Cement Production Monitoring Checklist

‡EPA
United States
Environmental Protection
Agency

Subpart H, Greenhouse Gas Reporting Program

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:

☐ Annual facility cement production (tons)

☐ Monthly clinker production (tons)

☐ Monthly quantity of raw kiln feed (tons) if using the alternative method in 40 CFR 98.84(d) to determine clinker production

If NOT using a CEMS, measure these parameters:

☐ Monthly clinker production (tons)

☐ Quarterly total CaO content of CKD not recycled to the kiln (wt-fraction)

☐ Annual facility cement production (tons)

☐ Quarterly non-calcined CaO content of CKD not recycled to the kiln (wt-fraction)

☐ Cement kiln dust (CKD) not recycled to the kiln (i.e., discarded) per quarter (tons)

☐ Quarterly total MgO content of CKD not recycled to the kiln (wt-fraction)

☐ Monthly total CaO content of clinker (wt-fraction)

☐ Quarterly non-calcined MgO content of CKD not recycled to the kiln (wt-fraction)

☐ Monthly total MgO content of clinker (wt-fraction)

☐ Annual organic carbon content of each raw material or combined raw kiln feed (wt-fraction, dry basis)

☐ Monthly non-calcined CaO of clinker (wt-fraction)

☐ Annual consumption of each raw material or raw kiln feed (tons, dry basis)

☐ Monthly non-calcined MgO of clinker (wt-fraction)

☐ Monthly quantity of raw kiln feed (tons) if using the alternative method in 40 CFR 98.84(d) to determine clinker production

See also the information sheet for Cement Production at:
https://www.epa.gov/ghgreporting/subpart-h-information-sheet.

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