

Cement Production Monitoring Checklist



Final Rule: Mandatory Reporting of Greenhouse Gases

What Must Be Monitored for Each Kiln?

If using a CEMS:

In addition to the monitoring requirements under 40 CFR subpart C for the Tier 4 Calculation Methodology, measure these parameters...

- | | |
|---|--|
| <input type="checkbox"/> Monthly cement production (tons) | <input type="checkbox"/> Monthly clinker production (tons) |
|---|--|

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

- | | |
|--|---|
| <input type="checkbox"/> Monthly clinker production (tons) | <input type="checkbox"/> Quarterly total CaO content of CKD not recycled to the kiln (wt-fraction) |
| <input type="checkbox"/> Monthly cement production (tons) | <input type="checkbox"/> Quarterly non-calcined CaO content of CKD not recycled to the kiln (wt-fraction) |
| <input type="checkbox"/> Cement kiln dust (CKD) discarded per quarter (tons) | <input type="checkbox"/> Quarterly total MgO content of CKD not recycled to the kiln (wt-fraction) |
| <input type="checkbox"/> Monthly total CaO content of clinker (wt-fraction) | <input type="checkbox"/> Quarterly non-calcined MgO content of CKD not recycled to the kiln (wt-fraction) |
| <input type="checkbox"/> Monthly total MgO content of clinker (wt-fraction) | <input type="checkbox"/> Annual organic carbon content of each raw material (wt-fraction, dry basis) |
| <input type="checkbox"/> Monthly non-calcined CaO of clinker (wt-fraction) | <input type="checkbox"/> Annual consumption of each raw material (tons, dry basis) |
| <input type="checkbox"/> Monthly non-calcined MgO of clinker (wt-fraction) | |

See also the information sheet for Cement Production (EPA-430-F-09-017R) at: www.epa.gov/climatechange/emissions/downloads/infosheets/cementproduction.pdf.

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