DATE: **August 2013**

TO: **Docket EPA-HQ-OAR-2010-0929**

FROM: **Lisa Grogan-McCulloch**

SUBJECT: **Data Elements Deferred to March 31, 2015: List of Data Elements Proposed Not To Be Reported**

Table 1 lists the data elements for which reporting is deferred to March 31, 2015 ("inputs to equations" data elements) that are proposed not to be reported, as specified in the proposed rulemaking "Revisions to Reporting and Recordkeeping Requirements, and Proposed Confidentiality Determinations under the Greenhouse Gas Reporting Program." Table 2 lists the "inputs to equations" data elements that EPA is not proposing to amend in this action; as a result, these data elements would be reported under the proposed rulemaking.

Table 1. List of "Inputs to Equations" Data Elements Proposed Not To Be Reported

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.3(d)(3)(v)	For any facility who submitted an abbreviated emissions report under §98.3(d)(3)(v), any facility operating data or process information used for the GHG emission calculations.	
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(b)(9)(iii)	Estimate of the heat input from each type of fuel listed in Table C-2 that was combusted in the unit during the report year.	C-10

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together and discharged through a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. An estimate of the heat input from each type of fuel listed in Table C-2 combusted during the reporting year.	C-10
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-1
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-1a
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-1b
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-8
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(ii)(A)	For Tier 2: Total quantity of each type of fuel combusted in the unit or group of aggregated units (as applicable) during each month of the reporting year. Express the quantity of each fuel combusted during the measurement period in short tons for solid fuels, gallons for liquid fuels, and scf for gaseous fuels.	C-2b

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(ii)(C)	High heat values used in the CO_2 emissions calculations for each fuel combusted during the reporting year. Report a HHV value for each calendar month in which HHV determination is required. If multiple values are obtained in a given month, report the arithmetic average value for the month.	C-2b
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(ii)(D)	If Eq. C-2c is used: Ratio of the maximum rate heat input capacity to the design rated steam output capacity of the unit.	C-2c
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(ii)(D)	If Eq. C-2c is used: Total quantity (i.e., pounds) of steam produced from MSW or solid fuel combustion during each month of the reporting year.	C-2c
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-13
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-3
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-4

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-5
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-8
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-8a
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-8b
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(C)	The carbon content used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month. (CC).	C-3
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(C)	The carbon content used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month. (CC).	C-4

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(C)	The carbon content used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month. (CC).	C-5
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(C)	Gas molecular weight values used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month.	C-5
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(iv)(F)	The annual average HHV, when measured HHV data, rather than a default HHV from Table C-1 of this subpart, are used to calculate CH4 and N2O emissions for a Tier 3 unit, in accordance with §98.33(c)(1).	C-8
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(ix)(D)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report the carbon-based F-factor used in Equation C-13 of this subpart.	C-13
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(ix)(E)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report the annual average HHV value used in Equation C-13 of this subpart.	C-13
C (Stationary fuel combustion sources at industrial sources, excluding stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid) [1]	§98.36(e)(2)(ix)(F)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report the total quantity of fossil fuel combusted during the reporting year.	C-13
E	§98.56(b)	Total annual adipic acid production from unit "z" (Pz).	E-2

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
E	§98.56(b)	Total annual adipic acid production from unit "z" (Pz).	E-3a
E	§98.56(b)	Total annual adipic acid production from unit "z" (Pz).	E-3b
E	§98.56(b)	Total annual adipic acid production from unit "z" (Pz).	E-3c
E	§98.56(b)	Total annual adipic acid production from unit "z" (Pz).	E-3d
E	§98.56(c)	Annual adipic acid production during which N_2O abatement technology (located after the test point) is operating (Pz,N) .	E-2
E	§98.56(j)(1)	Emission factor for each unit (EFN2Oz).	E-3a
E	§98.56(j)(1)	Emission factor for each unit (EFN2O).	E-3b
E	§98.56(j)(1)	Emission factor for each unit (EFN2O).	E-3c
E	§98.56(j)(1)	Emission factor for each unit (EFN2O).	E-3d
E	§98.56(j)(3)	Production rate per test run during performance test for each unit (P).	E-1
F	§98.66(a)	Annual aluminum production. (MP)	F-5
F	§98.66(a)	Annual aluminum production. (MP)	F-6
F	§98.66(c)(2)	Anode effect minutes per cell-day. (AEM)	F-2
F	§98.66(c)(2)	Anode effect overvoltage factor. (EFCF4)	F-3
F	§98.66(c)(2)	Anode effect frequency.	Used to calculate AEM and the slope coefficients used as an input in Eq. F-2
F	§98.66(c)(2)	Anode effect duration.	Used to calculate AEM and the slope coefficients used as an input in Eq. F-2
F	§98.66(c)(2)	Potline overvoltage.	Used to calculate the overvoltage factor used as an input in Eq. F-3
F	§98.66(c)(2)	Current efficiency.	Used to calculate the overvoltage factor used as an input in Eq. F-3
F	§98.66(c)(3)	Smelter-specific slope coefficients. (SCF4)	F-2
F	§98.66(c)(3)	Overvoltage emission factors. (EFCF4)	F-3
F	§98.66(e)(1)	Annual anode consumption. (No CEMS) (NAC)	F-5
F	§98.66(f)(1)	Annual paste consumption. (No CEMS) (PC)	F-6
F	§98.66(g)	Sulfur content in baked anode (percent weight). (Sa)	F-5
F	§98.66(g)	Ash content in baked anode (percent weight). (Asha)	F-5
F	§98.66(g)	Binder content of paste (percent weight). (**BC)**	F-6
F	§98.66(g)	Sulfur content of pitch (percent weight). (Sp)	F-6
F	§98.66(g)	Ash content of pitch (percent weight). (Ashp)	F-6
F	§98.66(g)	Hydrogen content of pitch (percent weight). (Hp)	F-6

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
F	§98.66(g)	Sulfur content in calcined coke (percent weight). (Sc)	F-6
F	§98.66(g)	Ash content in calcined coke (percent weight). (Ashc)	F-6
F	§98.66(g)	Carbon in skimmed dust from Soderberg cells (metric ton C/metric ton Al) (CD).	F-6
F	§98.66(g)	Initial weight of green anodes (metric tons) (GA).	F-7
F	§98.66(g)	Annual hydrogen content in green anodes (metric tons) (Hw).	F-7
F	§98.66(g)	Annual baked anode production (metric tons) (BA).	F-7
F	§98.66(g)	Annual waste tar collected (metric tons) (WT).	F-7
F	§98.66(g)	Annual packing coke consumption (metric tons/metric ton baked anode) (PCC).	F-8
F	§98.66(g)	Annual baked anode production (metric tons) (BA).	F-8
F	§98.66(g)	Sulfur content in packing coke (percent weight) (SPc).	F-8
F	§98.66(g)	Ash content in packing coke (percent weight) (Ashpc).	F-8
G	§98.76(b)(2)	Monthly quantity of each type of feedstock consumed for ammonia manufacturing - Gaseous Feedstock.	G-1
G	§98.76(b)(2)	Monthly quantity of each type of feedstock consumed for ammonia manufacturing - Liquid Feedstock.	G-2
G	§98.76(b)(2)	Monthly quantity of each type of feedstock consumed for ammonia manufacturing - Solid Feedstock.	G-3
G	§98.76(b)(7)	Carbon content of the gaseous feedstock.	G-1
G	§98.76(b)(8)	Molecular weight of the gaseous feedstock.	G-1
G	§98.76(b)(9)[2]	Molar volume conversion factor of the gaseous feedstock.	G-1
G	§98.76(b)(10)	Carbon content of the liquid feedstock, for month n.	G-2
G	§98.76(b)(11)	Carbon content of the solid feedstock, for month n.	G-3
H	§98.86(b)(2)	Monthly clinker production for each kiln (No CEMS).	H-2
H	§98.86(b)(5)	Quarterly quantity of CKD not recycled to the kiln.	H-2
H	§98.86(b)(6)	Monthly fraction of total CaO in clinker.	H-3
H	§98.86(b)(6)	Monthly fraction of total MgO in clinker.	H-3
H	§98.86(b)(6)	Monthly fraction of non-calcined CaO in clinker.	H-3
H	§98.86(b)(6)	Monthly fraction of non-calcined MgO in clinker.	H-3
H	§98.86(b)(8)	Quarterly fraction of total CaO in CKD not recycled to the kiln.	H-4
H	§98.86(b)(8)	Quarterly fraction of total MgO in CKD not recycled to the kiln.	H-4
H	§98.86(b)(8)	Quarterly fraction of non-calcined CaO in CKD not recycled to the kiln.	H-4
H	§98.86(b)(8)	Quarterly fraction of non-calcined MgO in CKD not recycled to the kiln.	H-4
H	§98.86(b)(10)	Monthly kiln-specific clinker CO_2 emission factors for each kiln.	H-2
H	§98.86(b)(12)	Annual organic carbon content of each raw kiln feed or annual organic carbon content of each raw material.	H-5
H	§98.86(b)(13)	Annual consumption of each raw kiln feed or annual consumption of each raw material.	H-5

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
H	§98.86(b)(15)	Monthly kiln-specific raw kiln feed to clinker produced factors (if used) for each kiln.	Used to calculate clinker production by facilities using the method in 40 CFR 98.84(d) (i.e., kiln-specific clinker-to-feed factors)
K	§98.116(b)	Annual production by product from each EAF (tons) (used as input to Eq K-1): Mproductk= Annual mass of alloy product k tapped from EAF (tons).	K-1
K	§98.116(b)	Annual production by product from each EAF (tons) (used as input to Eq K-3).	K-3
K	§98.116(e)(4)	Annual material quantity for each material included for the calculation of annual process CO_2 emissions (No CEMS): Mreducing agenti= Annual mass of reducing agent i fed, charged, or otherwise introduced into the EAF (tons).	K-1
K	§98.116(e)(4)	Annual material quantity for each material included for the calculation of annual process CO_2 emissions (No CEMS): Melectrodem= Annual mass of carbon electrode m consumed in the EAF (tons).	K-1
K	§98.116(e)(4)	Annual material quantity for each material included for the calculation of annual process CO_2 emissions (No CEMS): Moreh= Annual mass of ore h charged to the EAF (tons).	K-1
K	§98.116(e)(4)	Annual material quantity for each material included for the calculation of annual process CO_2 emissions (No CEMS): Mfluxj= Annual mass of flux material j fed, charged, or otherwise introduced into the EAF to facilitate slag formation (tons).	K-1
K	§98.116(e)(4)	Annual material quantity for each material included for the calculation of annual process CO_2 emissions (No CEMS): Mnon-product outgoingl= Annual mass of non-product outgoing material l removed from EAF (tons).	K-1
K	§98.116(e)(5)	Annual average of the carbon content determinations for each material included for the calculation of annual process CO_2 emissions (No CEMS): Creducing agenti= Carbon content in reducing agent i (percent by weight, expressed as a decimal fraction).	K-1
K	§98.116(e)(5)	Annual average of the carbon content determinations for each material included for the calculation of annual process CO_2 emissions (No CEMS): Celectrodem= Carbon content of the carbon electrode m (percent by weight, expressed as a decimal fraction).	K-1
K	§98.116(e)(5)	Annual average of the carbon content determinations for each material included for the calculation of annual process CO_2 emissions (No CEMS): Coreh= Carbon content in ore h (percent by weight, expressed as a decimal fraction).	K-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
K	§98.116(e)(5)	Annual average of the carbon content determinations for each material included for the calculation of annual process CO_2 emissions (No CEMS): Cfluxj= Carbon content in flux material j (percent by weight, expressed as a decimal fraction).	K-1
K	§98.116(e)(5)	Annual average of the carbon content determinations for each material included for the calculation of annual process CO_2 emissions (No CEMS): Cproductk= Carbon content in alloy product k . (percent by weight, expressed as a decimal fraction).	K-1
K	§98.116(e)(5)	Annual average of the carbon content determinations for each material included for the calculation of annual process CO_2 emissions (No CEMS): Cnon-product outgoingl= Carbon content in non-product outgoing material l (percent by weight, expressed as a decimal fraction).	K-1
L	§98.126(b)(1)	Elements of the sum (a, b, c, etc.) (e.g., measured variables in the sum).	L-1
L	§98.126(b)(1) [2]	eSA (absolute error of the sum, expressed as one half of a 95 percent confidence interval). Note that where eSA = the overall absolute error calculated for the process emissions you report under §98.126(a)(2), this data element was not deferred in the inputs deferral rule (76 FR 53057, August 25, 2011), and would be required to be reported.	L-1
L	§98.126(b)(1) [2]	ea, eb, ec = Relative error of a, b, or c, respectively, expressed as one half of a 95 percent confidence interval.	L-1
L	§98.126(b)(1)	Elements of the sum (a, b, c, etc.) (e.g., measured variables in the sum).	L-2
L	§98.126(b)(1)	a+b+c = Sum of the variables measured.	L-2
L	§98.126(b)(1) [2]	eSR (relative error of the sum, expressed as one half of a 95 percent confidence interval). Note that where eSR = the overall relative error calculated for the process emissions you report under §§98.126(a)(2), this data element was not deferred in the inputs deferral rule (76 FR 53057, August 25, 2011), and would be required to be reported.	L-2
L	§98.126(b)(1) [2]	eSA (absolute error of the sum, expressed as one half of a 95 percent confidence interval). Note that where eSA = the overall absolute error calculated for the process emissions you report under §98.126(a)(2), this data element was not deferred in the inputs deferral rule (76 FR 53057, August 25, 2011) , and would be required to be reported.	L-2
L	§98.126(b)(1)	Elements of the sum (a, b, c, etc.) (e.g., measured variables in the sum).	L-3
L	§98.126(b)(1) [2]	ea, eb, ec = Relative error of a, b, or c, respectively, expressed as one half of a 95 percent confidence interval.	L-3
L	§98.126(b)(1) [2]	ePA (absolute error of the product, expressed as one half of a 95 percent confidence interval). Note that where ePA = the overall absolute error calculated for the process emissions you report under §98.126(a)(2), this data element was not deferred in the inputs deferral rule (76 FR 53057, August 25, 2011) , and would be required to be reported.	L-3
L	§98.126(b)(1)	a*b*c = Product of the variables measured.	L-3
L	§98.126(b)(1)	Measured variables of the product (a, b, c, etc.).	L-4
L	§98.126(b)(1)	a*b*c = Product of the variables measured.	L-4

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
L	§98.126(b)(1) [2]	ePR (relative error of the product, expressed as one half of a 95 percent confidence interval). Note that where ePR = the overall relative error calculated for the process emissions you report under §98.126(a)(2), this data element was not deferred in the inputs deferral rule (76 FR 53057, August 25, 2011) , and would be required to be reported.	L-4
L	§98.126(b)(1) [2]	ePA (absolute error of the product, expressed as one half of a 95 percent confidence interval). Note that where ePA = the overall absolute error calculated for the process emissions you report under §98.126(a)(2), this data element was not deferred in the inputs deferral rule (76 FR 53057, August 25, 2011) , and would be required to be reported.	L-4
L	§98.126(b)(2)	The balanced chemical equation that describes the reaction used to manufacture the fluorinated GHG product and each fluorinated GHG transformation product.	
L	§98.126(b)(6)	The mass of each fluorine-containing reactant that is fed into the process. (Rd)	L-6
L	§98.126(b)(7)	The mass of each fluorine-containing product produced by the process. (P)	L-6
L	§98.126(b)(8)(i)	The mass of each fluorine-containing product that is removed from the process and fed into the destruction device (metric tons). (Pj)	L-7
L	§98.126(b)(8)(ii)	The mass of each fluorine-containing by-product that is removed from the process and fed into the destruction device (metric tons). (Bkj)	L-7
L	§98.126(b)(8)(iii)	The mass of each fluorine-containing reactant that is removed from the process and fed into the destruction device (metric tons). (Rdj)	L-7
L	§98.126(b)(8)(iv)	The mass of each fluorine-containing by-product that is removed from the process and recaptured (metric tons). (Bkl)	L-7
L	§98.126(b)(8)(v)	The demonstrated destruction efficiency of the destruction device for each fluorinated GHG fed into the device from the process in greater than trace concentrations (fraction). (DEFGHGf= Destruction efficiency of the device that has been demonstrated for fluorinated GHG f in stream j (fraction).)	L-8
L	§98.126(b)(9)(i)	The mass of fluorine in each stream that is fed into the destruction device (metric tons). (cTFj * Sj)	L-17
L	§98.126(b)(9)(ii)	The mass of fluorine that is recaptured (metric tons). (cTFl * Sl)	L-17
L	§98.126(b)(9)(iii)	The weighted average destruction efficiency of the destruction device calculated for each stream under §98.123(b)(16). (DEavgj)	L-17
L	§98.126(c)(1)	The quantity of the process activity used to estimate emissions (e.g., tons of product produced or tons of reactant consumed). (ActivityC or ActivityU)	L-21
L	§98.126(c)(1)	The quantity of the process activity used to estimate emissions (e.g., tons of product produced or tons of reactant consumed). (ActivityC or ActivityU)	L-22
L	§98.126(c)(1)	The quantity of the process activity used to estimate emissions (e.g., tons of product produced or tons of reactant consumed). (Activity)	L-26
L	§98.126(c)(1)	The quantity of the process activity used to estimate emissions (e.g., tons of product produced or tons of reactant consumed). (ActivityU or ActivityC)	L-27

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
L	§98.126(c)(2)	The site-specific, process-vent-specific emission factor(s) for each process vent (EFPV).	L-20
L	§98.126(c)(2)	The site-specific, process-vent-specific emission factor(s) for each process vent (EFPV–C).	L-21
L	§98.126(c)(2)	The site-specific, process-vent-specific emission calculation factor for each process vent. (ECFPV-U).	L-21
L	§98.126(c)(2)	The site-specific, process-vent-specific emission factor(s) for each process vent (EFPV–U).	L-22
L	§98.126(c)(2)	The site-specific, process-vent-specific emission factor(s) for each process vent. (EFPV)	L-23
L	§98.126(c)(2)	The site-specific, process-vent-specific emission calculation factor for each process vent. (ECFPV).	L-25
L	§98.126(c)(2)	The site-specific, process-vent-specific emission calculation factor for each process vent (ECFPV).	L-26
L	§98.126(c)(2)	The site-specific, process-vent-specific emission calculation factor for each process vent. (ECFPV).	L-27
L	§98.126(d)	Where missing data have been estimated pursuant to §98.125 report, estimate of the missing data.	Varies
L	§98.126(f)(1)	Destruction efficiency (DE) of each destruction device for each fluorinated GHG whose destruction the facility reflects in §98.123, in accordance with §98.124(g)(1)(i) through (iv). (DEFGHGf)	L-8
L	§98.126(f)(1)	Destruction efficiency (DE) of each destruction device for each fluorinated GHG whose destruction the facility reflects in §98.123, in accordance with §98.124(g)(1)(i) through (iv). (DEFGHGf)	L-18
L	§98.126(f)(1)	Destruction efficiency (DE) of each destruction device for each fluorinated GHG whose destruction the facility reflects in §98.123, in accordance with §98.124(g)(1)(i) through (iv). (DE)	L-22
L	§98.126(f)(1)	Destruction efficiency (DE) of each destruction device for each fluorinated GHG whose destruction the facility reflects in §98.123, in accordance with §98.124(g)(1)(i) through (iv) (DE).	L-27
L	§98.126(f)(1)	Destruction efficiency (DE) of each destruction device for each fluorinated GHG whose destruction the facility reflects in §98.123, in accordance with §98.124(g)(1)(i) through (iv) (DE).	L-31
L	§98.126(g)(1)	The mass of the fluorinated GHG fed into the destruction device. (RE_D)	L-31
L	§98.126(h)(2)	If applicable, the heel factor calculated for each container size and type. (hfj)	L-34
N	§98.146(b)(2)	Annual quantity of carbonate based-raw material charged to each continuous glass melting furnace (No CEMS).	N-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
N	§98.146(b)(4)	Carbonate-based mineral mass fraction of carbonate-based raw material charged to a furnace.	N-1
N	§98.146(b)(6)	Fraction of calcination for carbonate-based raw material.	N-1
O	§98.156(a)(2)	Loss Factor used to account for the loss of HCFC– 22 upstream of the measurement (LF used in equation O-3).	O-3
O	§98.156(a)(7)	Annual mass of the HFC-23 generated (G_{23} in Eq. O-4).	O-4
O	§98.156(a)(8)	Annual mass of any HFC-23 sent off site for sale (S_{23} in Eq. O-4).	O-4
O	§98.156(a)(9)	Annual mass of any HFC-23 sent off site for destruction (OD_{23} used in Eq. O-4).	O-4
O	§98.156(a)(10)	Mass of HFC-23 in storage at the beginning of the year (used to calculate I_{23}, which is used in Eq. O-4).	O-4
O	§98.156(a)(10)	Mass of HFC-23 in storage at the end of the year (used to calculate I_{23}, which is used in Eq. O-4).	O-4
O	§98.156(b)(1)	Annual mass of HFC-23 fed into the destruction device (FD used in Eq. O-8 and O-9).	O-8
O	§98.156(b)(1)	Annual mass of HFC-23 fed into the destruction device (FD used in Eq. O-8 and O-9).	O-9
O	§98.156(b)(2)	Annual mass of HFC-23 destroyed (D23 used in Eq. O-8).	O-8
O	§98.156(d)(1)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report flow rate of HFC-23 being fed into the destruction device in kg/hr.	No Equation - Used to calculate Destruction Efficiency
O	§98.156(d)(5)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report the destruction efficiency (DE) calculated from paragraphs (d)(1) and (d)(4) of this section.	O-9
O	§98.156(e)(1)	(One time report) Destruction efficiency (DE) (by March 31, 2011 or within 60 days of commencing HFC-23 destruction).	O-9
P	§98.156(b)(2)	Monthly consumption of each fuel and feedstock by type used for hydrogen production (No CEMS): gaseous.	P-1
P	§98.156(b)(2)	Monthly consumption of each fuel and feedstock by type used for hydrogen production (No CEMS) (Fdstkn): Liquid.	P-2
P	§98.156(b)(2)	Monthly consumption of each fuel and feedstock by type used for hydrogen production (No CEMS) (Fdstkn): solid.	P-3
P	§98.156(b)(5)	Monthly analyses of carbon content for each fuel and feedstock used in hydrogen production: Gaseous.	P-1
P	§98.156(b)(5)	Monthly analyses of carbon content for each fuel and feedstock used in hydrogen production: Liquid.	P-2
P	§98.156(b)(5)	Monthly analyses of carbon content for each fuel and feedstock used in hydrogen production: Solid.	P-3
P	§98.156(b)(6)	Monthly analyses of the molecular weight of gaseous fuels and feedstocks.	P-1
Q	§98.176(b)	Annual quantity taconite pellets produced (No CEMS).	Q-1 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Q	§98.176(b)	Annual quantity coke produced (No CEMS).	Q-2 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method
Q	§98.176(b)	Annual quantity iron produced (No CEMS).	Q-2 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method
Q	§98.176(b)	Annual quantity raw steel produced (No CEMS).	Q-2 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method
Q	§98.176(b)	Annual quantity sinter produced (No CEMS).	Q-4 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method
Q	§98.176(b)	Annual quantity raw steel produced (No CEMS).	Q-5 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method
Q	§98.176(b)	Annual quantity raw steel produced (No CEMS).	Q-6 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method
Q	§98.176(b)	Annual quantity iron produced (No CEMS).	Q-7 or the calculation method specified in 98.273(b)(2)(iv) for the site-specific emission factor method
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) - solid fuel combusted (Csf).	Q-1
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) -gaseous fuel combusted(C_{gf}).	Q-1
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- liquid fuel combusted (C_{lf}).	Q-1
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- greenball pellets produced (Co).	Q-1
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO2 emissions (No CEMS) - Fired pellets produced (Cp).	Q-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - air pollution control residue collected (Cr).	Q-1
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Iron (C_{iron}).	Q-2
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Scrap (C_{scrap}).	Q-2
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Flux (C_{flux}).	Q-2
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Carbonaceous material (C_{carbon}).	Q-2
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Steel produced (C_{steel}).	Q-2
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Slag produced (C_{slag}).	Q-2
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Air pollution control residue collected (C_R).	Q-2
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Coal charged to coke battery (C_{coal}).	Q-3
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Coke produced by coke battery (C_{coke}).	Q-3
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Air pollution control residue collected from coke battery (C_R).	Q-3
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Gaseous fuel combusted in the sinter process (C_{gf}).	Q-4
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) - sinter feed (C_{Feed}).	Q-4
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - sinter (C_{Sinter}).	Q-4
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Air pollution control residue collected from sinter process (C_R).	Q-4
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Iron (C_{iron}) used in EAF.	Q-5
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Scrap (C_{scrap}) used in EAF.	Q-5
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Flux (C_{flux}) used in EAF.	Q-5
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Carbonaceous material (C_{carbon}) used in EAF.	Q-5
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Electrode consumed in EAF ($C_{electrode}$).	Q-5
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Steel produced (C_{steel}) in EAF.	Q-5

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Slag produced (C_{slag}) in EAF.	Q-5
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Air pollution control residue collected (C_R) for EAF.	Q-5
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) - molten steel before decarburization ($C_{steelout}$) in EAF.	Q-6
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - molten steel after decarburization ($C_{steelout}$) in EAF.	Q-6
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Air pollution control residue collected (C_R) for EAF.	Q-6
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) - Gaseous fuel combusted in the direct reduction furnace (F_g) .	Q-7
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) - iron ore or iron ore pellets fed into the direct reduction furnace (C_{ore}) .	Q-7
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS)- Carbonaceous material (C_{carbon}) used in the direct reduction furnace .	Q-7
Q	§98.176(e)(1)	Carbon content of each process input used to determine CO_2 emissions (No CEMS) - Other materials charged to the direct reduction furnace (C_{other}).	Q-7
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Iron produced from direct reduction furnace (C_{iron}).	Q-7
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Non-metallic materials produced from direct reduction furnace (C_{NM}).	Q-7
Q	§98.176(e)(1)	Carbon content of each process output used to determine CO_2 emissions (No CEMS) - Air pollution control residue collected (C_R) for direct reduction furnace.	Q-7
Q	§98.176(e)(3)	Annual volume of each type of gaseous fuel used to determine CO_2 emissions (reported separately for each type in standard cubic feet) (No CEMS) - Taconite Indurating Furnace.	Q-1
Q	§98.176(e)(3)	Annual volume of each type of liquid fuel used to determine CO_2 emissions (reported separately for each type in gallons) (No CEMS).	Q-1
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of greenball (taconite) pellets fed into the furnace (O).	Q-1
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of solid fuel combusted (Fs).	Q-1
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of air pollution control residue (R).	Q-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of fired pellets produced (P).	Q-1
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of molten iron charged to furnace (Iron).	Q-2
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of scrap charged to the furnace (Scrap).	Q-2
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of flux charged to the furnace (Flux).	Q-2
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of carbon (e.g., coal, coke) charged to furnace (Carbon).	Q-2
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of steel produced (Steel).	Q-2
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of slag produced (Slag).	Q-2
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of air pollution control residue collected (Residue).	Q-2
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Coal charged to battery (Coal).	Q-3
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of coke produced (Coke).	Q-3
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of air pollution control residue collected from battery (R).	Q-3
Q	§98.176(e)(3)	Annual volume of each type of gaseous fuel used to determine CO_2 emissions (reported separately for each type in standard cubic feet) (No CEMS) - Sinter process (Fg).	Q-4
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of sinter feed material (Feed).	Q-4
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of sinter Produced (Sinter).	Q-4
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of air pollution control residue collected from sinter process (R).	Q-4
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of direct reduced iron charged to the EAF (Iron).	Q-5
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of Scrap charged to the EAF(Scrap).	Q-5
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of flux charged to the EAF(Flux).	Q-5

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of carbon electrode consumed in the EAF(Electrode).	Q-5
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO2 emissions (No CEMS)- Annual mass of carbonaceous (coal or coke) material charged to the EAF(Carbon).	Q-5
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of steel produced (Steel) in EAF.	Q-5
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of slag produced (Slag) in EAF.	Q-5
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of air pollution control residue collected (Residue) from EAF.	Q-5
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of steel charged to the decarburization vessel (Steel).	Q-6
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of air pollution control residue collected (Residue) from the decarburization vessel.	Q-6
Q	§98.176(e)(3)	Annual volume of each type of gaseous fuel used to determine CO_2 emissions (reported separately for each type in standard cubic feet) (No CEMS) - direct reduction furnaces (Fg).	Q-7
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of iron ore or iron ore pellets charged to the direct reduction furnace (Ore).	Q-7
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of carbonaceous (coal or coke) material charged to the direct reduction furnace (Carbon).	Q-7
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of other material charged to the direct reduction furnace (Other).	Q-7
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of iron produced (Iron) in direct reduction furnace.	Q-7
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process input used to determine CO_2 emissions (No CEMS)- Annual mass of non-metallic materials produced (NM) in direct reduction furnace.	Q-7
Q	§98.176(e)(3)	Annual mass (in metric tons) of each other process output used to determine CO_2 emissions (No CEMS) - Annual mass of air pollution control residue collected (Residue) from the direct reduction furnace.	Q-7
Q	§98.176(e)(4)	Molecular weight of gaseous fuels (No CEMS) - Taconite Indurating Furnace.	Q-1
Q	§98.176(e)(4)	Molecular weight of gaseous fuels (No CEMS) - Sinter Process.	Q-4
Q	§98.176(e)(4)	Molecular weight of gaseous fuels (No CEMS) - Direct Reduction Furnace.	Q-7
Q	§98.176(f)(2)	Average hourly feed rate during the test (No CEMS).	No Equation - Used as input in calc. method described in §98.173(b)(2)(iii).

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Q	§98.176(f)(2)	Average hourly production rate during the test (No CEMS).	No Equation - Used as input in calc. method described in §98.173(b)(2)(iii).
Q	§98.176(f)(3)	Site-specific emission factor (No CEMS).	No Equation - Used as input in calc. method described in §98.173(b)(2)(iv).
Q	§98.176(f)(4)	Annual feed rate used to estimate annual CO_2 emissions (No CEMS).	No Equation - Used as input in calc. method described in §98.173(b)(2)(iv).
Q	§98.176(f)(4)	Annual production rate used to estimate annual CO_2 emissions (No CEMS).	No Equation - Used as input in calc. method described in §98.173(b)(2)(iv).
Q	§98.176(g)	The annual amount of coal charged to the coke ovens (in metric tons).	No Equation - Used as input in calc. method described in §98.173(c).
R	§98.186(b)(6)	Annual material quantity used for the calculation of annual process CO_2 emissions (No CEMS) (Ore = Annual mass of lead ore charged to the smelting furnace (tons).)	R-1
R	§98.186(b)(6)	Annual material quantity used for the calculation of annual process CO_2 emissions (No CEMS) (Scrap = Annual mass of lead scrap charged to the smelting furnace (tons).)	R-1
R	§98.186(b)(6)	Annual material quantity used for the calculation of annual process CO_2 emissions (No CEMS) (Flux = Annual mass of flux materials (e.g., limestone, dolomite) charged to the smelting furnace (tons).)	R-1
R	§98.186(b)(6)	Annual material quantity used for the calculation of annual process CO_2 emissions (No CEMS) (Carbon = Annual mass of carbonaceous materials (e.g., coal, coke) charged to the smelting furnace (tons).)	R-1
R	§98.186(b)(6)	Annual material quantity used for the calculation of annual process CO_2 emissions (No CEMS) (Other = Annual mass of any other material containing carbon, other than fuel, fed, charged, or otherwise introduced into the smelting furnace (tons).)	R-1
R	§98.186(b)(7)	Annual average of the carbon content determinations for each material used for the calculation of annual process CO_2 emissions (No CEMS) (COre= Carbon content of the lead ore, from the carbon analysis results (percent by weight, expressed as a decimal fraction).)	R-1
R	§98.186(b)(7)	Annual average of the carbon content determinations for each material used for the calculation of annual process CO_2 emissions (No CEMS). (CScrap= Carbon content of the lead scrap, from the carbon analysis (percent by weight, expressed as a decimal fraction).)	R-1
R	§98.186(b)(7)	Annual average of the carbon content determinations for each material used for the calculation of annual process CO_2 emissions (No CEMS). (CFlux= Carbon content of the flux materials, from the carbon analysis (percent by weight, expressed as a decimal fraction).)	R-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
R	§98.186(b)(7)	Annual average of the carbon content determinations for each material used for the calculation of annual process CO_2 emissions (No CEMS). (CCarbon= Carbon content of the carbonaceous materials, from the carbon analysis (percent by weight, expressed as a decimal fraction).)	R-1
R	§98.186(b)(7)	Annual average of the carbon content determinations for each material used for the calculation of annual process CO_2 emissions (No CEMS). (COther= Carbon content of the other material from the carbon analysis results (percent by weight, expressed as a decimal fraction).)	R-1
S	§98.196(b)(2)	Monthly emission factors for each lime type produced.	S-4
S	§98.196(b)(3)	Monthly emission factors for each calcined byproduct/waste by lime type that is sold. (EFLKD,i,n)	S-4
S	§98.196(b)(5)	Monthly results of chemical composition analysis of each type of lime product produced (CaOi,n and MgOi,n) (No CEMS).	S-1
S	§98.196(b)(5)	Monthly results of chemical composition analysis of each type of calcined lime byproducts/wastes sold (CaOLKDi,n and MgOLKDi,n) (No CEMS).	S-2
S	§98.196(b)(6)	Annual results of chemical composition analysis of each type of lime byproducts/wastes that is not sold (CaOwastei,n and MgOwastei,n) (No CEMS).	S-3
S	§98.196(b)(8)	Monthly amount of lime product sold, by type (No CEMS).	Calculation method described in §98.194(a)
S	§98.196(b)(10)	Monthly amount of calcined lime byproduct/waste sold, by type (MLKDi,n) (No CEMS).	S-4
S	§98.196(b)(11)	Annual amount of calcined lime byproduct/waste that is not sold, by type (Mwastei) (No CEMS).	S-3
S	§98.196(b)(12)	Monthly weight or mass of each lime type produced (MLIMEi,n) (No CEMS).	S-4
U	§98.216(b)	Annual carbonate consumption by carbonate type.	U-1
U	§98.216(b)	Annual carbonate input by carbonate type.	U-2
U	§98.216(e)(1)	Annual carbonate consumption by carbonate type.	U-1
U	§98.216(e)(2)	Annual calcination fractions used in calculations.	U-1
U	§98.216(f)(1)	Annual carbonate input by carbonate type.	U-2
U	§98.216(f)(2)	Annual carbonate output by carbonate type.	U-2
V [3]	§98.226(d)	Annual nitric acid production during which N_2O abatement technology is operating (tons, 100% acid basis).	V-2
V [3]	§98.226(m)(1)	Emission factor calculated for each nitric acid train (EFN2Ot).	V-3a
V [3]	§98.226(m)(1)	Emission factor calculated for each nitric acid train (EFN2Ot).	V-3b
V [3]	§98.226(m)(1)	Emission factor calculated for each nitric acid train (EFN2Ot).	V-3c
V [3]	§98.226(m)(1)	Emission factor calculated for each nitric acid train (EFN2Ot).	V-3d
V [3]	§98.226(m)(3)	Production rate per test run during performance test for each train.	V-1
X	§98.246(a)(4)	Indicate whether you used the alternative to sampling and analysis.	X-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
X	§98.246(a)(4)	Monthly volume values (used in Equations X-1 to X-3) - Volume of gaseous feedstock I introduced in month "n" ($(F_{gf})_{n)}$.	X-1
X	§98.246(a)(4)	Monthly volume values (used in Equations X-1 to X-3) - Volume of gaseous product i produced in month "n" ($(P_{gf})_{n)}$	X-1
X	§98.246(a)(4)	Monthly carbon content values (used in Equations X-1 to X-3) - Average carbon content of the gaseous feedstock I for month "n" ((CCgf)n).	X-1
X	§98.246(a)(4)	Monthly carbon content values (used in Equations X-1 to X-3) - Average carbon content of the gaseous product i for month "n" ((CCgp)n).	X-1
X	§98.246(a)(4)	Molecular weights for gaseous feedstocks (used in Equation X-1).	X-1
X	§98.246(a)(4)	Molecular weights for gaseous products (used in Equation X-1).	X-1
X	§98.246(a)(4)	Indicate whether you used the alternative to sampling and analysis.	X-2
X	§98.246(a)(4)	Monthly volume values (used in Equations X-1 to X-3) - Volume of liquid feedstock i for month "n" ($(F_{lf})_n$).	X-2
X	§98.246(a)(4)	Monthly volume values (used in Equations X-1 to X-3) - Volume of liquid product i for month "n" ($(P_{lp})_n$) .	X-2
X	§98.246(a)(4)	Monthly mass values (used in Equations X-1 to X-3) - Mass of liquid feedstock i for month "n" ($(F_{lf})_n$).	X-2
X	§98.246(a)(4)	Monthly mass values (used in Equations X-1 to X-3) - Mass of liquid product i for month "n" ($(P_{lp})_n$).	X-2
X	§98.246(a)(4)	Monthly carbon content values (used in Equations X-1 to X-3) - Average carbon content of the liquid feedstock i for month "n" ((CC_{lf})n).	X-2
X	§98.246(a)(4)	Monthly carbon content values (used in Equations X-1 to X-3) - Average carbon content of the liquid product i for month "n" ((CClp)n).	X-2
X	§98.246(a)(4)	Indicate whether you used the alternative to sampling and analysis.	X-3
X	§98.246(a)(4)	Monthly mass values (used in Equations X-1 to X-3) - Mass of solid feedstock I for month "n" ($(F_{sf})_n$).	X-3
X	§98.246(a)(4)	Monthly mass values (used in Equations X-1 to X-3) - Mass of solid product i for month "n" ($(P_{sp})_n$).	X-3
X	§98.246(a)(4)	Monthly carbon content values (used in Equations X-1 to X-3) - Average carbon content of the solid feedstock i for month "n" ((CC_{lf})n).	X-3
X	§98.246(a)(4)	Monthly carbon content values (used in Equations X-1 to X-3) - Average carbon content of the solid product i for month "n" ((CClp)n).	X-3
X	§98.246(b)(5)(iii)	Quantity of each type of fuel used in equation C-8 in §98.33(c) for each stationary combustion unit or group of units (as applicable) during the reporting year, expressed in short tons for solid fuels, gallons for liquid fuels, and scf for gaseous fuels.	C-8
X	§98.246(b)(5)(iv)	The HHV (either default or annual average from measured data) used in equation C-8 in §98.33(C) for each stationary combustion unit or group of units (as applicable).	C-8

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Y	§98.256(e)(6)[2]	If using Equation Y-1a: report the molar volume conversion factor (in scf/g-mole) for each flare.	Y-1a
Y	§98.256(e)(7)[2]	If using Equation Y-1b: report molar volume conversion factor for each flare.	Y-1b
Y	§98.256(e)(7)(ii)	If using Equation Y-1b: report the carbon mole number of each carbon containing compound other than CO_2 in the flare gas stream for each flare.	Y-1b
Y	§98.256(e)(9)	Annual volume of flare gas combusted during normal operations.	Y-3
Y	§98.256(e)(9)	Annual average higher heating value of the flare gas (normal).	Y-3
Y	§98.256(e)(9)	Volume of gas flared during SSM event.	Y-3
Y	§98.256(e)(9)	Average molecular weight (SSM).	Y-3
Y	§98.256(e)(9)	Carbon content of the flare gas (SSM).	Y-3
Y	§98.256(e)(9)[2]	If using Equation Y-3: report the molar volume conversion factor for each flare.	Y-3
Y	§98.256(e)(10)[2]	Fraction of carbon in the flare gas contributed by methane (used in Equation Y-4).	Y-4
Y	§98.256(f)(7)[2]	If using Equation Y-6: report the molar volume conversion factor.	Y-6
Y	§98.256(f)(10)	Coke burn-off factor.	Y-8
Y	§98.256(f)(10)	Annual throughput of unit.	Y-8
Y	§98.256(f)(10)	Average carbon content of coke.	Y-8
Y	§98.256(f)(11)	If you use a unit-specific emission factor for CH4: report the unit-specific emission factor for CH4 each catalytic cracking units, traditional fluid coking units, and catalytic reforming units.	Used in method specified in §98.253(c)(4)
Y	§98.256(f)(11)[2]	Units of measure for the unit-specific CH_4 emission factor.	Used in method specified in §98.253(c)(4)
Y	§98.256(f)(11)	Activity data for calculating emissions (input).	Used in method specified in §98.255(c)(4)
Y	§98.256(f)(11)	Activity data for calculating emissions (product).	Used in method specified in §98.255(c)(4)
Y	§98.256(f)(12)	Activity data for calculating emissions (input).	Used in method specified in §98.255(c)(5)
Y	§98.256(f)(12)	Activity data for calculating emissions (production).	Used in method specified in §98.255(c)(5)
Y	§98.256(f)(12)	If a unit-specific emission factor for N2O was used: report the unit-specific emission factor for N2O each catalytic cracking units, traditional fluid coking units, and catalytic reforming units.	Used in method specified in §98.253(c)(5)
Y	§98.256(f)(12)[2]	Units of measure for the unit-specific N_2O emission factor.	Used in method specified in 9§8.253(c)(5)
Y	§98.256(f)(13)	Average carbon content of coke.	Y-11

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Y	§98.256(h)(4)[2]	If Equation Y-12 is used: report the molar volume conversion factor.	Y-12
Y	§98.256(h)(4)	If Equation Y-12 is used: Annual volumetric flow to the sulfur recovery plant.	Y-12
Y	§98.256(h)(4)	If Equation Y-12 is used: Annual average mole fraction of carbon in the sour gas.	Y-12
Y	§98.256(h)(5)	Annual volume of recycled tail gas (if used to calculate recycling correction factor).	If a correction for CO2 emissions in the tail gas was used in Eq. Y-12, used in method specified in §98.253(f)(5)
Y	§98.256(h)(5)	Annual average mole fraction of carbon in the tail gas (if used to calculate recycling correction factor).	If a correction for CO2 emissions in the tail gas was used in Eq. Y-12, used in method specified in §98.253(f)(5)
Y	§98.256(i)(5)	If you use Eq. Y-13, report the annual mass of green coke fed to the for each coke calcining unit	Y-13
Y	§98.256(i)(5)	If you use Eq. Y-13, report the carbon content of green coke fed to the for each coke calcining unit.	Y-13
Y	§98.256(i)(5)	If you use Eq. Y-13, report the annual mass of marketable coke produced for each coke calcining unit.	Y-13
Y	§98.256(i)(5)	If you use Eq. Y-13, report the carbon content of marketable coke produced for each coke calcining unit.	Y-13
Y	§98.256(i)(5)	If Equation Y-13 used for coke calcining units: report the annual mass of coke dust removed from the process through collected in dust collection systems.	Y-13
Y	§98.256(i)(7)	For coke calcining: Activity data for calculating emissions (input data).	Used in method specified in §98.253(c)(4)
Y	§98.256(i)(7)	For coke calcining: Activity data for calculating emissions (production data).	Used in method specified in §98.253(c)(4)
Y	§98.256(i)(7)	For coke calcining: The unit-specific CH_4 emission factor.	Used in method specified in §98.253(c)(4)
Y	§98.256(i)(7) [2]	For coke calcining: Units of measure for the unit-specific CH_4 emission factor.	Used in method specified in §98.253(c)(4)
Y	§98.256(i)(8)	For coke calcining: If a unit specific emission factor was used for the N2O factor: report the activity data used for calculating emissions.	Used in method specified in §98.253(c)(5)
Y	§98.256(i)(8)	For coke calcining: If a unit-specific emission factor for N2O was used, report the site-specific emission factor.	Used in method specified in §98.253(c)(5)
Y	§98.256(i)(8)[2]	For coke calcining: If a unit specific emission factor was used for the N2O factor: report the units of measure for the unit-specific factor .	Used in method specified in §98.253(c)(5)
Y	§98.256(j)(2)	Quantity of asphalt blown for each asphalt blowing unit.	Y-14

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Y	§98.256(j)(2)	Quantity of asphalt blown for each asphalt blowing unit.	Y-15
Y	§98.256(j)(2)	Quantity of asphalt blown for each asphalt blowing unit.	Y-16a
Y	§98.256(j)(2)	Quantity of asphalt blown for each asphalt blowing unit.	Y-16b
Y	§98.256(j)(2)	Quantity of asphalt blown for each asphalt blowing unit.	Y-17
Y	§98.256(j)(5)	CO_2 emission factor for each asphalt blowing unit.	Y-14
Y	§98.256(j)(6)	CH_4 emission factor for each asphalt blowing unit.	Y-15
Y	§98.256(j)(7)	If Equation Y-16 is used: report the carbon emission factor.	Y-16a
Y	§98.256(j)(8)	If Equation Y-16b is used: report the CO_2 emission factor used.	Y-16b
Y	§98.256(j)(8)	If Equation Y-16b is used: report the carbon emission factor.	Y-16b
Y	§98.256(j)(9)	If you use Eq. Y-17: CH_4 emission factor.	Y-17
Y	§98.256(k)(3)	For delayed coking units: Dimensions of coke drum or vessel.	Y-18
Y	§98.256(k)(3)	For delayed coking units: Typical gauge pressure of the coking drum when first vented to the atmosphere.	Y-18
Y	§98.256(k)(3)	For delayed coking units: Typical void fraction of coke drum or vessel.	Y-18
Y	§98.256(k)(3)	For delayed coking units: Annual number of coke-cutting cycles of coke drum or vessel.	Y-18
Y	§98.256(k)(3)[2]	For delayed coking units: report the molar volume conversion factor for each coke drum or vessel.	Y-18
Y	§98.256(k)(4)	For delayed coking units: Height and diameter of the coke drums.	Y-18
Y	§98.256(k)(4)	For delayed coking units: Cumulative number of vessel openings for all delayed coking drums in the set.	Y-18
Y	§98.256(k)(4)	For delayed coking units: Typical venting pressure.	Y-18
Y	§98.256(k)(4)	For delayed coking units: Void fraction.	Y-18
Y	§98.256(l)(5)[2]	For each process vent: Molar volume conversion factor.	Y-19
Y	§98.256(m)(3)	Uncontrolled blowdown systems reporting under §98.253 (k): CH_4 emission factor used.	Y-20
Y	§98.256(m)(3)[2]	Uncontrolled blowdown systems reporting under §98.253 (k): Molar volume conversion factor.	Y-20
Y	§98.256(m)(3)	Uncontrolled blowdown systems reporting under §98.253 (k): Total quantity of crude oil plus the quantity of intermediate products received from off-site that are processed at the facility in the reporting year.	Y-20
Y	§98.256(o)(2)(ii)	Total quantity of crude oil plus the quantity of intermediate products received from off-site that are processed at the facility in the reporting year.	Y-22
Y	§98.256(o)(4)(ii)	For storage tanks that process unstabilized crude oil: Quantity of unstabilized crude oil received during the calendar year.	Y-23
Y	§98.256(o)(4)(iii)	For storage tanks that process unstabilized crude oil: Average pressure differential.	Y-23
Y	§98.256(o)(4)(iv)[2]	For storage tanks that process unstabilized crude oil: Molar volume conversion factor.	Y-23

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
Y	§98.256(o)(4)(v)	For storage tanks that process unstabilized crude oil: Average Mole fraction of CH_4 in vent gas from the unstabilized crude oil storage tanks.	Y-23
Y	§98.256(o)(6)	Mole fraction of CH_4 in vent gas from the unstabilized crude oil storage tank.	Y-23
Y	§98.256(o)(6)	Average pressure differential.	Y-23
Y	§98.256(o)(6)	Quantity of unstabilized crude oil received during the calendar year.	Y-23
Y	§98.256(o)(7)	Tank-specific methane composition data.	Used in methods specified in §98.253(m)(2)
Y	§98.256(o)(7)	Gas generation rate data.	Used in methods specified in §98.253(m)(2)
Y	§98.256(p)(2)	For loading operations: Quantity of materials loaded by vessel type that have an equilibrium vapor-phase concentration of CH_4 of 0.5 volume percent or greater.	Used in methods specified in AP-42, Section 5.2 (referenced by §98.253(n))
Z	§98.266(f)(5)	Monthly inorganic carbon content of phosphate rock for each wet-process phosphoric acid process line for which Equation Z-1a is used (percent by weight, expressed as decimal fraction) (No CEMS).	Z-1a
Z	§98.266(f)(5)	Monthly CO_2 (ton CO_2/ton of phosphate rock) for which Equation Z-1b is used (No CEMS).	Z-1b
Z	§98.266(f)(6)	Monthly mass of phosphate rock consumed by origin in production.	Z-1a
Z	§98.266(f)(6)	Monthly mass of phosphate rock consumed by origin in production.	Z-1b
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery furnaces.	C-1
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery furnaces.	C-1a
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery furnaces.	C-1b
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery furnaces.	C-2a
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery furnaces.	C-3
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery combustion units.	C-4
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery combustion units.	C-5
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery combustion units.	C-8
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery combustion units.	C-8a
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery combustion units.	C-8b
AA	§98.276(b)	Annual quantities of fossil fuels used in chemical recovery combustion units.	C-9a
AA	§98.276(c)	Annual mass of the spent liquor solids combusted.	AA-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
AA	§98.276(c)	Annual mass of the spent liquor solids combusted.	AA-2
AA	§98.276(d)	High heat value (HHV) of the spent liquor solids used in Equation AA-1.	AA-1
AA	§98.276(f)	Carbon content of the spent liquor solids used in Equation AA-2.	AA-2
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-1
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-1a
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-1b
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-2a
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-3
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-4
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-5
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-8
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-8a
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-8b
AA	§98.276(g)	Annual quantities of fossil fuels used in pulp mill lime kilns.	C-9a
AA	§98.276(h)	Make-up quantity of $CaCO_3$ used for the reporting year used in Equation AA-3.	AA-3
AA	§98.276(i)	Make-up quantity of Na_2CO_3 used for the reporting year used in Equation AA-3.	AA-3
BB	§98.286(b)(1)	Monthly consumption of petroleum coke (No CEMS).	BB-2
BB	§98.286(b)(4)	Carbon content factor of petroleum coke from the supplier or as measured by the applicable method.	BB-1
BB	§98.286(b)(6)	CO_2 emissions factor for each month.	BB-2
CC	§98.296(b)(5)	Monthly consumption of trona or liquid alkaline feedstock for each manufacturing line (No CEMS) (for facilities using Equation CC-1).	CC-1
CC	§98.296(b)(6)	Monthly production of soda ash for each manufacturing line (tons) (for facilities using Equation CC-2).	CC-2
CC	§98.296(b)(7)	Inorganic carbon content factor of soda ash.	CC-1
CC	§98.296(b)(7)	Inorganic carbon content factor of trona .	CC-2
EE	§98.316(b)(6)	Monthly calcined petroleum coke consumption for each production line (No CEMS).	EE-2
EE	§98.316(b)(9)	Monthly carbon content factor of petroleum coke (percent by weight expressed as a decimal fraction) (No CEMS).	EE-2
GG	§98.336(b)(6)	Annual mass of each carbon-containing input material charged to each kiln or furnace (No CEMS) - Mass of zinc bearing material.	GG-1
GG	§98.336(b)(6)	Annual mass of each carbon-containing input material charged to each kiln or furnace (No CEMS) - Annual mass of flux materials (e.g., limestone, dolomite) charged to kiln or furnace “k” (tons).	GG-1
GG	§98.336(b)(6)	Annual mass of each carbon-containing input material charged to each kiln or furnace (No CEMS) - Annual mass of carbon electrode consumed in furnace “k”.	GG-1

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
GG	§98.336(b)(6)	Annual mass of each carbon-containing input material charged to each kiln or furnace (No CEMS) - Annual mass of other carbonaceous material consumed in furnace "k".	GG-1
GG	§98.336(b)(7)	Carbon content of carbon-containing input materials charged to kilns or furnace (including zinc bearing material, flux materials, and other carbonaceous materials) from the annual carbon analysis or from information provided by the material supplier) for each kiln or furnace (percent by weight, expressed as a decimal fraction) (No CEMS) - zinc bearing material.	GG-1
GG	§98.336(b)(7)	Carbon content of carbon-containing input materials charged to kilns or furnace (including zinc bearing material, flux materials, and other carbonaceous materials) from the annual carbon analysis or from information provided by the material supplier) for each kiln or furnace (percent by weight, expressed as a decimal fraction) (No CEMS) - flux materials.	GG-1
GG	§98.336(b)(7)	Carbon content of carbon-containing input materials charged to kilns or furnace (including zinc bearing material, flux materials, and other carbonaceous materials) from the annual carbon analysis or from information provided by the material supplier) for each kiln or furnace (percent by weight, expressed as a decimal fraction) (No CEMS) - other carbonaceous materials.	GG-1
GG	§98.296(b)(10)	Carbon content of the carbon electrodes used in each furnace from the annual carbon analysis or from information provided by the material supplier) (percent by weight, expressed as a decimal fraction) (No CEMS).	GG-1
TT	§98.466(c)(3)(i)	Total number of years (N) for which disposal and production data are both available.	TT-2
TT	§98.466(c)(3)(ii)	The waste disposal quantity for each year used in Equation TT–2 of this subpart to calculate the average waste disposal factor (WDF).	TT-2
TT	§98.466(c)(3)(iii)	Average waste disposal factor (WDF) calculated for the waste stream.	TT-3

[1] Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid include stationary fuel combustion sources (e.g., individual units, aggregations of units, common pipes, or common stacks) subject to subpart C of Part 98 that meet the following criteria: (1) the stationary fuel combustion source contains at least one combustion unit connected to a fuel-fired electric generators that has been granted access by the Public Utilities Commission to deliver power to the local or regional electric power grid (excluding electric generators that are connected to combustion units subject to subpart D of Part 98); and (2) the stationary fuel combustion source is located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output.
[2] Data element would not be useful for data verification and would not inform future GHG policy development, in the absence of other data elements included in this table for which we are proposing to remove the reporting requirement.
[3] This table excludes the five subpart V "inputs to equations" data elements in §98.226(c) (included in Table A-7 of subpart A of part 98). In its memorandum "Evaluation of Competitive Harm from Disclosure of "Inputs to Equations" Data Elements Deferred to March 31, 2015" (refer to docket EPA-HQ-OAR-2010-0929), EPA identified these five "inputs to equations" data elements as production or raw material data, which were identified as having disclosure concerns. Based on these analysis results, EPA would have included these data elements in this table as part of its proposal to remove reporting of these data; however, EPA has excluded the data elements from this table because §98.226(c) is already removed from Subpart V. §98.226(c) was inadvertently removed and reserved in conjunction with the 2010 technical corrections rulemaking (75 FR 79157, December 17, 2010); based on the results of its analysis, EPA is not taking any action to reinstate this provision.

Table 2. List of "Inputs to Equations" Data Elements That EPA is Not Amending Under the Proposed Revisions to Part 98 (i.e., Data Elements Would Be Reported)

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.3(d)(3)(v)	For any facility who submitted an abbreviated emissions report under §98.3(d)(3)(v), any facility operating data or process information used for the GHG emission calculations.	
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(b)(9)(iii)	Estimate of the heat input from each type of fuel listed in Table C-2 that was combusted in the unit during the report year.	C-10
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(c)(2)(ix)	The flue gases from two or more stationary fuel combustion units at a facility are combined together and discharged through a common stack or duct before exiting to the atmosphere and if CEMS are used to continuously monitor CO_2 mass emissions at the common stack or duct according to the Tier 4 Calculation Methodology, you may report the combined emissions from the units sharing the common stack or duct, in lieu of separately reporting the GHG emissions from the individual units. This monitoring and reporting alternative may also be used when process off-gases or a mixture of combustion products and process gases are combined together in a common stack or duct before exiting to the atmosphere. An estimate of the heat input from each type of fuel listed in Table C-2 combusted during the reporting year.	C-10
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-1
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-1a
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-1b

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(i)	Total quantity of each type of fuel combusted in each unit or group of aggregated units (as applicable) during the reporting year, in short tons for solid fuels, gallons for liquid fuels and standard cubic feet for gaseous fuels, or, if applicable, therms or mmBtu for natural gas.	C-8
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(ii)(A)	For Tier 2: Total quantity of each type of fuel combusted in the unit or group of aggregated units (as applicable) during each month of the reporting year. Express the quantity of each fuel combusted during the measurement period in short tons for solid fuels, gallons for liquid fuels, and scf for gaseous fuels.	C-2b
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(ii)(C)	High heat values used in the CO_2 emissions calculations for each fuel combusted during the reporting year. Report a HHV value for each calendar month in which HHV determination is required. If multiple values are obtained in a given month, report the arithmetic average value for the month.	C-2b
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(ii)(D)	If Eq. C-2c is used: Total quantity (i.e., pounds) of steam produced from MSW or solid fuel combustion during each month of the reporting year.	C-2c
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(ii)(D)	If Eq. C-2c is used: Ratio of the maximum rate heat input capacity to the design rated steam output capacity of the unit.	C-2c
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-13

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-3
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-4
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-5
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-8
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-8a
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(A)	Quantity of each type of fuel combusted in the unit or group of units (as applicable) during each month of the reporting year (Fuel).	C-8b

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(C)	The carbon content used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month. (CC)	C-3
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(C)	The carbon content used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month. (CC)	C-4
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(C)	The carbon content used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month. (CC)	C-5
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(C)	Gas molecular weight values used in the emission calculations (including both valid and substitute data values). For each calendar month of the reporting year in which carbon content and, if applicable, molecular weight determination is required, report a value of each parameter. If multiple values of a parameter are obtained in a given month, report the arithmetic average value for the month.	C-5
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(iv)(F)	The annual average HHV, when measured HHV data, rather than a default HHV from Table C-1 of this subpart, are used to calculate CH4 and N2O emissions for a Tier 3 unit, in accordance with §98.33(c)(1).	C-8
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(ix)(D)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report the carbon-based F-factor used in Equation C-13 of this subpart.	C-13
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(ix)(E)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report the annual average HHV value used in Equation C-13 of this subpart.	C-13

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
C (Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid)[1]	§98.36(e)(2)(ix)(F)	For units that combust both fossil fuel and biomass, when biogenic CO_2 is determined according to §98.33(e)(2), report the total quantity of fossil fuel combusted during the reporting year.	C-13
E	§98.56(g)	Abatement technology destruction efficiency for each abatement technology (DF).	E-3a
E	§98.56(g)	Abatement technology destruction efficiency for each abatement technology (DF).	E-3b
E	§98.56(g)	Abatement technology destruction efficiency for each abatement technology (DF).	E-3c
E	§98.56(h)	Abatement utilization factor for each abatement technology (AF).	E-3a
E	§98.56(h)	Abatement utilization factor for each abatement technology. (AF)	E-3b
E	§98.56(h)	Abatement utilization factor for each abatement technology (AF).	E-3c
E	§98.56(j)(4)	N_2O concentration per test run during performance test for each unit (CN2O).	E-1
E	§98.56(j)(5)	Volumetric flow rate per test run during performance test for each unit (Q).	E-1
E	§98.56(j)(6)	Number of test runs for each unit (n).	E-1
E	§98.56(l)	Fraction control factor for each abatement technology (percent of total emissions from the production unit that are sent to the abatement technology) if equation E-3c is used. (FC_N)	E-3c
H	§98.86(b)(11)	Quarterly kiln-specific CKD CO_2 emission factors for each kiln.	H-2
H	§98.86(b)(13)	Name of raw kiln feed or raw material.	
L	§98.126(b)(10)[2]	The fraction of the mass emitted that consists of each fluorine-containing reactant (FERd).	L-11
L	§98.126(b)(10)[2]	The fraction of the mass emitted that consists of each fluorine-containing reactant. (FERd).	L-12
L	§98.126(b)(10)[2]	The fraction of the mass emitted that consists of each fluorine-containing reactant (FERd).	L-13
L	§98.126(b)(11)[2]	The fraction of the mass emitted that consists of the fluorine-containing product (FEP).	L-11
L	§98.126(b)(11)[2]	The fraction of the mass emitted that consists of the fluorine-containing product. (FEP)	L-12
L	§98.126(b)(11)[2]	The fraction of the mass emitted that consists of the fluorine-containing product. (FEP).	L-13
L	§98.126(b)(12)[2]	The fraction of the mass emitted that consists of each fluorine-containing by-product (FEBk).	L-11
L	§98.126(b)(12)[2]	The fraction of the mass emitted that consists of each fluorine-containing by-product. (FEBk)	L-12
L	§98.126(b)(12)[2]	The fraction of the mass emitted that consists of each fluorine-containing by-product. (FEBk)	L-13
O	§98.156(d)(2)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report concentration (mass fraction) of HFC-23 at the outlet of the destruction device.	No Equation - Used to calculate Destruction Efficiency

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
O	§98.156(d)(3)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report flow rate at the outlet of the destruction device in kg/hr.	No Equation - Used to calculate Destruction Efficiency
O	§98.156(d)(4)	If the HFC-23 concentration measured pursuant to §98.154(l) is greater than that measured during the performance test that is the basis for the destruction efficiency (DE), report emission rate (in kg/hour) calculated from the paragraphs (d)(2) and (d)(3) of this section.	No Equation - Used to calculate Destruction Efficiency
Q	§98.176(f)(1)	Measured average hourly CO_2 emission rate during the test (No CEMS).	No Equation - Used as input to method described in §98.173(b)(2)(iii).
V	§98.226(i)	Abatement technology destruction efficiency (DF).	V-3a
V	§98.226(i)	Abatement technology destruction efficiency (DF).	V-3b
V	§98.226(i)	Abatement technology destruction efficiency (DF).	V-3c
V	§98.226(j)	Abatement utilization factor (AF).	V-3a
V	§98.226(j)	Abatement utilization factor (AF).	V-3b
V	§98.226(j)	Abatement utilization factor (AF).	V-3c
V	§98.226(m)(4)	N_2O concentration per test run during performance test for each train.	V-1
V	§98.226(m)(5)	Volumetric flow rate per test run during performance test each train.	V-1
V	§98.226(m)(6)	Number of test runs during performance test each train.	V-1
V	§98.226(p)	Fraction control factor for each abatement technology (percent of total emissions from the production unit that are sent to the abatement technology) if equation V-3c is used.	V-3c
W	98.236(c)(1)(i)	Actual count of natural gas pneumatic high bleed devices.	W-1
W	98.236(c)(1)(i)	Estimated count of natural gas pneumatic high bleed devices.	W-1
W	98.236(c)(1)(ii)	Actual count of natural gas pneumatic low bleed devices.	W-1
W	98.236(c)(1)(ii)	Estimated count of natural gas pneumatic low bleed devices.	W-1
W	98.236(c)(1)(iii)	Actual count of natural gas pneumatic intermittent bleed devices.	W-1
W	98.236(c)(1)(iii)	Estimated count of natural gas pneumatic intermittent bleed devices.	W-1
W	98.236(c)(2)(i)	Count of natural gas driven pneumatic pumps.	W-2
W	98.236(c)(3)(i)	Total throughput of each acid gas removal unit using a meter or engineering estimate based on process knowledge or best available data.	W-3
W	98.236(c)(3)(ii)	For Calculation Methodology 2 of §98.233(d), annual average fraction of CO2 content in the vent from each acid gas removal unit.	W-3

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
W	98.236(c)(3)(iii)	For Calculation Methodology 3 of §98.233(d), annual average volume fraction of CO2 content of natural gas into each acid gas removal unit.	W-4A
W	98.236(c)(3)(iii)	For Calculation Methodology 3 of §98.233(d), annual average volume fraction of CO2 content of natural gas into each acid gas removal unit.	W-4B
W	98.236(c)(3)(iii)	For Calculation Methodology 3 of §98.233(d), annual average volume fraction of CO2 content of natural gas out of each acid gas removal unit.	W-4A
W	98.236(c)(3)(iii)	For Calculation Methodology 3 of §98.233(d), annual average volume fraction of CO2 content of natural gas out of each acid gas removal unit.	W-4B
W	98.236(c)(3)(iv)	Annual quantity of CO2, that was recovered from each acid gas removal unit and transferred outside the facility (metric tons CO2e), under subpart PP of this part.	98.233(d)(11)
W	98.236(c)(4)(i)(A)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Glycol dehydrator feed natural gas flow rate in MMscfd, determined by engineering estimate based on best available data.	Methodology 1
W	98.236(c)(4)(i)(B)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Glycol dehydrator absorbent circulation pump type.	Methodology 1
W	98.236(c)(4)(i)(C)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Report whether stripper gas is used in glycol dehydrator.	Methodology 1
W	98.236(c)(4)(i)(D)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Report whether a flash tank separator is used in glycol dehydrator.	Methodology 1
W	98.236(c)(4)(i)(E)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Report type of absorbent.	Methodology 1
W	98.236(c)(4)(i)(F)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Total time the glycol dehydrator is operating in hours.	Methodology 1
W	98.236(c)(4)(i)(G)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Temperature of the wet natural gas (degrees Fahrenheit).	Methodology 1
W	98.236(c)(4)(i)(G)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Pressure of the wet natural gas (psig).	Methodology 1
W	98.236(c)(4)(i)(H)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Concentration of CO2 in wet natural gas.	Methodology 1
W	98.236(c)(4)(i)(H)	For each glycol dehydrator with throughput greater than or equal to 0.4 MMscfd: Concentration of CH4 in wet natural gas.	Methodology 1
W	98.236(c)(4)(ii)(A)	For all glycol dehydrator with throughput less than 0.4 MMscfd: Count of glycol dehydrators.	W-5

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
W	98.236(c)(5)(i)(D)	For well venting for liquids unloading, for Calculation Methodology 1, report the following by each tubing diameter group and pressure group combination within each sub-basin category: Average flow rate of the measured well venting (cubic feet per hour).	W-7
W	98.236(c)(5)(ii)(C)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following for each sub-basin category: Cumulative number of unloadings vented to the atmosphere.	W-8
W	98.236(c)(5)(ii)(C)	For well venting for liquids unloading, for Calculation Methodologies 2 and 3, report the following for each sub-basin category: Cumulative number of unloadings vented to the atmosphere.	W-9
W	98.236(c)(6)(i)(B)	For well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, measured flow rate of backflow during well completion (cubic feet per hour).	W-10A
W	98.236(c)(6)(i)(D)	For well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, measured flow rate of backflow during well workover (cubic feet per hour).	W-12
W	98.236(c)(6)(i)(E)	For well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, total number of days of backflow from all wells during completions.	W-10A
W	98.236(c)(6)(i)(F)	For well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: When using Equation W-10A, total number of days of backflow from all wells during workovers.	W-10A
W	98.236(c)(6)(i)(G)	For well completions and workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: The amount of gas recovered to sales using engineering estimate based on best available data.	W-10A
W	98.236(c)(6)(i)(H)	For well workovers with hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: The amount of gas recovered to sales using engineering estimate based on best available data.	W-10A
W	98.236(c)(6)(ii)(A)	For well completions and workovers without hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Total count of completions in calendar year.	W-13
W	98.236(c)(6)(ii)(B)	For well completions and workovers without hydraulic fracturing, report the following for each sub-basin and well type (horizontal or vertical) combination: Total count of workovers in calendar year that flare gas or vent gas to the atmosphere.	W-13
W	98.236(c)(7)(i)(A)	For blowdown vent stack emission source, for each unique physical volume that is blown down more than once during the calendar year: Total number of blowdowns for each unique physical volume in the calendar year. (when using Eq. W-14A)	W-14A

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
W	98.236(c)(8)(i)(F)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Total volume of oil from all wellhead separators sent to tank(s) in barrels per year.	Methodology 1 (see 98.236j2)
W	98.236(c)(8)(i)(F)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 and 2 of 40 CFR 98.233(j), report by sub-basin category: Total volume of oil from all wellhead separators sent to tank(s) in barrels per year.	Methodology 2 (see 98.233j1)
W	98.236(c)(8)(i)(K)	For wellhead gas-liquid separator with oil throughput greater than or equal to 10 barrels per day, using Calculation Methodology 1 of 40 CFR 98.233(j), report by sub-basin category: Annual CO2 gas quantities that were recovered (metric tons CO2e), for all wellhead gas-liquid separators or storage tanks using Calculation Methodology 1 of §98.233(j).	98.233(j)(6)(i)
W	98.236(c)(8)(ii)(A)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Total volume of sales oil from all wells (barrels per year).	Methodology 3 and 4 (see 98.233(j)(3) and (j)(4))
W	98.236(c)(8)(ii)(H)	For wells with oil production greater than or equal to 10 barrels per day, using Calculation Methodology 3 and 4 of 40 CFR 98.233(j), report the following by sub-basin category: Annual CO2 gas quantities that were recovered (metric tons CO2e), for Calculation Methodology 3 or 4 of §98.233(j).	98.233(j)(6)(i)
W	98.236(c)(8)(iii)(A)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Number of wellhead separators.	W-15
W	98.236(c)(8)(iii)(B)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W–15 of 40 CFR 98.233: Number of wells without wellhead separators.	W-15
W	98.236(c)(8)(iii)(G)	For wellhead gas-liquid separators and wells with throughput less than 10 barrels per day, using Calculation Methodology 5 of 40 CFR 98.233(j) Equation W-15 of 40 CFR 98.233: Annual CO2 gas quantities that were recovered (metric tons CO2e), at the sub-basin level for Calculation Methodology 5 of §98.233(j).	98.233(j)(6)(i)
W	98.236(c)(12)(ii)	For flare stacks: Volume of gas sent to flare (cubic feet per year).	W-19
W	98.236(c)(12)(ii)	For flare stacks: Volume of gas sent to flare (cubic feet per year).	W-20
W	98.236(c)(12)(ii)	For flare stacks: Volume of gas sent to flare (cubic feet per year).	W-21
W	98.236(c)(12)(v)	For flare stacks: Flare combustion efficiency.	W-19
W	98.236(c)(12)(v)	For flare stacks: Flare combustion efficiency.	W-21
W	98.236(c)(13)(i)(E)	For compressors with wet seals in operational mode: Reporter emission factor for wet seal oil degassing vents in cubic feet per hour (refer to Equation W-24 of 40 CFR 98.233).	W-23
W	98.236(c)(13)(i)(F)	For compressors with wet seals in operational mode: Total time the compressor is operating (hours).	W-22
W	98.236(c)(13)(i)(F)	For compressors with wet seals in operational mode: Total time the compressor is operating (hours).	W-23

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
W	98.236(c)(13)(ii)(A)	For wet and dry seal centrifugal compressors in operating mode: Total time the compressor is in operating mode (hours).	W-23
W	98.236(c)(13)(ii)(B)	For wet and dry seal centrifugal compressors in operating mode: Reporter emission factor for blowdown vents (cubic feet per hour).	W-23
W	98.236(c)(13)(iii)(A)	For wet and dry seal centrifugal compressors: Total time the compressor is in shutdown, depressurized mode (hours).	W-22
W	98.236(c)(13)(iii)(A)	For wet and dry seal centrifugal compressors: Total time the compressor is in shutdown, depressurized mode (hours).	W-23
W	98.236(c)(13)(iii)(B)	For wet and dry seal centrifugal compressors: Reporter emission factor for isolation valve emissions in shutdown, depressurized mode (cubic feet per hour).	W-23
W	98.236(c)(13)(v)(A)	For centrifugal compressors in onshore petroleum and natural gas production: Count of compressors.	W-25
W	98.236(c)(14)(i)(B)	For reciprocating compressors rod packing emissions with or without a vent in operating mode: Total time the reciprocating compressor is in operating mode (hours).	W-26
W	98.236(c)(14)(i)(B)	For reciprocating compressors rod packing emissions with or without a vent in operating mode: Total time the reciprocating compressor is in operating mode (hours).	W-27
W	98.236(c)(14)(ii)(A)	For reciprocating compressors blowdown vents not manifold to rod packing vents, in operating and standby pressurized mode: Total time the compressor is in standby, pressurized mode (hours).	W-26
W	98.236(c)(14)(ii)(A)	For reciprocating compressors blowdown vents not manifold to rod packing vents, in operating and standby pressurized mode: Total time the compressor is in standby, pressurized mode (hours).	W-27
W	98.236(c)(14)(ii)(B)	For reciprocating compressors blowdown vents not manifold to rod packing vents, in operating and standby pressurized mode: Emission factor for blowdown vents (cubic feet per hour).	W-27
W	98.236(c)(14)(iii)(A)	For reciprocating compressors: Total time the compressor is in not operating, depressurized mode.	W-26
W	98.236(c)(14)(iii)(A)	For reciprocating compressors: Total time the compressor is in not operating, depressurized mode.	W-27
W	98.236(c)(14)(iii)(B)	For reciprocating compressors: Reporter emission factor for isolation valve emissions in not operating, depressurized mode.	W-27
W	98.236(c)(14)(v)(A)	For reciprocating compressors in onshore petroleum and natural gas production: Count of compressors.	W-29
W	98.236(c)(15)(ii)(A)	For equipment leaks calculated using population counts and factors (refer to §98.233(r)), report the following: For source categories 40 CFR 98.230(a)(4), (a)(5), (a)(6), (a)(7), and (a)(8) total count for each type of leak source in Tables W-2, W-3, W-4, W-5, and W-6 of this subpart for which there is a population emission factor, listed by major heading and component type.	W-31
W	98.236(c)(15)(ii)(B)	For equipment leaks calculated using population counts and factors (refer to §98.233(r)), report the following: For equipment leaks calculated using population counts and factors: For onshore production (refer to 40 CFR 98.230 paragraph (a)(2)), total count for each type of major equipment in Table W-1B and Table W-1C of this subpart, by sub-basin category.	W-31

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
W	98.236(c)(16)(viii)	For local distribution companies: Leak factor for meter/regulator run developed in Equation W-32 of §98.233.	W-31
W	98.236(c)(16)(ix)	For local distribution companies: Number of miles of unprotected steel distribution mains.	W-31
W	98.236(c)(16)(x)	For local distribution companies: Number of miles of protected steel distribution mains.	W-31
W	98.236(c)(16)(xi)	For local distribution companies: Number of miles of plastic distribution mains.	W-31
W	98.236(c)(16)(xii)	For local distribution companies: Number of miles of cast iron distribution mains.	W-31
W	98.236(c)(16)(xiii)	For local distribution companies: Number of unprotected steel distribution services.	W-31
W	98.236(c)(16)(xiv)	For local distribution companies: Number of protected steel distribution services.	W-31
W	98.236(c)(16)(xv)	For local distribution companies: Number of plastic distribution services.	W-31
W	98.236(c)(16)(xvi)	For local distribution companies:Number of copper distribution services.	W-31
W	98.236(c)(17)(ii)	For each EOR injection pump blowdown: Volume of critical phase gas between isolation valves.	W-37
W	98.236(c)(17)(iii)	For each EOR injection pump blowdown: Number of blowdowns per year.	W-37
W	98.236(c)(17)(iv)	For each EOR injection pump blowdown: Critical phase EOR injection gas density.	W-37
W	98.236(c)(18)(i)	For EOR hydrocarbon liquids dissolved CO2 for each sub-basin category: Volume of crude oil produced (barrels per year).	W-38
W	98.236(c)(18)(ii)	For EOR hydrocarbon liquids dissolved CO2 for each sub-basin category: Amount of CO2 retained in hydrocarbon liquids (metric tons per barrel), under standard conditions.	W-38
W	98.236(c)(19)(iv)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr, by fuel type.	W-39A
W	98.236(c)(19)(iv)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr, by fuel type.	W-39B
W	98.236(c)(19)(iv)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in external fuel combustion units with a rated heat capacity larger than 5 mmBtu/hr, by fuel type.	W-40
W	98.236(c)(19)(vii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in internal combustion units with a rated heat capacity larger than 1 mmBtu/hr or 130 horsepower, by fuel type.	W-39A
W	98.236(c)(19)(vii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in internal combustion units with a rated heat capacity larger than 1 mmBtu/hr or 130 horsepower, by fuel type.	W-39B

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
W	98.236(c)(19)(vii)	For onshore petroleum and natural gas production and natural gas distribution combustion emissions: Cumulative volume of fuel combusted in internal combustion units with a rated heat capacity larger than 1 mmBtu/hr or 130 horsepower, by fuel type.	W-40
Y	§98.256(h)(5)	Value of the correction.	If a correction for CO2 emissions in the tail gas was used in Eq. Y-12, used in method specified in §98.253(f)(5)
Y	§98.256(k)(4)	For delayed coking units: Mole fraction of methane in coking gas.	Y-18
Y	§98.256(n)(3)	For equipment leaks: Number of each type of emission source listed in Equation Y-21 (if using Eq. Y-21).	Y-21
Y	§98.256(o)(4)(vi)	If you did not use Equation Y-23: report the gas generation rate data used to estimate cumulative CH4 emissions for storage tanks used to process unstabilized crude oil.	Used in methods specified in §98.253(m)(2)
Y	§98.256(o)(4)(vi)	If you did not use Equation Y-23: report the tank-specific methane composition data used to estimate cumulative CH4 emissions for storage tanks used to process unstabilized crude oil.	Used in methods specified in §98.253(m)(2)
AA	§98.276(e)	Default or site specific emission factor for CO_2 used in equation AA-1.	AA-1
AA	§98.276(e)	Default or site specific emission factor for CH_4 used in equation AA-1.	AA-1
AA	§98.276(e)	Default or site specific emission factor for N_2O used in equation AA-1.	AA-1
CC	§98.296(b)(10)(i)	Stack gas volumetric flow rate during performance test (dscfm) for each manufacturing line or stack.	CC-3
CC	§98.296(b)(10)(ii)	Hourly CO_2 concentration during performance test (percent CO_2) for each manufacturing line or stack.	CC-3
CC	§98.296(b)(10)(iii)	CO_2 emission factor of process vent flow from mine water for each manufacturing line or stack.	CC-5
CC	§98.296(b)(10)(iv)	CO_2 emission mass emission rate during performance test (metric tons/hour) for each manufacturing line or stack.	CC-4
CC	§98.296(b)(10)(v)	Average process vent flow from mine water stripper/evaporator during performance test for each manufacturing line or stack.	CC-4
CC	§98.296(b)(10)(vi)	Annual process vent flow rate from mine stripper/evaporator for each manufacturing line or stack.	CC-5
II	§98.356(d)(2)	Cumulative volumetric biogas flow for each week that biogas is collected for destruction (if using weekly sampling).	II-4
II	§98.356(d)(3)	Weekly average CH4 concentration for each week that biogas is collected for destruction (if using weekly sampling).	II-4
II	§98.356(d)(4)	Weekly average temperature at which flow is measured for biogas collected for destruction (if using weekly sampling).	II-4

Subpart	Rule Citation in 40 CFR Part 98	Data Element Description	Data Element is used as Input to Equation . . .
II	§98.356(d)(5)	Weekly average moisture content for each week at which flow is measured for biogas collected for destruction (if using weekly sampling).	II-4
II	§98.356(d)(6)	Weekly average pressure for each week at which flow is measured for biogas collected for destruction (if using weekly sampling).	II-4

[1] Stationary fuel combustion sources connected to certain electric generators connected to the local or regional power grid include stationary fuel combustion sources (e.g., individual units, aggregations of units, common pipes, or common stacks) subject to subpart C of Part 98 that meet the following criteria: (1) the stationary fuel combustion source contains at least one combustion unit connected to a fuel-fired electric generators that has been granted access by the Public Utilities Commission to deliver power to the local or regional electric power grid (excluding electric generators that are connected to combustion units subject to subpart D of Part 98); and (2) the stationary fuel combustion source is located at a facility for which the sum of the nameplate capacities for all such electric generators is greater than or equal to 1 megawatt electric output.

[2] Reporting of this data element will be addressed under a separate EPA rulemaking; therefore, EPA is taking no action on this data element under this rulemaking.