

Soda Ash Manufacturing Monitoring Checklist



Final Rule: Mandatory Reporting of Greenhouse Gases

What Must Be Monitored for Each Soda Ash Manufacturing Line?

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

Site-specific emission factor method:

- | | |
|--|--|
| <input type="checkbox"/> Process vent flow rate from mine water stripper/evaporator during annual performance test (pounds/hour) | <input type="checkbox"/> Hourly carbon dioxide (CO ₂) concentration (percent CO ₂) |
| <input type="checkbox"/> Stack gas volumetric flow rate per minute (dscfm) | <input type="checkbox"/> CO ₂ mass emission rate (metric tons/hour) |

Alternative calculation method:

- | | |
|---|---|
| <input type="checkbox"/> Monthly inorganic carbon content in trona input by daily measurement (percent by weight) | <input type="checkbox"/> Monthly mass of trona input (tons) |
| <input type="checkbox"/> Monthly inorganic carbon content in soda ash output by daily measurement (percent by weight) | <input type="checkbox"/> Monthly mass of soda ash output (tons) |

Other parameters:

- | | |
|--|--|
| <input type="checkbox"/> Monthly consumption of trona or liquid alkaline feedstock (metric tons) | <input type="checkbox"/> 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...

- | | |
|--|--|
| <input type="checkbox"/> Monthly consumption of trona or liquid alkaline feedstock (metric tons) | <input type="checkbox"/> Monthly production of soda ash (tons) |
|--|--|

See also the information sheet for Soda Ash Manufacturing (EPA-430-F-09-036R) at:
www.epa.gov/climatechange/emissions/downloads/infosheets/sodaashmanufacturing.pdf.

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