

Soda Ash Manufacturing

Subpart CC, Greenhouse Gas Reporting Program

Measure these parameters for each soda ash manufacturing line:



What Must Be Monitored?

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

Site-specific emission factor (EF) method:

- Process vent flow rate from mine water stripper/evaporator during annual performance test (pounds/hour (lbs/hr)).
- Stack gas volumetric flow rate per minute (dry standard cubic feet per minute (dscfm)).
- Hourly carbon dioxide (CO₂) concentration (% CO₂).

Trona (Na₃(CO₃)(HCO₃)•2(H₂O)) input method (Equation CC-1):

- Monthly inorganic carbon (C) content in trona input by weekly composite analysis (% by weight).
- Monthly mass of trona input (tons).

Soda ash output method (Equation CC-2):

- Monthly inorganic C content in soda ash output by weekly composite analysis (% by weight).
- Monthly mass of soda ash output (tons).

Other parameters:

- Monthly consumption of trona or liquid alkaline feedstock (metric tons).
- Monthly production of soda ash (tons).

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

- Monthly consumption of trona or liquid alkaline feedstock (metric tons).
- Monthly production of soda ash (tons).



For More Information

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