

# 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:

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- |  |  |
|--|--|
| <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 <sub>2</sub> ) concentration (percent CO <sub>2</sub> ) |
| <input type="checkbox"/> Stack gas volumetric flow rate per minute (dscfm)   | <input type="checkbox"/> CO <sub>2</sub> mass emission rate (metric tons/hour)                             |

##### Alternative calculation method:

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- |   |   |
|---|---|
| <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:

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- |  |  |
|--|--|
| <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/ghgreporting/documents/pdf/infosheets/sodaashmanufacturing.pdf](http://www.epa.gov/ghgreporting/documents/pdf/infosheets/sodaashmanufacturing.pdf).

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