glass melting furnace (no CEMS).	Revised	Eligible for Confidential Treatment
N	98.146(b)(3)	Annual quantity of glass produced (tons), by glass type, from all continuous glass melting furnaces combined (no CEMS).	Revised	Eligible for Confidential Treatment
N	98.146(b)(4) ²	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to each continuous glass melting furnace (no CEMS).	New	Eligible for Confidential Treatment
N	98.146(b)(4) ²	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to all continuous glass melting furnaces combined (no CEMS).	New	Eligible for Confidential Treatment
P	98.166(b) (proposed 98.166(a)) ²	For each hydrogen production process unit, if a CEMS is used to measure CO ₂ emissions, the relevant information required under 40 CFR 98.36 for the Tier 4 Calculation Methodology.	Revised	This data element is not assigned a confidentiality determination because the data element refers to an existing reporting requirement specified in a different subpart; this existing reporting requirement was previously assigned a confidentiality determination under that subpart in a previous rulemaking.
P	98.166(c) (proposed 98.166(b)(5)) ²	For each hydrogen production unit for which a material balance is used to calculate emissions using Equations P-1 through P-3 of 40 CFR part 98, subpart P, as applicable, the name and annual quantity (metric tons) of each carbon-containing fuel and feedstock.	Revised	Eligible for Confidential Treatment
P	98.166(d)(2) (proposed 98.166(b)(1)(ii))	For each hydrogen production unit, the type of hydrogen purification method (pressure swing adsorption, amine adsorption, membrane separation, other, none).	New	Not Eligible
P	98.166(d)(3)	For each hydrogen production unit, the annual quantity of hydrogen produced by reforming, gasification, oxidation, reaction, or other transformation of feedstocks (metric tons).	Revised	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
	(proposed 98.166(b)(3)(i)) ²			
P	98.166(d)(4) (proposed 98.166(b)(3)(ii)) ²	For each hydrogen production unit, the annual quantity of hydrogen that is purified only (metric tons).	New	Eligible for Confidential Treatment
P	98.166(d)(5) (proposed 98.166(b)(4))	For each hydrogen production unit, the annual quantity of ammonia intentionally produced as a desired product (metric tons), if applicable.	Revised	Eligible for Confidential Treatment
P	98.166(d)(6) (proposed 98.166(b)(6))	For each hydrogen production unit, the quantity of CO ₂ collected and transferred off site in either gas, liquid, or solid forms, following the requirements of 40 CFR part 98 subpart PP.	Revised	This data element is not assigned a confidentiality determination because the data element refers to an existing reporting requirement specified in a different subpart; this existing reporting requirement was previously assigned a confidentiality determination under that subpart in a previous rulemaking. Note that the existing reporting requirement in 40 CFR 98.426 includes two subcategories of industries associated with subpart PP, each assigned a different confidentiality determination; the confidentiality determination that applies to 40 CFR 98.166(d)(6) is the determination for the subpart PP industry described as “industrial CO ₂ production facilities and importers/exporters.”

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
P	98.166(d)(7) (proposed 98.166(b)(7)) ²	For each hydrogen production unit, the annual quantity of carbon (metric tons) other than CO ₂ or methanol collected and transferred off site or transferred to a separate process unit within the facility for which GHG emissions associated with this carbon are being reported under other provisions of 40 CFR part 98, in either gas, liquid, or solid forms.	Revised	Eligible for Confidential Treatment
P	98.166(d)(8) (proposed 98.166(b)(8))	For each hydrogen production unit, the annual quantity of methanol intentionally produced as a desired product (metric tons), if applicable.	Revised	Eligible for Confidential Treatment
P	98.166(d)(9) (proposed 98.166(b)(9))	For each hydrogen production unit, the annual net quantity of steam consumed (metric tons), including steam purchased or produced outside of the hydrogen production unit.	New	Eligible for Confidential Treatment
Q	98.176(g)	For each process unit at the iron and steel production facility, the annual production capacity.	New	No Determination
Q	98.176(g)	For each process unit at the iron and steel production facility, the annual operating hours.	New	Not Eligible
S	98.196(a)(9)	Annual arithmetic average of calcium oxide content for each type of lime product produced (metric tons CaO/metric ton lime) at the lime manufacturing facility (CEMS).	New	Eligible for Confidential Treatment
S	98.196(a)(10)	Annual arithmetic average of magnesium oxide content for each type of lime product produced (metric tons MgO/metric ton lime) at the lime manufacturing facility (CEMS).	New	Eligible for Confidential Treatment
S	98.196(a)(11)	Annual arithmetic average of calcium oxide content for each type of calcined lime byproduct/waste sold (metric tons CaO/metric ton lime) at the lime manufacturing facility (CEMS).	New	Eligible for Confidential Treatment
S	98.196(a)(12)	Annual arithmetic average of magnesium oxide content for each type of calcined lime byproduct/waste sold (metric tons MgO/metric ton lime) at the lime manufacturing facility (CEMS).	New	Eligible for Confidential Treatment
S	98.196(a)(13)	Annual arithmetic average of calcium oxide content for each type of calcined lime byproduct/waste not sold (metric tons CaO/metric ton lime) at the lime manufacturing facility (CEMS).	New	Eligible for Confidential Treatment
S	98.196(a)(14)	Annual arithmetic average of magnesium oxide content for each type of calcined lime byproduct/waste not sold (metric tons MgO/metric ton lime) at the lime manufacturing facility (CEMS).	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
S	98.196(b)(22)	Annual average results of chemical composition analysis of all lime byproducts or wastes not sold at the lime manufacturing facility (no CEMS).	New	Eligible for Confidential Treatment
S	98.196(b)(23)	Annual quantity (tons) of all lime byproducts or wastes not sold at the lime manufacturing facility (no CEMS).	New	Eligible for Confidential Treatment
X	98.246(c)(6)	If you comply with the combustion methodology specified in 40 CFR 98.243(d), the name of each product produced in each process unit at the petrochemical production facility.	New	Eligible for Confidential Treatment
X	98.246(c)(6)	If you comply with the combustion methodology specified in 40 CFR 98.243(d), the annual quantity (metric tons) of each product produced in each process unit at the petrochemical production facility.	New	Eligible for Confidential Treatment
Y	98.256(j)(2)	For asphalt blowing operations at petroleum refineries, the maximum rated throughput (metric tons asphalt/stream day) of each asphalt blowing unit.	New	Eligible for Confidential Treatment
Y	98.256(k)(6)(i)	For each delayed coking unit vessel at petroleum refineries, if you use mass measurements from company records to determine the typical dry mass of coke in the delayed coking unit vessel at the end of the coking cycle, the internal height (feet).	New	Eligible for Confidential Treatment
Y	98.256(k)(6)(ii)	For each delayed coking unit vessel at petroleum refineries, if you use mass measurements from company records to determine the typical dry mass of coke in the delayed coking unit vessel at the end of the coking cycle, the typical distance from the top of the delayed coking unit vessel to the top of the coke bed (i.e., coke drum outage) at the end of the coking cycle (feet) from company records or engineering estimates.	New	Eligible for Confidential Treatment
BB	98.286(c)(1)	If methane abatement technology is used at the silicon carbide production facility, the type of methane abatement technology used on each silicon carbide process unit or production furnace.	New	Not Eligible
BB	98.286(c)(1)	If methane abatement technology is used at the silicon carbide production facility, the date of installation for each methane abatement technology used on each silicon carbide process unit or production furnace.	New	Not Eligible
BB	98.286(c)(2)	If methane abatement technology is used at the silicon carbide production facility, for each methane abatement technology, the methane destruction efficiency (percent destruction).	New	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
BB	98.286(c)(2)	If methane abatement technology is used at the silicon carbide production facility, if you report the methane destruction efficiency determined via a performance test, the test method that was used during the performance test.	New	Not Eligible
BB	98.286(c)(3)	If methane abatement technology is used at the silicon carbide production facility, for all silicon carbide process units or production furnaces combined, the percentage of annual operating hours that methane abatement technology was in use.	New	Not Eligible
DD	98.306(a)(1) ²	Nameplate capacity of equipment (pounds) containing each reportable insulating gas: existing at the beginning of the year (excluding hermetically sealed-pressure switchgear).	Revised	Not Eligible
DD	98.306(q)(1) (proposed 98.306(n)(1)) ²	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: new hermetically sealed-pressure switchgear during the year.	Revised	Not Eligible
DD	98.306(q)(2) (proposed 98.306(n)(2)) ²	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: new equipment other than hermetically sealed-pressure switchgear during the year.	Revised	Not Eligible
DD	98.306(q)(3) (proposed 98.306(n)(3)) ²	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: retired hermetically sealed-pressure switchgear during the year.	Revised	Not Eligible
DD	98.306(q)(4) (proposed 98.306(n)(4)) ²	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: retired equipment other than hermetically sealed-pressure switchgear during the year.	Revised	Not Eligible
DD	98.306(r)(1) (proposed 98.306(o)(1))	The total nameplate capacity values most recently assigned by the electrical equipment manufacturer(s) to all new equipment whose nameplate capacity values were measured by the user under 40 CFR part 98 subpart DD and for which the user adopted the user-measured nameplate capacity value during the year.	New	Not Eligible
DD	98.306(r)(2) (proposed 98.306(o)(2))	The total nameplate capacity values most recently assigned by the electrical equipment manufacturer(s) to all retiring equipment whose nameplate capacity values were measured by the user under 40 CFR part 98 subpart DD and for which the user adopted the user-measured nameplate capacity value during the year.	New	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
DD	98.306(s)(1) (proposed 98.306(p)(1))	The total nameplate capacity values measured by the electrical equipment user for all new equipment whose nameplate capacity values were measured by the user under 40 CFR part 98 subpart DD and for which the user adopted the user-measured nameplate capacity value during the year.	New	Not Eligible
DD	98.306(s)(2) (proposed 98.306(p)(2))	The total nameplate capacity values measured by the electrical equipment user for all retiring equipment whose nameplate capacity values were measured by the user under 40 CFR part 98 subpart DD and for which the user adopted the user-measured nameplate capacity value during the year.	New	Not Eligible
GG	98.336(a)(6)	The total amount of electric arc furnace dust annually consumed (tons) by all Waelz kilns at the zinc production facility (CEMS).	New	Eligible for Confidential Treatment
GG	98.336(b)(6)	The total amount of electric arc furnace dust annually consumed (tons) by all Waelz kilns at the zinc production facility (no CEMS).	New	Eligible for Confidential Treatment
HH	98.346(h)	For each landfill, an indication of the applicability of 40 CFR part 60 or part 62 requirements to the landfill (40 CFR part 60, subpart WWW, 40 CFR part 60, subpart XXX, approved state plan implementing 40 CFR part 62, subparts Cc or Cf, federal plan as implemented at 40 CFR part 62, subparts GGG or OOO, or not subject to 40 CFR part 60 or part 62 municipal solid waste landfill rules).	New	Not Eligible
HH	98.346(h) ²	For each landfill subject to a 40 CFR part 60 or part 62 municipal solid waste landfill rule, an indication of whether the landfill gas collection system is required under 40 CFR part 60 or part 62.	New	Not Eligible
HH	98.346(j)(6)(v)(C)	For landfills with gas collection systems, for each measurement location associated with each gas collection system at a landfill facility, an indication of whether destruction occurs at the landfill facility, off-site, or both.	Revised	Not Eligible
HH	98.346(j)(6)(v)(D) (2)	For landfills with gas collection systems, for each destruction device associated with each measurement location associated with each gas collection system (where destruction occurs in full or in part): the type of destruction device (flare, landfill gas to energy project, off-site, or other).	New	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
HH	98.346(j)(6)(v)(D)(4)	For landfills with gas collection systems, for each destruction device associated with each measurement location associated with each gas collection system (where destruction occurs in full or in part): the total annual hours where active gas flow was sent to the destruction device.	New	Not Eligible
HH	98.346(j)(6)(v)(D)(5)	For landfills with gas collection systems, for each destruction device associated with each measurement location associated with each gas collection system (where destruction occurs in full or in part): the annual operating hours where active gas flow was sent to the destruction device, and the destruction device was operating at its intended temperature or other parameter indicative of effective operation.	Revised	Not Eligible
HH	98.346(j)(6)(v)(D)(6)	For landfills with gas collection systems, for each destruction device associated with each measurement location associated with each gas collection system (where destruction occurs in full or in part): the estimated fraction of the recovered CH ₄ reported for the measurement location directed to the destruction device based on best available data or engineering judgement (decimal).	New	Not Eligible
OO	98.416(c)(7) ²	The customs entry number for each shipment.	New	Not Eligible
OO	98.416(k)	For each nitrous oxide, saturated perfluorocarbon, sulfur hexafluoride, and fluorinated heat transfer fluids (HTFs), the end use(s) for which each GHG or fluorinated HTF is transferred.	New	Eligible for Confidential Treatment
OO	98.416(k)	For nitrous oxide, saturated perfluorocarbons, sulfur hexafluoride, and fluorinated HTFs, the aggregated annual quantity of that GHG or fluorinated HTF (metric tons) that is transferred to each end use application, if known.	New	Eligible for Confidential Treatment
PP	98.426(f)(12)	Aggregated annual quantity of CO ₂ (metric tons) that is transferred to geologic sequestration of CO ₂ with enhanced oil recovery that is covered by subpart VV of 40 CFR part 98 (reported by CO ₂ production wells).	New	Not Eligible
PP	98.426(f)(12)	Aggregated annual quantity of CO ₂ (metric tons) that is transferred to geologic sequestration of CO ₂ with enhanced oil recovery that is covered by subpart VV of 40 CFR part 98 (reported by industrial CO ₂ production facilities and importers/exporters).	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
PP	98.426(h)(1)	If you capture a CO ₂ stream from a facility that is subject to 40 CFR part 98 and transfer CO ₂ to any facilities that are subject to subpart RR or subpart VV of 40 CFR part 98, the facility identification number associated with the annual GHG report for the facility that is the source of the captured CO ₂ stream.	Revised	No Determination
PP	98.426(h)(2)	If you capture a CO ₂ stream from a facility that is subject to 40 CFR part 98 and transfer CO ₂ to any facilities that are subject to subpart RR or subpart VV of 40 CFR part 98, each facility identification number associated with the annual GHG reports for each subpart RR and subpart VV facility to which CO ₂ is transferred.	Revised	No Determination
PP	98.426(h)(3)	If you capture a CO ₂ stream from a facility that is subject to 40 CFR part 98 and transfer CO ₂ to any facilities that are subject to subpart RR or subpart VV of 40 CFR part 98, the annual quantity of CO ₂ (metric tons) that is transferred to each subpart RR and subpart VV facility.	Revised	No Determination
PP	98.426(i)(1)	If you capture a CO ₂ stream at a facility with a direct air capture (DAC) process unit and electricity (excluding combined heat and power (CHP)) is provided to a dedicated meter for the DAC process unit: the annual quantity of electricity (generated on-site and off-site) consumed for the DAC process unit (MWh).	New	Eligible for Confidential Treatment ³
PP	98.426(i)(1)(i)(A)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if the electricity is sourced from a grid connection, the state where the facility with the DAC process unit is located.	New	Not Eligible
PP	98.426(i)(1)(i)(B)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if the electricity is sourced from a grid connection, the county where the facility with the DAC process unit is located.	New	Not Eligible
PP	98.426(i)(1)(i)(C)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if the electricity is sourced from a grid connection, the name of the electric utility company that supplied the electricity as shown on the last monthly bill issued by the utility company during the reporting period.	New	Eligible for Confidential Treatment ³

³ The EPA is revising the confidentiality determination from “Not Eligible” to “Eligible for Confidential Treatment.” See Table 6 and section VI.B from the preamble to the 2024 Final Revisions.

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
PP	98.426(i)(1)(i)(D)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if the electricity is sourced from a grid connection, the name of the electric utility company that delivered the electricity.	New	Eligible for Confidential Treatment ³
PP	98.426(i)(1)(i)(E)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if the electricity is sourced from a grid connection, the annual quantity of electricity consumed for the DAC process unit (MWh).	New	Eligible for Confidential Treatment ³
PP	98.426(i)(1)(ii)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if electricity is sourced from on-site or through a contractual mechanism for dedicated off-site generation, indicate each applicable energy source (non-hydropower renewable sources including solar, wind, geothermal and tidal; hydropower; natural gas; oil; coal; nuclear; and other).	New	Not Eligible
PP	98.426(i)(1)(ii)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if electricity is sourced from on-site or through a contractual mechanism for dedicated off-site generation, the annual quantity of electricity consumed per applicable energy source (MWh), if known.	New	Eligible for Confidential Treatment ³
PP	98.426(i)(1)(ii)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity (excluding CHP) is provided to a dedicated meter for the DAC process unit: if the on-site electricity source is natural gas, oil, or coal, indicate whether flue gas is also captured by the DAC process unit.	New	Not Eligible
PP	98.426(i)(2)	If you capture a CO ₂ stream at a facility with a DAC process unit and you use heat, steam, or other forms of thermal energy (excluding CHP) for the DAC process unit: indicate each applicable energy source (solar, geothermal, natural gas, oil, coal, nuclear, other).	New	Not Eligible
PP	98.426(i)(2)	If you capture a CO ₂ stream at a facility with a DAC process unit and you use heat, steam, or other forms of thermal energy (excluding CHP) for the DAC process unit: the annual quantity of heat, steam, or other forms of thermal energy sourced from on-site or through a contractual mechanism for dedicated off-site generation per applicable energy source (MJ), if known.	New	Eligible for Confidential Treatment ³

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
PP	98.426(i)(2)	If you capture a CO ₂ stream at a facility with a DAC process unit and you use heat, steam, or other forms of thermal energy (excluding CHP) sourced from on-site for the DAC process unit: if the on-site heat source is natural gas, oil, or coal, indicate whether flue gas is also captured by the DAC process unit.	New	Not Eligible
PP	98.426(i)(3)(i)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity from CHP is sourced from on-site or through a contractual mechanism for dedicated off-site generation: indicate each applicable energy source (non-hydropower renewable sources including solar, wind, geothermal and tidal; hydropower; natural gas; oil; coal; nuclear; and other).	New	Not Eligible
PP	98.426(i)(3)(i)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity from CHP is sourced from on-site or through a contractual mechanism for dedicated off-site generation: the annual quantity of electricity consumed for the DAC process unit per applicable energy source (MWh), if known.	New	Eligible for Confidential Treatment ³
PP	98.426(i)(3)(i)	If you capture a CO ₂ stream at a facility with a DAC process unit and electricity from CHP is sourced from on-site: if the on-site electricity source for CHP is natural gas, oil, or coal, indicate whether flue gas is also captured by the DAC process unit.	New	Not Eligible
PP	98.426(i)(3)(ii)	If you capture a CO ₂ stream at a facility with a DAC process unit and you use heat from CHP for the DAC process unit: indicate each applicable energy source (solar, geothermal, natural gas, oil, coal, nuclear, and other).	New	Not Eligible
PP	98.426(i)(3)(ii)	If you capture a CO ₂ stream at a facility with a DAC process unit and you use heat from CHP for the DAC process unit: the annual quantity of heat, steam, or other forms of thermal energy from CHP sourced from on-site or through a contractual mechanism for dedicated off-site generation per applicable energy source (MJ), if known.	New	Eligible for Confidential Treatment ³
PP	98.426(i)(3)(ii)	If you capture a CO ₂ stream at a facility with a DAC process unit and you use heat from CHP sourced from on-site for the DAC process unit: if the on-site heat source is natural gas, oil, or coal, indicate whether flue gas is also captured by the DAC process unit.	New	Not Eligible
QQ	98.436(a)(7)	For imports at the corporate level except for transshipments, for each importer of fluorinated GHGs contained in pre-charged equipment, the harmonized tariff system (HTS) code for each type of pre-charged equipment imported in the year.	New	No Determination

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
QQ	98.436(a)(7)	For imports at the corporate level except for transshipments, for each importer of fluorinated GHGs contained in closed-cell foams, the HTS code for each type of closed-cell foam imported in the year.	New	No Determination
QQ	98.436(b)(7)	For exports at the corporate level except for transshipments, for each exporter of fluorinated GHGs contained in pre-charged equipment, the Schedule B code for each type of pre-charged equipment exported in the year.	New	No Determination
QQ	98.436(b)(7)	For exports at the corporate level except for transshipments, for each exporter of fluorinated GHGs contained in closed-cell foams, the Schedule B code for each type of closed-cell foam exported in the year.	New	No Determination
SS	98.456(k) ²	If different from 40 CFR 98.456(f), the nameplate capacity of the equipment (pounds) delivered to customers with each insulating gas inside.	Revised	Eligible for Confidential Treatment
VV	98.481(b)(3)	A reporter must notify the Administrator of its intent to cease reporting under 40 CFR part 98 subpart VV.	New	Not Eligible
VV	98.481(b)(3)	A reporter ceasing reporting under 40 CFR part 98 subpart VV must provide a copy of the CO ₂ -EOR project termination documentation.	New	Not Eligible
VV	98.486(a)	The annual quantity of associated storage (metric tons of CO ₂).	New	Not Eligible
VV	98.486(b)	If volumetric units are converted to mass in order to be reported for annual quantity of CO ₂ stored, the density of CO ₂ .	New	Not Eligible
VV	98.486(c)	The annual quantity of CO ₂ input.	New	Not Eligible
VV	98.486(c)(1)	The annual total mass of CO ₂ received at the custody transfer meter by the CO ₂ -EOR project, including CO ₂ transferred from another CO ₂ -EOR project.	New	Not Eligible
VV	98.486(c)(2)	The annual mass of native CO ₂ produced and captured in the CO ₂ -EOR project.	New	Not Eligible
VV	98.486(d)	The annual mass of CO ₂ that is recycled and reinjected into the EOR complex.	New	Not Eligible
VV	98.486(e)	The annual total mass of CO ₂ loss from project operations.	New	Not Eligible
VV	98.486(e)(3)	The loss of CO ₂ due to entrainment within produced gas/oil/water when this CO ₂ is not separated and reinjected.	New	Not Eligible
VV	98.486(e)(4)	The loss of CO ₂ due to any transfer of CO ₂ outside the CO ₂ -EOR project.	New	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
VV	98.486(f)	The total mass of CO ₂ loss from the EOR complex.	New	Not Eligible
VV	98.486(g)(1)	Annual documentation containing the formulas used to quantify the annual mass of associated storage, including the mass of CO ₂ delivered to the CO ₂ -EOR project and losses during the period covered by the documentation.	New	Not Eligible
VV	98.486(g)(2)	Annual documentation containing the methods used to estimate missing data and the amounts estimated.	New	Not Eligible
VV	98.486(g)(3)	Annual documentation containing the approach and method for quantification utilized by the operator, including accuracy, precision, and uncertainties.	New	Not Eligible
VV	98.486(g)(4)	Annual documentation containing a statement describing the nature of validation or verification, the date of review, process, findings, and responsible person or entity.	New	Not Eligible
VV	98.486(g)(5)	Annual documentation containing the source of each CO ₂ stream quantified as associated storage.	New	Not Eligible
VV	98.486(g)(6)	Annual documentation containing a description of the procedures used to detect and characterize the total CO ₂ leakage from the EOR complex.	New	Not Eligible
VV	98.486(g)(7)	Annual documentation containing a description of the derivation and application of anthropogenic CO ₂ allocation ratios if only the mass of anthropogenic CO ₂ is considered for m_{stored} .	New	Not Eligible
VV	98.486(g)(8)	Annual documentation provided by a qualified independent engineer or geologist who certifies that the documentation provided, including the mass balance calculations as well as information regarding monitoring and containment assurance, is accurate and complete.	New	Not Eligible
VV	98.486(h)	Any changes made to containment assurance and monitoring approaches and procedures in the EOR Operations Management Plan (OMP) within the reporting year.	New	Not Eligible
VV	98.488(a) (proposed 98.488)	Submission of a general EOR Operations Management Plan that provides a geologic characterization of the EOR complex and engineered system, establishes that the EOR complex is adequate to provide safe, long-term containment of CO ₂ , and includes site-specific and other information.	New	Not Eligible
VV	98.488(b) (proposed 98.488)	Submission of initial documentation at the beginning of the period in which CO ₂ sequestered will be quantified and reported.	New	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
WW	98.496(b)	For each coke calcining unit, the maximum rated throughput of the unit (metric tons coke calcined/stream day).	Revised	No Determination
WW	98.496(e)	For each coke calcining unit, the annual mass of green coke fed to the unit (metric tons/year).	New	Eligible for Confidential Treatment
WW	98.496(f)	For each coke calcining unit, the annual mass of marketable petroleum coke produced by the unit (metric tons/year).	New	Eligible for Confidential Treatment
WW	98.496(g)	For each coke calcining unit, the annual mass of petroleum coke dust removed from the process through the dust collection system of the unit (metric tons/year).	New	Eligible for Confidential Treatment
WW	98.496(g)	For each coke calcining unit, an indication of whether coke dust is recycled to the unit (e.g., all dust is recycled, a portion of the dust is recycled, or none of the dust is recycled).	Revised	Not Eligible
WW	98.496(h)	For each coke calcining unit, the annual average mass fraction carbon content of green coke fed to the unit (metric tons C per metric ton green coke).	New	Eligible for Confidential Treatment
WW	98.496(i)	For each coke calcining unit, the annual average mass fraction carbon content of marketable petroleum coke produced by the unit (metric tons C per metric ton petroleum coke).	New	Eligible for Confidential Treatment
XX	98.506(a)	For the calcium carbide production facility, the annual calcium carbide production capacity (tons).	New	No Determination
XX	98.506(b)	For the calcium carbide production facility, the annual production of calcium carbide (tons).	New	Eligible for Confidential Treatment
XX	98.506(c)	For the calcium carbide production facility, the total number of calcium carbide production process units.	New	Not Eligible
XX	98.506(d)	For the calcium carbide production facility, the annual facility consumption of petroleum coke (tons).	New	Eligible for Confidential Treatment
XX	98.506(e)	For the calcium carbide production facility, each end use of any calcium carbide produced and sent off site.	New	Eligible for Confidential Treatment
XX	98.506(f)(1)	For the calcium carbide production facility that produces acetylene on site, the annual facility production of acetylene (tons).	New	Eligible for Confidential Treatment
XX	98.506(f)(2)	For the calcium carbide production facility that produces acetylene on site, the annual facility quantity of calcium carbide (tons) used to produce acetylene.	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
XX	98.506(f)(3)	For the calcium carbide production facility that produces acetylene on site, each end use of any acetylene produced on-site.	New	Eligible for Confidential Treatment
XX	98.506(g)	For the calcium carbide production facility, the relevant information required by 40 CFR 98.36 for the Tier 4 calculation methodology (CEMS).	New	This data element is not assigned a confidentiality determination because the data element refers to an existing reporting requirement specified in a different subpart; this existing reporting requirement was previously assigned a confidentiality determination under that subpart in a previous rulemaking.
YY	98.516(c)(1)	Annual caprolactam production quantity from all caprolactam process lines at the facility (metric tons).	New	Eligible for Confidential Treatment
YY	98.516(c)(2)	Annual glyoxal production quantity from all glyoxal process lines at the facility (metric tons).	New	Eligible for Confidential Treatment
YY	98.516(c)(3)	Annual glyoxylic acid production quantity from all glyoxylic acid process lines at the facility (metric tons).	New	Eligible for Confidential Treatment
YY	98.516(d)(1)	Annual caprolactam production capacity from all caprolactam process lines at the facility (metric tons).	New	No Determination
YY	98.516(d)(2)	Annual glyoxal production capacity from all glyoxal process lines at the facility (metric tons).	New	No Determination
YY	98.516(d)(3)	Annual glyoxylic acid production capacity from all glyoxylic acid process lines at the facility (metric tons).	New	No Determination
YY	98.516(e)(1)	Total number of caprolactam production process lines at the facility.	New	Not Eligible
YY	98.516(e)(2)	Total number of glyoxal production process lines at the facility.	New	Not Eligible
YY	98.516(e)(3)	Total number of glyoxylic acid production process lines at the facility.	New	Not Eligible
YY	98.516(f)	For each caprolactam production process line at the facility, the number of operating hours in the calendar year (hours).	New	Eligible for Confidential Treatment
YY	98.516(f)	For each glyoxal production process line at the facility, the number of operating hours in the calendar year (hours).	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
YY	98.516(f)	For each glyoxylic acid production process line at the facility, the number of operating hours in the calendar year (hours).	New	Eligible for Confidential Treatment
YY	98.516(g)	For the caprolactam production facility, the N ₂ O abatement technologies used for caprolactam production, if applicable.	New	Not Eligible
YY	98.516(g)	For the glyoxal production facility, the N ₂ O abatement technologies used for glyoxal production, if applicable.	New	Not Eligible
YY	98.516(g)	For the glyoxylic acid production facility, the N ₂ O abatement technologies used for glyoxylic acid production, if applicable.	New	Not Eligible
YY	98.516(g)	For the caprolactam production facility, the date of installation of N ₂ O abatement technologies for caprolactam production, if applicable.	New	Not Eligible
YY	98.516(g)	For the glyoxal production facility, the date of installation of N ₂ O abatement technologies for glyoxal production, if applicable.	New	Not Eligible
YY	98.516(g)	For the glyoxylic acid production facility, the date of installation of N ₂ O abatement technologies for glyoxylic acid production, if applicable.	New	Not Eligible
YY	98.516(j)(1) (proposed 98.516(j))	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for all caprolactam production process lines.	New	Not Eligible
YY	98.516(j)(2) (proposed 98.516(j))	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for all glyoxal production process lines.	New	Not Eligible
YY	98.516(j)(3) (proposed 98.516(j))	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for all glyoxylic acid production process lines.	New	Not Eligible
ZZ	98.526(a)	For a facility containing a ceramics manufacturing process, the total number of ceramics manufacturing process units that operated during the reporting year.	New	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
ZZ	98.526(b)	For a facility containing a ceramics manufacturing process, the relevant information required under 40 CFR 98.36 for the Tier 4 calculation methodology (CEMS).	New	This data element is not assigned a confidentiality determination because the data element refers to an existing reporting requirement specified in a different subpart; this existing reporting requirement was previously assigned a confidentiality determination under that subpart in a previous rulemaking.
ZZ	98.526(b)(1) ²	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, the annual quantity of each carbonate-based raw material (including clay) charged to the unit (tons) (CEMS).	New	Eligible for Confidential Treatment
ZZ	98.526(b)(1) ²	For a facility containing a ceramics manufacturing process, for all ceramics manufacturing process units combined, the annual quantity of each carbonate-based raw material (including clay) charged (tons) (CEMS).	New	Eligible for Confidential Treatment
ZZ	98.526(b)(2)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, the annual quantity of each type of ceramics product manufactured (tons) (CEMS).	New	Eligible for Confidential Treatment
ZZ	98.526(b)(2)	For a facility containing a ceramics manufacturing process, for all ceramics manufacturing process units combined, the annual quantity of each type of ceramics product manufactured (tons) (CEMS).	New	Eligible for Confidential Treatment
ZZ	98.526(b)(3)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, the annual production capacity (tons) (CEMS).	New	No Determination
ZZ	98.526(c)(2) ²	For a facility containing a ceramics manufacturing process, for all ceramics manufacturing process units combined, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual quantity of each carbonate-based raw material (including clay) charged (tons) (no CEMS).	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
ZZ	98.526(c)(3)(i)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the date of each test used to verify each carbonate-based mineral mass fraction for each carbonate-based raw material charged to the unit (no CEMS).	New	Not Eligible
ZZ	98.526(c)(3)(ii)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the method(s) and any variations used in the analyses for each test used to verify each carbonate-based mineral mass fraction for each carbonate-based raw material charged to the unit (no CEMS).	New	Not Eligible
ZZ	98.526(c)(3)(iii)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the mass fraction of each sample analyzed for each test used to verify each carbonate-based mineral mass fraction for each carbonate-based raw material charged to the unit (no CEMS).	New	Eligible for Confidential Treatment
ZZ	98.526(c)(4)	For a facility containing a ceramics manufacturing process, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the method used to determine the decimal mass fraction of carbonate-based mineral, unless the reporter used the default value of 1.0 (no CEMS).	New	Not Eligible
ZZ	98.526(c)(5)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual quantity of each type of ceramics product manufactured (tons) (no CEMS).	New	Eligible for Confidential Treatment
ZZ	98.526(c)(5)	For a facility containing a ceramics manufacturing process, for all ceramics manufacturing process units combined, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual quantity of each type of ceramics product manufactured (tons) (no CEMS).	New	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised	Confidentiality Determination
ZZ	98.526(c)(6)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual production capacity (tons) (no CEMS).	New	No Determination

Table 3. FINAL CONFIDENTIALITY DETERMINATIONS OR EMISSION DATA DESIGNATIONS FOR EXISTING DATA ELEMENTS WHERE EPA HAD NOT PREVIOUSLY MADE A DETERMINATION

Subpart	Citation in 40 CFR Part 98	Data Element Description	Emission Data Designation or Confidentiality Determination
A	98.3(c)(4)(iii)(F)	For electronics manufacturing (as defined in 40 CFR 98.90), if a fluorinated heat transfer fluid does not have a chemical-specific GWP in Table A-1 of 40 CFR part 98 subpart A, identify and report the fluorinated GHG group of which that fluorinated heat transfer fluid is a member.	“Emissions” Direct Emitter Data Category
A	98.3(c)(5)(i)	Total quantity of GHG aggregated for all GHG from all applicable supply categories in Table A-5 (subparts LL through QQ) of 40 CFR part 98 subpart A (metric tons CO ₂ e).	Eligible for Confidential Treatment if the reporter produces, imports, exports, or otherwise supplies just one product and EPA determined the amount of the one product supplied is eligible for confidential treatment; otherwise Not Eligible.
A	98.4(i)(1)	Identification of the facility for which the certificate of representation is submitted.	“Facility and Unit Identifier Information” Direct Emitter Data Category
I	98.96(m)(1)	For electronics manufacturing facilities, for the fab-specific apportioning model used to apportion fluorinated GHG and N ₂ O consumption under 40 CFR 98.94(c) to determine it is verified in accordance with procedures in 40 CFR 98.94(c)(1) and (2): an indication if direct measurements were used in addition to, or instead of, a quantifiable metric.	“Calculation Methodology and Methodological Tier” Direct Emitter Data Category

Subpart	Citation in 40 CFR Part 98	Data Element Description	Emission Data Designation or Confidentiality Determination
I	98.96(m)(1)	For electronics manufacturing facilities, for the fab-specific apportioning model used to apportion fluorinated GHG and N ₂ O consumption under 40 CFR 98.94(c) to determine it is verified in accordance with procedures in 40 CFR 98.94(c)(1) and (2): an identification of the quantifiable metric used in your fab-specific engineering model to apportion gas consumption for each fab.	Eligible for Confidential Treatment
K	98.116(b)	Annual production for each ferroalloy product identified in 40 CFR 98.110 from each EAF (CEMS).	Eligible for Confidential Treatment
HH	98.346(a)	A classification of the landfill as “open” or “closed.”	Not Eligible

Table 4. FINAL CONFIDENTIALITY DETERMINATIONS FOR EXISTING DATA ELEMENTS WHERE EPA HAS AMENDED OR CLARIFIED THE EXISTING DETERMINATION

Subpart	Citation in 40 CFR Part 98	Data Element Description	Confidentiality Determination
A	98.3(c)(5)(ii)	Quantity of each GHG reported by importers under 40 CFR part 98, subpart LL (metric tons of each GHG).	No Determination
A	98.3(c)(5)(ii)	Quantity of each GHG reported by exporters and producers under 40 CFR part 98, subpart LL (metric tons of each GHG).	Not Eligible unless exporter or facility supplies only one product.
A	98.3(c)(5)(ii)	Quantity of each GHG reported by importers under 40 CFR part 98, subpart MM (metric tons of each GHG).	No Determination
A	98.3(c)(5)(ii)	Quantity of each GHG reported by exporters and petroleum refineries under 40 CFR part 98 subpart MM (metric tons of each GHG).	Not Eligible unless exporter or facility supplies only one product.
A	98.3(c)(5)(ii)	Quantity of each GHG reported by fractionators under 40 CFR part 98, subpart NN (metric tons of each GHG).	Not Eligible unless facility supplies only one product.
A	98.3(c)(5)(ii)	Quantity of each GHG reported by importers, exporters, and producers under 40 CFR part 98, subpart OO (metric tons of each GHG).	Eligible for Confidential Treatment
A	98.3(c)(5)(ii)	Quantity of each GHG reported by production wells under 40 CFR part 98, subpart PP (metric tons of each GHG).	Not Eligible
A	98.3(c)(5)(ii)	Quantity of each GHG reported by industrial production facilities under 40 CFR part 98, subpart PP (metric tons of each GHG).	Eligible for Confidential Treatment

Subpart	Citation in 40 CFR Part 98	Data Element Description	Confidentiality Determination
A	98.3(c)(5)(ii)	Quantity of each GHG reported by importers and exporters of CO ₂ under 40 CFR part 98, subpart PP (metric tons of each GHG).	Eligible for Confidential Treatment
A	98.3(c)(5)(ii)(A)	For each reported fluorinated GHG by supplier categories listed in Table A-5, the chemical name or method of naming organic chemical compounds, as applicable.	Not Eligible
A	98.3(c)(5)(ii)(B)	For each reported fluorinated GHG by supplier categories listed in Table A-5, the CAS registry number assigned by the Chemical Abstracts Registry Service or identification number assigned by the EPA's Substance Registry Services, as applicable.	Not Eligible
A	98.3(c)(5)(ii)(C)	For each reported fluorinated GHG by supplier categories listed in Table A-5, the linear chemical formula.	Not Eligible
LL	98.386(a)(19)	Producers: the annual CO ₂ emissions that would result from the complete combustion or oxidation of all products, calculated according to 40 CFR 98.393(d).	Not Eligible unless facility supplies only one product.
LL	98.386(c)(8)	Exporters: the total sum of CO ₂ emissions that would result from the complete combustion oxidation of all exported products, calculated according to 40 CFR 98.393(e).	Not Eligible unless exporter supplies only one product.
MM	98.396(a)(19)	Petroleum refineries: the sum of CO ₂ emissions that would result from the complete combustion or oxidation of all products, calculated according to 40 CFR 98.393(d).	Not Eligible unless facility supplies only one product.
MM	98.396(c)(8)	Exporters: the sum of CO ₂ emissions that would result from the complete combustion or oxidation of all exported products, calculated according to 40 CFR 98.393(e).	Not Eligible unless exporter supplies only one product.
NN	98.406(a)(7)	NGL fractionator: the annual CO ₂ mass emissions (metric tons) that would result from the complete combustion or oxidation of fractionated NGLs supplied, less the quantity received from other fractionators, calculated in accordance with 40 CFR 98.403(c)(2).	Not Eligible unless facility supplies only one product.
RR	98.446(a)(1)	If you receive CO ₂ by pipeline, for each receiving flow meter, the total net mass of CO ₂ received (metric tons) annually.	Not Eligible
RR	98.446(a)(2)(i)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a volumetric flow meter is used to receive CO ₂ , report the following unless you reported yes to 40 CFR 98.446(a)(4): the volumetric flow through a receiving flow meter at standard conditions (standard cubic meters) in each quarter.	Not Eligible
RR	98.446(a)(2)(ii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a volumetric flow meter is used to receive CO ₂ , 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 (standard cubic meters) in each quarter.	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	Confidentiality Determination
RR	98.446(a)(2)(iii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a volumetric flow meter is used to receive CO ₂ , report the following unless you reported yes to 40 CFR 98.446(a)(4): the CO ₂ concentration in the flow (volume percent CO ₂ expressed as a decimal fraction) in each quarter.	Not Eligible
RR	98.446(a)(3)(i)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a mass flow meter is used to receive CO ₂ , report the following unless you reported yes to 40 CFR 98.446(a)(4): the mass flow through a receiving flow meter (metric tons) in each quarter.	Not Eligible
RR	98.446(a)(3)(ii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a mass flow meter is used to receive CO ₂ , 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 (metric tons) in each quarter.	Not Eligible
RR	98.446(a)(3)(iii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a mass flow meter is used to receive CO ₂ , report the following unless you reported yes to 40 CFR 98.446(a)(4): the CO ₂ concentration in the flow (weight percent CO ₂ expressed as a decimal fraction) in each quarter.	Not Eligible
RR	98.446(b)(1)	If you receive CO ₂ in containers, the mass (metric tons) or volume at standard conditions (standard cubic meters) of contents in containers in each quarter.	Not Eligible
RR	98.446(b)(2)	If you receive CO ₂ in containers, the concentration of CO ₂ of contents in containers (volume or wt. percent CO ₂ expressed as a decimal fraction) in each quarter.	Not Eligible
RR	98.446(b)(3)	If you receive CO ₂ in containers, 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.	Not Eligible
RR	98.446(b)(4)	If you receive CO ₂ in containers, the net mass of CO ₂ received (metric tons) annually.	Not Eligible
RR	98.446(c)	If you use more than one receiving flow meter, the total net mass of CO ₂ received (metric tons) through all flow meters annually.	Not Eligible
RR	98.446(f)(4)(i)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e) for each separator flow meter (mass or volumetric): the CO ₂ mass produced (metric tons) annually.	Not Eligible
RR	98.446(f)(4)(ii)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e) for each separator flow meter (mass or volumetric): the CO ₂ concentration in flow (volume or wt. percent CO ₂ expressed as a decimal fraction) in each quarter.	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	Confidentiality Determination
RR	98.446(f)(4)(iii)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e) for each volumetric separator flow meter: the volumetric flow rate at standard conditions (standard cubic meters) in each quarter.	Not Eligible
RR	98.446(f)(4)(iv)	If the date specified in 40 CFR 98.446(e) is during the reporting year for this annual report, report the following starting on the date specified in 40 CFR 98.446(e) for each mass separator flow meter: the mass flow rate (metric tons) in each quarter.	Not Eligible
UU	98.476(a)(1)	If you receive CO ₂ by pipeline, for each receiving flow meter, the total net mass of CO ₂ received (metric tons) annually (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(a)(2)(i)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a volumetric flow meter is used to receive CO ₂ : the volumetric flow through a receiving flow meter at standard conditions (standard cubic meters) in each quarter (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(a)(2)(ii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a volumetric flow meter is used to receive CO ₂ : 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 (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(a)(2)(iii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a volumetric flow meter is used to receive CO ₂ : the CO ₂ concentration in the flow (volume percent CO ₂ expressed as a decimal fraction) in each quarter (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(a)(3)(i)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a mass flow meter is used to receive CO ₂ : the mass flow through a receiving flow meter (metric tons) in each quarter (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(a)(3)(ii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a mass flow meter is used to receive CO ₂ : the mass flow through a receiving flow meter that is redelivered to another facility without being injected into your well (metric tons) in each quarter (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(a)(3)(iii)	If you receive CO ₂ by pipeline, for each receiving flow meter, if a mass flow meter is used to receive CO ₂ : the CO ₂ concentration in the flow (weight percent CO ₂ expressed as a decimal fraction) in each quarter (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible

Subpart	Citation in 40 CFR Part 98	Data Element Description	Confidentiality Determination
UU	98.476(b)(1)	If you receive CO ₂ in containers, the mass (metric tons) or volume at standard conditions (standard cubic meters) of contents in containers in each quarter (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(b)(2)	If you receive CO ₂ in containers, the concentration of CO ₂ of contents in containers (volume or weight percent CO ₂ expressed as a decimal fraction) in each quarter (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(b)(3)	If you receive CO ₂ in containers, 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 (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(b)(4)	If you receive CO ₂ in containers, the net total mass of CO ₂ received (metric tons) annually in containers (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible
UU	98.476(c)	If you use more than one receiving flow meter, the net total mass of CO ₂ received (metric tons) through all flow meters annually (for facilities without an EPA-approved 40 CFR part 98 subpart RR R&D project exemption).	Not Eligible

Table 5. PROPOSED REPORTING REQUIREMENTS WHERE EPA IS NOT TAKING FINAL ACTION AT THIS TIME

Subpart	Proposed Citation in 40 CFR Part 98	Data Element Description
A	98.3(c)(4)(iv)	Annual quantity of electricity purchased (kWh) for all applicable source categories under 40 CFR part 98 at the facility, per the requirements of subpart B of 40 CFR part 98.
A	98.3(c)(4)(iv)	Annual quantity of thermal energy purchased (mmBtu) for all applicable source categories under 40 CFR part 98 at the facility, per the requirements of subpart B of 40 CFR part 98.
C	98.36(b)(12)	When reporting using Tier 1, Tier 2, Tier 3, or Tier 4 methodology in 40 CFR 98.33(a) to calculate CO ₂ emissions, excluding aggregation of units, monitored common stack or duct configurations, and common pipe configurations, an indication of whether the stationary fuel combustion unit is an electricity generating unit.
C	98.36(c)(1)(ii)	When reporting using aggregation of units, for each stationary fuel combustion unit in the group greater than or equal to 10 mmBtu/hr, the unit type.

Subpart	Proposed Citation in 40 CFR Part 98	Data Element Description
C	98.36(c)(1)(ii)	When reporting using aggregation of units, for each stationary fuel combustion unit in the group greater than or equal to 10 mmBtu/hr, the maximum rated heat input capacity.
C	98.36(c)(1)(ii)	When reporting using aggregation of units, for each stationary fuel combustion unit in the group greater than or equal to 10 mmBtu/hr, an estimate of the total annual heat input (decimal fraction).
C	98.36(c)(1)(xii)	When reporting using aggregation of units, an indication of whether any stationary fuel combustion unit in the group is an electricity generating unit.
C	98.36(c)(1)(xii)	When reporting using aggregation of units, if any stationary fuel combustion unit in the group is an electricity generating unit, an estimate of the group's total reported emissions attributable to electricity generation (decimal fraction).
C	98.36(c)(2)(xii)	When reporting using monitored common stack or duct configuration, an indication of whether any stationary fuel combustion unit in the group is an electricity generating unit.
C	98.36(c)(2)(xii)	When reporting using monitored common stack or duct configuration, if any stationary fuel combustion unit in the group is an electricity generating unit, an estimate of the group's total reported emissions attributable to electricity generation (decimal fraction).
C	98.36(c)(3)(xi)	When reporting using the common pipe configuration, for each unit in the group greater than or equal to 10 mmBtu/hr, the maximum rated heat input capacity.
C	98.36(c)(3)(xi)	When reporting using the common pipe configuration, for each unit in the group greater than or equal to 10 mmBtu/hr, an estimate of the total annual heat input (decimal fraction).
C	98.36(c)(3)(xi)	When reporting using the common pipe configuration, for each unit in the group greater than or equal to 10 mmBtu/hr, the unit type.
C	98.36(c)(3)(xii)	When reporting using the common pipe configuration, an indication of whether any stationary fuel combustion unit in the group is an electricity generating unit.
C	98.36(c)(3)(xii)	When reporting using the common pipe configuration, if any stationary fuel combustion unit in the group is an electricity generating unit, an estimate of the group's total reported emissions attributable to electricity generation (decimal fraction).
F	98.66(a)	Annual aluminum production capacity of the facility (tons).
F	98.66(g)	Annual operating days for each potline.
G	98.76(b)(1)	For each ammonia manufacturing unit, the annual CO ₂ process emissions (metric tons) (no CEMS).
H	98.86(a)(8)	Annual arithmetic average of total CaO content of CKD not recycled to the kiln(s) at the facility (weight fraction) (CEMS).
H	98.86(a)(9)	Annual arithmetic average of non-calcined CaO content of CKD not recycled to the kiln(s) at the facility (weight fraction) (CEMS).
H	98.86(a)(10)	Annual arithmetic average of total MgO content of CKD not recycled to the kiln(s) at the facility (weight fraction) (CEMS).
H	98.86(a)(11)	Annual arithmetic average of non-calcined MgO content not recycled to the kiln(s) at the facility (weight fraction) (CEMS).

Subpart	Proposed Citation in 40 CFR Part 98	Data Element Description
H	98.86(a)(13)	The amount of raw kiln feed consumed annually at the facility (tons, dry basis) (CEMS).
P	98.166(b)(2)	For each hydrogen production unit, the calculation methodology for calculating annual CO ₂ emissions (CEMS for a single hydrogen production unit; CEMS on a common stack for multiple hydrogen production units; CEMS on a common stack with hydrogen production unit(s) and other sources; CEMS measuring only process emissions with fuel combustion emissions calculated using a material balance; and material balance for both the hydrogen production unit and combustion emissions).
S	98.196(b)(1)	For all lime kilns combined, the annual CO ₂ process emissions (metric tons) (no CEMS).
HH	98.346(j)(7)(iv)	For landfills with gas collection systems, an indication of whether surface methane concentration measurements were made at the landfill during the reporting year.
HH	98.346(j)(7)(iv)	For landfills with gas collection systems for which surface methane concentration measurements were indicated as having been made during the reporting year, the frequency of routine surface methane concentration measurements (annual, semiannual, quarterly, bimonthly, monthly, or varied during the reporting year).
HH	98.346(j)(7)(v)(A)	For landfills with gas collection systems, for each surface methane concentration measurement that exceeded 500 parts per million above background during the reporting year, a unique name or ID number.
HH	98.346(j)(7)(v)(B)	For landfills with gas collection systems, for each surface methane concentration measurement that exceeded 500 parts per million above background during the reporting year, the date of the measurement.
OO	98.416(c)(11)	At the corporate level, for each bulk importer of fluorinated GHGs, fluorinated HTFs, or nitrous oxide (that are not regulated substances under 40 CFR part 84 (Phasedown of Hydrofluorocarbons)), except importers may exclude shipments less than 25 kilograms of fluorinated GHGs, fluorinated HTFs, or nitrous oxide, transshipments (if the importer also excludes transshipments from reporting of exports under 40 CFR 98.416(d)), and heels that meet the conditions set forth at 40 CFR 98.417(e) (if the importer also excludes heels from any reporting of exports under 40 CFR 98.416 (d)): for each reported import, a copy of the corresponding U.S. Customs entry form.
QQ	98.436(a)(8)	For imports at the corporate level, except for transshipments, for each importer of fluorinated GHGs contained in pre-charged equipment or closed-cell foams, a copy of the corresponding U.S. Customs entry form for each reported import in the year.

Table 6. DATA ELEMENTS IN THE 2024 FINAL REVISIONS TO THE GREENHOUSE GAS REPORTING RULE WHERE EPA IS NOT MAKING CONFIDENTIALITY DETERMINATIONS OR EMISSION DATA DESIGNATIONS AT THIS TIME

Subpart	Citation in 40 CFR Part 98	Data Element Description	New or Revised
I	98.96(y)(2)(iv)	For electronics manufacturing facilities, for the technology assessment report required under 40 CFR 98.96(y), for any destruction or removal efficiency data submitted, if you choose to use an additional alternative calculation methodology to calculate and report the input gas emission factors and by-product formation rates: a complete, mathematical description of the alternative method used (including the equation used to calculate each reported utilization and by-product formation rate).	New
P	98.166(d)(10)	For each hydrogen production process unit, an indication (yes or no) if BAMM was used in accordance with 40 CFR 98.164(c) to determine fuel flow for each stationary combustion unit directly associated with hydrogen production (e.g., reforming furnace and hydrogen production process unit heater).	New
P	98.166(d)(10)(i)	For each hydrogen production process unit, if BAMM was used in accordance with 40 CFR 98.164(c) to determine fuel flow for each stationary combustion unit directly associated with hydrogen production, the beginning date of using BAMM.	New
P	98.166(d)(10)(ii)	For each hydrogen production process unit, if BAMM was used in accordance with 40 CFR 98.164(c) to determine fuel flow for each stationary combustion unit directly associated with hydrogen production, the anticipated or actual end date of using BAMM.	New
ZZ	98.526(c)(2)	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual quantity of each carbonate-based raw material (including clay) charged (tons) (no CEMS).	New

Table 7. DATA ELEMENTS THAT ARE MINIMALLY REVISED IN THE 2024 FINAL REVISIONS TO THE GREENHOUSE GAS REPORTING RULE AS COMPARED TO THE PROPOSED RULES

Subpart	Citation in 40 CFR Part 98	Proposed Data Element Description	Final Data Element Description
I	98.96(o)	For all hydrocarbon-fuel-based emissions control systems that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type, certification that the rate of conversion from F ₂ to CF ₄ is <0.1% and that the systems are installed, operated, and maintained in accordance with the directions of the emissions control system manufacturer, unless the emissions control system is included in the count of systems not certified to not form CF ₄ in Equation I-9.	For electronics manufacturing facilities, for all HC fuel CECS purchased and installed on or after January 1, 2025 , that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type and for which you are not calculating emissions under Equation I-9: certification that the rate of conversion from F ₂ to CF ₄ is <0.1% and that the systems are installed, operated, and maintained in accordance with the directions of the HC fuel CECS manufacturer .
I	98.96(o)	For all hydrocarbon-fuel-based emissions control systems that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type, if you make the certification in 98.96(o) based on your own testing, you must certify that you tested the model of the system according to the requirements specified in 98.94(e).	For electronics manufacturing facilities, for all HC fuel CECS purchased and installed on or after January 1, 2025 , that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type and for which you are not calculating emissions under Equation I-9: if you make the certification in 40 CFR 98.96(o) based on your own testing, you must certify that you tested the model of the system according to the requirements specified in 40 CFR 98.94(e).
I	98.96(o)	For all hydrocarbon-fuel-based emissions control systems that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type, if you make the certification in 98.96(o) based on testing by the emissions control system manufacturer, you must provide documentation from the emissions control system manufacturer that the rate of conversion from F ₂ to CF ₄ is <0.1% when tested according to the requirements specified in 98.94(e).	For electronics manufacturing facilities, for all HC fuel CECS purchased and installed on or after January 1, 2025 , that are used to control emissions from tools that use either NF ₃ as an input gas in remote plasma clean processes or F ₂ as an input gas in any process type or sub-type and for which you are not calculating emissions under Equation I-9: if you make the certification in 40 CFR 98.96(o) based on testing by the HC fuel CECS manufacturer, you must provide documentation from the HC fuel CECS manufacturer that the rate of conversion from F ₂ to CF ₄ is <0.1% when tested according to the requirements specified in 40 CFR 98.94(e).

Subpart	Citation in 40 CFR Part 98	Proposed Data Element Description	Final Data Element Description
I	98.96(y)(2)(iv)	For the technology assessment report required under §98.96(y): for any destruction or removal efficiency data submitted, the report must include: whether the abatement system is specifically designed to abate the gas measured under the operating condition used for the measurement.	For electronics manufacturing facilities, the technology assessment report required under 40 CFR 98.96(y), for any destruction or removal efficiency data submitted, the report must include: whether the abatement system is specifically designed to abate the gas measured under the operating conditions used for the measurement.
N	98.146(a)(3)	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to each glass melting furnace (CEMS).	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to each continuous glass melting furnace (CEMS).
N	98.146(a)(3)	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to all glass melting furnaces combined (CEMS).	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to all continuous glass melting furnaces combined (CEMS).
N	98.146(b)(4)	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to each glass melting furnace (no CEMS).	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to each continuous glass melting furnace (no CEMS).
N	98.146(b)(4)	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to all glass melting furnaces combined (no CEMS).	Annual quantity (tons), by glass type, of recycled scrap glass (cullet) charged to all continuous glass melting furnaces combined (no CEMS).
P	98.166(b) (proposed 98.166(a))	If a CEMS is used to measure CO ₂ emissions for a hydrogen production unit, for each CEMS monitoring location, the relevant information required under 40 CFR 98.36 for the Tier 4 Calculation Methodology (CEMS).	For each hydrogen production process unit , if a CEMS is used to measure CO ₂ emissions, the relevant information required under 40 CFR 98.36 for the Tier 4 Calculation Methodology.
P	98.166(b) (proposed 98.166(b)(2)(i))	For each hydrogen production unit, if a CEMS is used, either on a common stack for multiple hydrogen production units or on a common stack for both hydrogen production unit(s) and other sources, the estimated decimal fraction of the total annual CO ₂ emissions from the CEMS monitoring location attributable to the hydrogen production unit.	For each hydrogen production unit, if a CEMS is used to measure CO₂ emissions from either a common stack for multiple hydrogen production units or a common stack for hydrogen production unit(s) and other sources, the estimated decimal fraction of the total annual CO ₂ emissions attributable to the hydrogen production unit.
P	98.166(c) (proposed 98.166(b)(5))	For each hydrogen production unit for which a material balance calculation method is used, name and annual quantity (metric tons) of each carbon-containing fuel and feedstock (no CEMS).	For each hydrogen production unit for which a material balance is used to calculate emissions using Equations P-1 through P-3 of 40 CFR part 98, subpart P, as applicable , the name and annual quantity (metric tons) of each carbon-containing fuel and feedstock.

Subpart	Citation in 40 CFR Part 98	Proposed Data Element Description	Final Data Element Description
P	98.166(c) (proposed 98.166(b)(2) and (b)(2)(ii))	For each hydrogen production unit, annual CO ₂ emissions (metric tons). For a hydrogen production unit, if the method selected is CEMS measuring hydrogen production process emissions alone plus mass balance for calculating hydrogen production unit fuel combustion emissions (using Equations P-1 through P-3), annual CO ₂ emissions (metric tons) calculated for the hydrogen production unit's fuel combustion.	For each hydrogen production unit, if a material balance is used to calculate emissions using Equations P-1 through P-3 of 40 CFR part 98 subpart P, as applicable , the total annual CO ₂ emissions (metric tons).
P	98.166(d)(1) (proposed 98.166(b)(1)(i))	For each hydrogen production unit, the type of unit (steam methane reformer (SMR) only, SMR followed by water gas shift reaction (WGS), partial oxidation (POX) only, POX followed by WGS, water electrolysis, brine electrolysis, or other).	For each hydrogen production unit, the type of unit (steam methane reformer (SMR) only, SMR followed by water gas shift reaction (WGS), partial oxidation (POX) only, POX followed by WGS, autothermal reforming only, autothermal reforming followed by WGS , water electrolysis, brine electrolysis, or other).
P	98.166(d)(3) (proposed 98.166(b)(3)(i))	The following quantity of hydrogen exiting each hydrogen production unit: annual quantity of hydrogen produced by reforming, gasification, oxidation, reaction, or other transformation of feedstocks (metric tons).	For each hydrogen production unit , the annual quantity of hydrogen produced by reforming, gasification, oxidation, reaction, or other transformation of feedstocks (metric tons).
P	98.166(d)(4) (proposed 98.166(b)(3)(ii))	The following quantity of hydrogen exiting each hydrogen production unit: annual quantity of hydrogen that is purified only (metric tons).	For each hydrogen production unit , the annual quantity of hydrogen that is purified only (metric tons).
P	98.166(d)(7) (proposed 98.166(b)(7))	For each hydrogen production unit, annual quantity of carbon other than CO ₂ or methanol collected and transferred off site in either gas, liquid, or solid forms (metric tons carbon).	For each hydrogen production unit, the annual quantity of carbon (metric tons) other than CO ₂ or methanol collected and transferred off site or transferred to a separate process unit within the facility for which GHG emissions associated with this carbon are being reported under other provisions of 40 CFR part 98 , in either gas, liquid, or solid forms.
DD	98.306(a)(1)	Nameplate capacity of equipment (pounds) containing each insulating gas: existing at the beginning of the year (excluding hermetically sealed-pressure switchgear)	Nameplate capacity of equipment (pounds) containing each reportable insulating gas: existing at the beginning of the year (excluding hermetically sealed-pressure switchgear).

Subpart	Citation in 40 CFR Part 98	Proposed Data Element Description	Final Data Element Description
DD	98.306(q)(1) (proposed 98.306(n)(1))	The number of insulating gas-containing pieces of equipment in each of the following equipment category: new hermetically sealed-pressure switchgear during the year.	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: new hermetically sealed-pressure switchgear during the year.
DD	98.306(q)(2) (proposed 98.306(n)(2))	The number of insulating gas-containing pieces of equipment in each of the following equipment category: new equipment other than hermetically sealed-pressure switchgear during the year.	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: new equipment other than hermetically sealed-pressure switchgear during the year.
DD	98.306(q)(3) (proposed 98.306(n)(3))	The number of insulating gas-containing pieces of equipment in each of the following equipment category: retired hermetically sealed-pressure switchgear during the year.	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: retired hermetically sealed-pressure switchgear during the year.
DD	98.306(q)(4) (proposed 98.306(n)(4))	The number of insulating gas-containing pieces of equipment in each of the following equipment category: retired equipment other than hermetically sealed-pressure switchgear during the year.	The number of reportable insulating gas-containing pieces of equipment in the following equipment category: retired equipment other than hermetically sealed-pressure switchgear during the year.
DD	98.306(t) (proposed 98.306(q))	ID number or other appropriate descriptor for each unique insulating gas reported in 98.306(a), (d) through (l), and (n).	For each reportable insulating gas reported in 40 CFR 98.306(a), (d) through (o), and (q), the ID number or other appropriate descriptor that is unique to that reportable insulating gas .
DD	98.306(u) (proposed 98.306(r))	Weight percent of each fluorinated gas in the insulating gas for each insulating gas ID number or descriptor reported in 98.306(q).	For each unique insulating gas, for each ID number or descriptor reported in 40 CFR 98.306(t), the weight percent of each fluorinated gas in the insulating gas.
HH	98.346(h)	For each landfill subject to a 40 CFR part 60 or part 62 municipal solid waste landfill rule, an indication of whether the landfill exceeds the applicable nonmethane organic carbon emission rates requiring landfill gas collection.	For each landfill subject to a 40 CFR part 60 or part 62 municipal solid waste landfill rule, an indication of whether the landfill gas collection system is required under 40 CFR part 60 or part 62 .
OO	98.416(c)(7)	Customs entry summary number.	The customs entry number for each shipment .
SS	98.456(k)	The nameplate capacity of the equipment, in pounds, delivered to customers with insulating gas inside, if different from §98.456(f).	If different from 40 CFR 98.456(f), the nameplate capacity of the equipment (pounds) delivered to customers with each insulating gas inside.

Subpart	Citation in 40 CFR Part 98	Proposed Data Element Description	Final Data Element Description
SS	98.456(p)	Number of samples for each make, model, and group of conditions if the mass of each insulating gas 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.	If the mass of each reportable insulating gas disbursed to customers in new equipment over the period p is determined according to 40 CFR 98.453(h), the number of samples for each make, model, and group of conditions.
SS	98.456(p)	Upper and lower bounds on the 95 percent confidence interval for each make, model, and group of conditions if the mass of each insulating gas 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.	If the mass of each reportable insulating gas disbursed to customers in new equipment over the period p is determined according to 40 CFR 98.453(h), the upper and lower bounds on the 95 percent confidence interval for each make, model, and group of conditions.
SS	98.456(u)	ID number or other appropriate descriptor for each unique insulating gas reported in 98.456(a) through (j) and (o) through (r).	For each insulating gas reported in 40 CFR 98.456(a) through (j) and (o) through (r), the ID number or other appropriate descriptor unique to that insulating gas.
XX	98.506(g)(1)	For each calcium carbide production process unit, the annual CO ₂ emissions (metric tons) (CEMS).	For each CEMS monitoring location measuring process emissions from the calcium carbide production process unit, the annual CO ₂ emissions (metric tons) (CEMS).
YY	98.516(j)(1) (proposed 98.516(j))	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for caprolactam production.	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for all caprolactam production process lines .
YY	98.516(j)(2) (proposed 98.516(j))	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for glyoxal production.	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for all glyoxal production process lines .
YY	98.516(j)(3) (proposed 98.516(j))	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for glyoxylic acid production.	For the caprolactam, glyoxal, or glyoxylic acid production facility, the annual percent N ₂ O emission reduction for all glyoxylic acid production process lines .

Subpart	Citation in 40 CFR Part 98	Proposed Data Element Description	Final Data Element Description
ZZ	98.526(b)(1)	For each ceramics manufacturing process unit, annual quantity of each carbonate-based raw material charged to the unit (tons) (CEMS).	For a facility containing a ceramics manufacturing process, for each ceramics manufacturing process unit, the annual quantity of each carbonate-based raw material (including clay) charged to the unit (tons) (CEMS).
ZZ	98.526(b)(1)	For a facility containing a ceramics manufacturing process, annual quantity of each carbonate-based raw material charged to all ceramics manufacturing process units combined (tons) (CEMS).	For a facility containing a ceramics manufacturing process, for all ceramics manufacturing process units combined, the annual quantity of each carbonate-based raw material (including clay) charged (tons) (CEMS).
ZZ	98.526(c)(2)	For a facility containing a ceramics manufacturing process, annual quantity of each carbonate-based raw material charged to all ceramics manufacturing process units combined (tons) (no CEMS).	For a facility containing a ceramics manufacturing process, for all ceramics manufacturing process units combined, if process CO ₂ emissions are calculated according to the procedures specified in 40 CFR 98.523(b), the annual quantity of each carbonate-based raw material (including clay) charged (tons) (no CEMS).