

# Miscellaneous Use of Carbonates



## Proposed Rule: Mandatory Reporting for Greenhouse Gases

*Under the proposed Mandatory Reporting of Greenhouse Gases (GHGs) rule, owners or operators of facilities that emit 25,000 metric tons of GHGs per year from stationary combustion, miscellaneous use of carbonates, and other source categories (see information sheet on General Provisions) would report emissions from the use of carbonates in manufacturing processes and all other source categories located at the facility for which methods are defined in this rule. Owners or operators would collect emission data; calculate GHG emissions; and follow the specified procedures for quality assurance, missing data, recordkeeping, and reporting.*

### How Is This Source Category Defined?

Under the proposal, this source category consists of any facility that is covered by the proposed rule and that uses any form of carbonate in a manufacturing process. Carbonates covered by this rule include but are not limited to limestone, dolomite, ankerite, magnesite, silerite, rhodochrosite, and sodium carbonate.

This subpart does not cover the use of carbonates consumed for producing cement, ferroalloys, glass, iron and steel, lead, lime, pulp and paper, and zinc because these process are covered by other parts of this rule.

### What GHGs Would Be Reported?

The proposal calls for facilities would report carbon dioxide (CO<sub>2</sub>) process emissions aggregated for all miscellaneous carbonate use at the facility.

### How Would GHG Emissions Be Calculated?

Under the proposal, facilities would calculate annual process emissions of CO<sub>2</sub> using an emission factor provided in the rule and the following measurements:

- Annual mass of carbonate consumed, based on whatever methods the facility uses for accounting purposes.
- Fraction calcination achieved, based on either an annual emission test or a value of 1.0.

### What Information Would Be Reported?

In addition to the information required by the General Provisions at 40 CFR 98.3(c) and any other subpart of this rule, the proposal calls for facilities consuming carbonates also to report the following information:

- Annual CO<sub>2</sub> emissions from carbonate use in metric tons.
- Annual carbonate consumption by carbonate type in tons.
- Annual fraction calcinations.
- Average annual mass fraction of carbonate-based mineral in carbonate-based raw material, by carbonate type.

## **For More Information**

This series of information sheets is intended to assist reporting facilities/owners in understanding key provisions of the proposed rule. However, these information sheets are not intended to be a substitution for the rule. Visit EPA's Web site ([www.epa.gov/climatechange/emissions/ghgrulemaking.html](http://www.epa.gov/climatechange/emissions/ghgrulemaking.html)) for more information, including the proposed preamble and rule and additional information sheets on specific industries, or go to [www.regulations.gov](http://www.regulations.gov) to access the rulemaking docket (EPA-HQ OAR-2008-0508). For questions that cannot be answered through the Web site or docket, call 1-877-GHG-1188.