

2.9 NSPS Subpart TTTT Compliance Reports

NSPS Subpart TTTT Compliance Reports Overview

If your EGU is subject to the NSPS Greenhouse Gas Rule (40 CFR 60 Subpart TTTT), you must begin submitting quarterly compliance reports, if applicable, after you have accumulated 12 operating months of CO₂ emissions data. The initial quarterly report must include the twelfth operating month in the first 12-operating month compliance period.

Each quarterly compliance report must include the applicable information in this section, 2.9. Note that the annual potential and actual energy output and electrical output values are reported only in the report for the fourth calendar quarter.

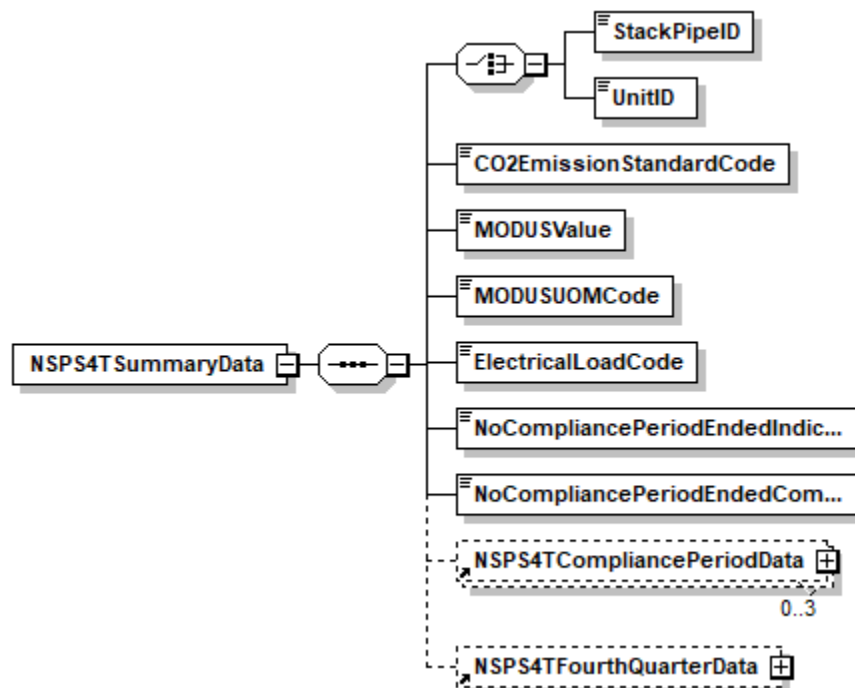
If any month in the calendar quarter is the twelfth operating month in a compliance period, you must also report the applicable information in section 2.9.1 of these instructions for that compliance period.

In the fourth calendar quarter of each year in which you submit quarterly compliance reports, you must also report the applicable information in section 2.9.2 of these instructions.

If your EGU is not subject to the NSPS Greenhouse Gas Rule, do not report any of the data elements in sections 2.9, 2.9.1, or 2.9.2 in your quarterly emissions file.

NSPS Summary Data XML Model

Figure 22: NSPS4T Summary Data XML Elements



NSPS4T Summary Data XML Elements**CO2 Emissions Standard Code (CO2StandardCode)**

Report the code from Table 48, below, which corresponds with the emissions standard from Table 1 or Table 2 of subpart TTTT with which the EGU must comply.

Table 48: CO2 Emissions Standard Codes

Code	Description
NEW640	Newly constructed steam generating unit or integrated gasification combined cycle (IGCC) following the standard in Table 1 of Subpart TTTT: 640 kg CO₂/MWh of gross energy output
RCON910	Reconstructed steam generating unit or IGCC that has base load rating of 2,000 MMBtu/h or less following the standard in Table 1 of Subpart TTTT: 910 kg of CO₂ per MWh of gross energy output
RCON820	Reconstructed steam generating unit or IGCC that has a base load rating greater than 2,000 MMBtu/h following the standard in Table 1 of Subpart TTTT: 820 kg of CO₂ per MWh of gross energy output
MODUS	A modified steam generating unit or IGCC using a unit-specific standard that must be: ≥ 820 kg of CO₂/MWh gross, for units with a base load > 2,000 mmBtu/hr or ≥ 910 kg of CO₂/ MWh gross, for units with a base load ≤ 2,000 mmBtu/hr
CTOUT	Newly constructed or reconstructed stationary combustion turbine that supplies more than its design efficiency or 50 percent, whichever is less, times its potential electric output as net-electric sales on both a 12-operating month and a 3-year rolling average basis, and combusts more than 90% natural gas on a heat input basis on a 12-operating-month rolling average basis following the standard in Table 2 of Subpart TTTT: 450 kg of CO₂ per MWh of gross energy output
CTOLB	Newly constructed or reconstructed stationary combustion turbine that supplies more than its design efficiency or 50 percent, whichever is less, times its potential electric output as net-electric sales on both a 12-operating month and a 3-year rolling average basis, and combusts more than 90% natural gas on a heat input basis on a 12-operating-month rolling average basis following the standard in Table 2 of Subpart TTTT: 1,000 lb of CO₂ per MWh of gross energy output
CTOUTNT	Newly constructed or reconstructed stationary combustion turbine that supplies more than its design efficiency or 50 percent, whichever is less, times its potential electric output as net-electric sales on both a 12-operating month and a 3-year rolling average basis, and combusts more than 90% natural gas on a heat input basis on a 12-operating-month rolling average basis following the standard in Table 2 of Subpart TTTT: 470 kg of CO₂ per MWh of net energy output
CTOLBNT	Newly constructed or reconstructed stationary combustion turbine that supplies more than its design efficiency or 50 percent, whichever is less, times its potential electric output as net-electric sales on both a 12-operating month and a 3-year rolling average basis, and combusts more than 90% natural gas on a heat input basis on a 12-operating-month rolling average basis following the standard in Table 2 of Subpart TTTT: 1,030 lb of CO₂ per MWh of net energy output

Code	Description
CTHING	Newly constructed or reconstructed stationary combustion turbine that supplies its design efficiency or 50 percent, whichever is less, times its potential electric output or less as net-electric sales on either a 12-operating month or a 3-year rolling average basis, and combusts more than 90% natural gas on a heat input basis on a 12-operating-month rolling average basis following the standard in Table 2 of Subpart TTTT: 120 lb CO₂ /mmBtu
CTHIMF	Newly constructed and reconstructed stationary combustion turbine that combusts 90% or less natural gas on a heat input basis on a 12-operating-month rolling average basis, as determined by the procedures in §60.5525 following the standard in Table 2 of Subpart TTTT: 120 lb CO₂/MMBtu) to 160 lb CO₂/MMBtu

MODUS Value (*MODUSValue*)

If the EGU is complying with a unit-specific CO₂ emission standard, report the numeric value of the standard. For all other CO₂ emission standards, leave this field blank.

MODUS Units of Measure Code (*MODUSUOMCode*)

Report the units of measure from Table 49, below, which correspond to the unit-specific CO₂ emission standard.

Table 49: CO₂M Emission Rate Units of Measure Code

Code	Description
KGMWH	kg/MWh
LBMMBTU	lb/MMBTU
LBMWH	lb/MWh

Electrical Load Code (*ElectricalLoadCode*)

Report a code of either “GROSS” or “NET” to indicate if the energy output values used in compliance determination are based solely upon gross or net electrical load.

No Compliance Period Ended Indicator (*NoCompliancePeriodEndedIndicator*)

Indicate if a compliance period ended in the quarter for which the report is being prepared. Use a “1” for yes and “0” for no.

No Compliance Period Ended Comment (*NoCompliancePeriodEndedComment*)

If there are no compliance periods that end in the quarter for which the report is prepared, include a statement to that effect.

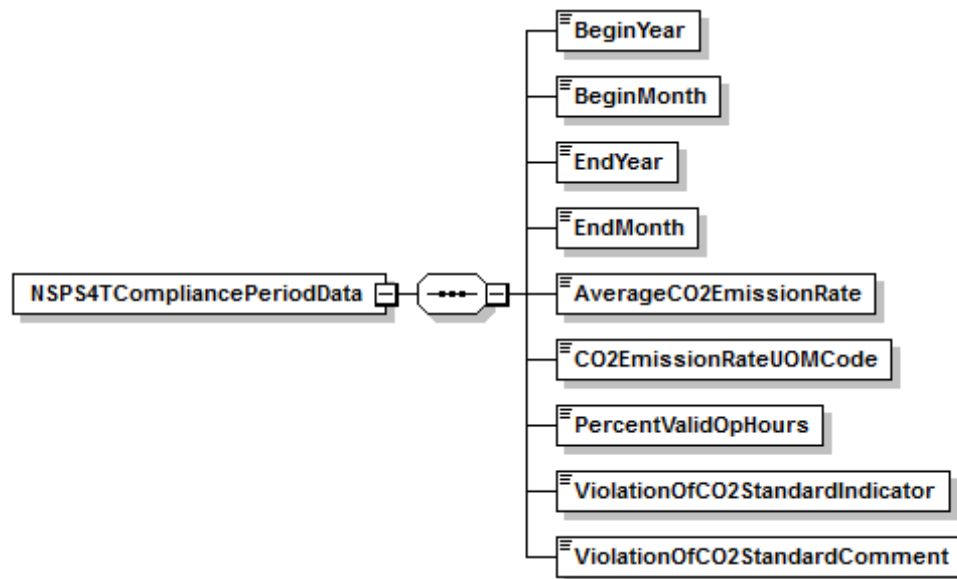
2.9.1 NSPS4T Compliance Period Data

NSPS4T Compliance Period Data Overview

You must report data in the “Compliance Period End” field in each quarterly report. Then, if any month in the calendar quarter is the twelfth operating month in a 12- operating month compliance period, you must report the applicable data elements in this section, 2.9.1, for that compliance period. Do not report these elements if your EGU is not subject to this subpart.

NSPS4T Compliance Period Data XML Model

Figure 23: NSPS4T Compliance Period Data XML Elements



NSPS4T Compliance Period Data XML Elements

Begin Year (*BeginYear*)

Report the year (20xx) in which the first operating month in the compliance period occurred.

Begin Month (*BeginMonth*)

Report the first operating month in the compliance period for which you performed a CO2 mass emissions rate calculation as a numerical value 1-12.

End Year (*EndYear*)

Report the year (20xx) in which the twelfth operating month in the compliance period occurred.

End Month (*EndMonth*)

Report the twelfth operating month in the compliance period for which a CO2 mass emission rate was calculated as a numerical value 1-12.

Average CO2 Emission Rate (*AverageCO2EmissionRate*)

Report the average CO2 mass emissions rate for the compliance period.

CO₂ Emission Rate Units of Measure Code (*CO2EmissionRateUOMCode*)

Indicate the units of measure of the average CO₂ emission rate using the appropriate code from Table 49.

Percent Valid Operating Hours (*PercentValidOpHours*)

Report the percentage of valid operating hours in each 12-month compliance period. If more than one compliance period ends in the quarter, report one PercentValidOpHours for each compliance period.

Violation of CO₂ Standard (*ViolationofCO2StandardIndicator*)

Indicate whether or not the EGU violated the applicable CO₂ emission standard in the compliance period. Report “1” if a violation did occur and “0” if no violation of the standard occurred.

Violation of CO₂ Standard Comment (*ViolationofCO2StandardComment*)

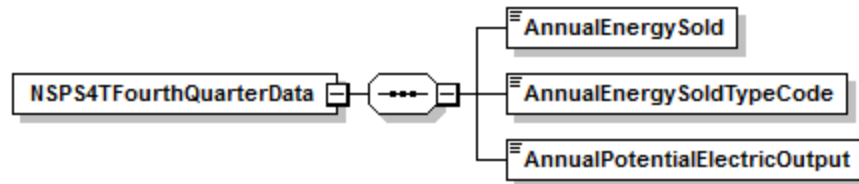
If one or more compliance periods ends in the quarter and there are no violations of the CO₂ emissions standard that occurred for the affected EGU, include a statement indicating this.

2.9.2 NSPS4T Fourth Quarter Data

In the report for the fourth calendar quarter of the year, you must include certain data elements not required in other calendar quarters. Do not report these elements if your EGU is not subject to this subpart.

NSPS4T Fourth Quarter Data XML Model

Figure 24: NSPS4T Fourth Quarter Data XML Elements



NSPS4T Fourth Quarter Data XML Elements

Annual Energy Sold (*AnnualEnergySold*)

In the report for the fourth quarter, report the amount of output sold over the four quarters of the calendar year. Leave this field blank if the report is for any other quarter.

Annual Energy Sold Type Code (*AnnualEnergySoldTypeCode*)

Report a code of either “GROSS” or “NET” to indicate if the annual energy sold to the grid was in terms of gross or net energy for the unit. Leave this field blank if the report is for any other quarter.

Annual Potential Electric Output (*AnnualPotentialElectricOutput*)

In the report for the fourth calendar quarter of each year, report the potential annual electric output of the EGU in the report, in units of megawatt hours (MWh). Leave this field blank for all other quarterly reports.