

**§ 98.288 Definitions.**

All terms used in this subpart have the same meaning given in the Clean Air Act and subpart A of this part.

**Subpart CC—Soda Ash Manufacturing**

**§ 98.290 Definition of the source category.**

(a) A soda ash manufacturing facility is any facility with a manufacturing line that produces soda ash by one of the methods in paragraphs (a)(1) through (3) of this section:

- (1) Calcining trona.
- (2) Calcining sodium sesquicarbonate.
- (3) Using a liquid alkaline feedstock process that directly produces CO<sub>2</sub>.

(b) In the context of the soda ash manufacturing sector, “calcining” means the thermal/chemical conversion of the bicarbonate fraction of the feedstock to sodium carbonate.

**§ 98.291 Reporting threshold.**

You must report GHG emissions under this subpart if your facility contains a soda ash manufacturing process and the facility meets the requirements of either § 98.2(a)(1) or (a)(2).

**§ 98.292 GHGs to report.**

You must report:

- (a) CO<sub>2</sub> process emissions from each soda ash manufacturing line combined.
- (b) CO<sub>2</sub> combustion emissions from each soda ash manufacturing line.
- (c) CH<sub>4</sub> and N<sub>2</sub>O combustion emissions from each soda ash manufacturing line. You must calculate and report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.
- (d) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each stationary combustion unit other than soda ash manufacturing lines. You must calculate and report these

emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.

**§ 98.293 Calculating GHG emissions.**

You must calculate and report the annual process CO<sub>2</sub> emissions from each soda ash manufacturing line using the procedures specified in paragraph (a) or (b) of this section.

(a) For each soda ash manufacturing line that meets the conditions specified in § 98.33(b)(4)(ii) or (b)(4)(iii), you must calculate and report under this subpart the combined process and combustion CO<sub>2</sub> emissions by operating and maintaining a CEMS to measure CO<sub>2</sub> emissions according to the Tier 4 Calculation Methodology specified in § 98.33(a)(4) and all associated requirements for Tier 4 in subpart C of this part (General Stationary Fuel Combustion Sources).

(b) For each soda ash manufacturing line that is not subject to the requirements in paragraph (a) of this section, calculate and report the process CO<sub>2</sub> emissions from the soda ash manufacturing line by using the procedure in either paragraphs (b)(1), (b)(2), or (b)(3) of this section; and the combustion CO<sub>2</sub> emissions using the procedure in paragraph (b)(4) of this section.

(1) Calculate and report under this subpart the combined process and combustion CO<sub>2</sub> emissions by operating and maintaining a CEMS to measure CO<sub>2</sub> emissions according to the Tier 4 Calculation Methodology specified in § 98.33(a)(4) and all associated requirements for Tier 4 in subpart C of this part (General Stationary Fuel Combustion Sources).

(2) Use either Equation CC–1 or Equation CC–2 of this section to calculate annual CO<sub>2</sub> process emissions from each manufacturing line that calcines trona to produce soda ash:

$$E_k = \sum_{n=1}^{12} \left[ (IC_T)_n * (T_t)_n \right] * \frac{2000}{2205} * \frac{0.097}{1} \quad (\text{Eq. CC-1})$$