

Ferroalloy Production

Subpart K, Greenhouse Gas Reporting Program

Measure these parameters for each electric arc furnace (EAF) monthly unless otherwise noted:



What Must Be Monitored?

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

- Mass of each reducing agent fed, charged, or otherwise introduced into the EAF (tons).
- Carbon (C) content in each reducing agent (% by weight).
- Mass of each C electrode consumed in the EAF (tons).
- C content in each C electrode (% by weight).
- Mass of each ore charged to the EAF (tons).
- C content in each ore (% by weight).
- Monthly production quantity for each ferroalloy product (tons) for each EAF.
- Mass of each flux material fed, charged, or otherwise introduced into the EAF (tons).
- C content in each flux material (% by weight).
- Mass of each alloy product tapped from EAF (tons).
- C content in each alloy product (% by weight).
- Mass of each non-product outgoing material removed from EAF (tons).
- C content in each non-product outgoing material (% by weight).
- Monthly and annual operating hours for each EAF.

For calculating methane (CH₄) process emissions:

- Annual mass of each alloy product listed in Table K-1 produced in the EAF (tons).

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

- Monthly production quantity for each ferroalloy product (tons) for each EAF.
- Monthly and annual operating hours for each EAF.



For More Information

For additional information and resources on Subpart K, please visit the [Subpart K 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.