

General Stationary Fuel Combustion Sources

General Requirements:

- Stationary fuel combustion sources include any equipment that combusts any fuel and includes:
 - Boilers
 - Engines
 - Incinerators
 - Combustion turbines
 - Process heaters
- Portable equipment and permitted emergency generators are excluded
- This section applies if you have a stationary fuel combustion source **and one** of the following applies:
 - Your facility includes one of the 20 listed source categories that automatically trigger applicability [Section 98.2(a)(1)], **or**
 - Your facility emits over 25,000 tonnes per year of CO₂e, **or**
 - Your facility emits over 25,000 tonnes per year of CO₂e, **and** it does not include any listed sources, **and** the combined heat input capacity of all stationary fuel combustion sources is at least 30 mmBtu/hr
 - For this last case, you need to report GHG emissions from stationary fuel combustion sources only

Emissions Determination:

- Generally, CO₂ emissions are either measured using a CEMS or calculated using default or measured fuel properties (heating value or carbon content)
- If a qualified CEMS is available, use it to quantify CO₂ emissions
 - Required if conditions addressing capacity, fuel type, operating history, certification, and permit conditions are met
- If a qualified CEMS is *not* available, calculate CO₂ emissions based on the best available fuel data
 - Combustion units larger than 250 mmBtu/hr must measure fuel carbon content
 - Special methods are provided for combustion of biomass
 - Rule provides default fuel-specific heating values and emission factors

Proposed Greenhouse Gas Reporting Rule Outline

- Emissions of CH₄ and N₂O are calculated using some combination of default or measured fuel heating value, monitored fuel or heat input, and default emission factors
- If a facility includes a fluidized bed boiler or an acid gas sorbent injection system, quantify resulting CO₂ emissions using the provided method

Reporting Requirements:

- General facility-level information as specified
- Unit- and/or group-level information including:
 - Unit ID and type code
 - Fuel(s) combusted during the reporting period
 - Maximum rated heat input capacity
 - Calculated and monitored annual emissions and supporting information
- Verification data

Other Requirements:

- Prepare a written Quality Assurance Plan describing calculation methodology, record retention, emission factors, and CEMs calibrations
- Maintain relevant records for 5 years and make available for auditing by EPA