

# Silicon Carbide Production Monitoring Checklist



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## Final Rule: Mandatory Reporting of Greenhouse Gases

### *What Must Be Monitored for Each Silicon Carbide Production Facility?*

#### **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)

#### **If NOT using a CEMS, measure these parameters...**

##### **For determining the monthly facility-specific emission factor:**

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- Carbon content for the petroleum coke consumed each month either from supplier data or as measured by the methods specified in subpart BB (percent by weight)
- If using supplier data, the annual QA/QC analysis of the petroleum coke using methods specified in subpart BB (percent by weight)

##### **For calculating annual CO<sub>2</sub> and CH<sub>4</sub> process emissions for each facility:**

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- Monthly mass of petroleum coke consumed (tons)

#### **All silicon carbide facilities measure these parameters...**

- Annual production of silicon carbide (tons)
- Annual production capacity of silicon carbide (tons)
- Annual operating hours

See also the information sheet for Silicon Carbide Production (EPA-430-F-09-040R) at: [www.epa.gov/climatechange/emissions/downloads/infosheets/siliconcarbideproduction.pdf](http://www.epa.gov/climatechange/emissions/downloads/infosheets/siliconcarbideproduction.pdf).

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