

# Soda Ash Manufacturing Monitoring Checklist



## Subpart CC, Greenhouse Gas Reporting Program

*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)                                                       |                                                                                                            |

#### **Trona Input method (Eq. CC-1):**

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- |                                                                                                                           |                                                             |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> Monthly inorganic carbon content in trona input by weekly composite analysis (percent by weight) | <input type="checkbox"/> Monthly mass of trona input (tons) |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|

#### **Soda Ash Output method (Eq. CC-2):**

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|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <input type="checkbox"/> Monthly inorganic carbon content in soda ash output by weekly composite analysis (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) |
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### **If using a CEMS:**

### **In addition to the monitoring requirements under 40 CFR subpart C for the Tier 4 Calculation Methodology, measure these 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) |
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See also the information sheet for Soda Ash Manufacturing at:

<https://www.epa.gov/ghgreporting/information-sheet-subpart-cc-soda-ash-manufacturing>

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