

Cement Production

Subpart H, Greenhouse Gas Reporting Program

Measure these parameters for each kiln:



What Must Be Monitored?

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

- Monthly clinker production (tons).
- Annual facility cement production (tons).
- Cement kiln dust (CKD) not recycled to the kiln (i.e., discarded) per quarter (tons).
- Monthly total calcium oxide (CaO) content of clinker (weight-fraction (wt-fraction)).
- Monthly total magnesium oxide (MgO) content of clinker (wt-fraction).
- Monthly non-calcined CaO of clinker (wt-fraction).
- Monthly non-calcined MgO of clinker (wt-fraction).
- Quarterly total CaO content of CKD not recycled to the kiln (wt-fraction).
- Quarterly non-calcined CaO content of CKD not recycled to the kiln (wt-fraction).
- Quarterly total MgO content of CKD not recycled to the kiln (wt-fraction).
- Quarterly non-calcined MgO content of CKD not recycled to the kiln (wt-fraction).
- Annual organic carbon (C) content of each raw material or combined raw kiln feed (wt-fraction, dry basis).
- Annual consumption of each raw material or raw kiln feed (tons, dry basis).
- Monthly quantity of raw kiln feed (tons) if using the alternative method in 40 CFR 98.84(d) to determine clinker production.

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

- Annual facility cement production (tons).
- Monthly quantity of raw kiln feed (tons) if using the alternative method in 40 CFR 98.84(d) to determine clinker production.
- Monthly clinker production (tons).



For More Information

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