

Silicon Carbide Production

Subpart BB, Greenhouse Gas Reporting Program

Measure these parameters for each silicon carbide (SiC) production facility:



What Must Be Monitored?

All SiC production facilities:

- ☐ Annual production of SiC (tons).
- ☐ Annual operating hours.
- ☐ Annual production capacity of SiC (tons).

If NOT using a continuous emission monitoring system (CEMS):

For determining the monthly facility-specific emission factor (EF):

- ☐ Carbon (C) content for the petroleum coke consumed each month either from supplier data or as measured by the methods specified in Subpart BB (% by weight).
- ☐ If using supplier data, the annual quality assurance/quality control (QA/QC) analysis of the petroleum coke using methods specified in Subpart BB (% by weight).

For calculating annual carbon dioxide (CO₂) and methane (CH₄) process emissions for each facility:

- ☐ Monthly mass of petroleum coke consumed (tons).

If using a CEMS, in addition to the monitoring requirements under 40 CFR Subpart C for the Tier 4 Calculation Methodology, measure these parameters for each facility:

- ☐ Annual consumption of petroleum coke (tons).



For More Information

For additional information and resources on Subpart BB, please visit the [Subpart BB webpage](#).

This monitoring checklist is provided solely for informational purposes. It does not replace the need to read and comply with the regulatory text contained in the rule. Rather, it is intended to help reporting facilities and suppliers understand key provisions of the GHGRP. It does not provide legal advice; have a legally binding effect; or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits with regard to any person or entity.