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process and the facility meets the requirements of either $\S98.2(a)(1)$ or (a)(2).

§98.262 GHGs to report.

- (a) You must report CO_2 process emissions from each wet-process phosphoric acid process line.
- (b) You must report under subpart C of this part (General Stationary Fuel Combustion Sources) the emissions of CO_2 , CH_4 , and N_2O from each stationary combustion unit following the requirements of subpart C of this part.

§ 98.263 Calculating GHG emissions.

You must calculate and report the annual process CO_2 emissions from each wet-process phosphoric acid process line using the procedures in either paragraph (a) or (b) of this section.

(a) Calculate and report under this subpart the process CO_2 emissions by

operating and maintaining a CEMS 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) Calculate and report under this subpart the process CO_2 emissions using the procedures in paragraphs (b)(1) and (b)(2) of this section.
- (1) Calculate the annual CO_2 mass emissions from each wet-process phosphoric acid process line using the methods in paragraphs (b)(1)(i) or (ii) of this section, as applicable.
- (i) If your process measurement provides the inorganic carbon content of phosphate rock as an output, calculate and report the process CO₂ emissions from each wet-process phosphoric acid process line using Equation Z-1a of this section:

$$E_m = \sum_{i=1}^{b} \sum_{n=1}^{z} \left(IC_{n,i} * P_{n,i} \right) * \frac{2000}{2205} * \frac{44}{12}$$
 (Eq. Z-1a)

Where:

$$\begin{split} E_m = Annual \ CO_2 \ mass \ emissions \ from \ a \ wetprocess \ phosphoric \ acid \ process \ line \ m \ according \ to \ this \ Equation \ Z\text{--}1a \ (metric \ tons). \end{split}$$

IC_{n,i} = Inorganic carbon content of a grab sample batch of phosphate rock by origin i obtained during month n, from the carbon analysis results (percent by weight, expressed as a decimal fraction).

 $P_{n,i} = \overline{M}ass$ of phosphate rock by origin i consumed in month n by wet-process phosphoric acid process line m (tons).

z = Number of months during which the process line m operates.

b = Number of different types of phosphate rock in month, by origin. If the grab sample is a composite sample of rock from more than one origin, b = 1.

2000/2205 = Conversion factor to convert tons to metric tons.

44/12 = Ratio of molecular weights, CO_2 to carbon

(ii) If your process measurement provides the CO_2 emissions directly as an output, calculate and report the process CO_2 emissions from each wet-process phosphoric acid process line using Equation Z-1b of this section:

$$E_m = \sum_{i=1}^{b} \sum_{n=1}^{z} (CO_{2_{n,i}} * P_{n,i}) * \frac{2000}{2205}$$
 (Eq. Z-1b)

Where:

 $E_m = Annual \ CO_2$ mass emissions from a wet-process phosphoric acid process line m according to this Equation Z-1b (metric tons).

 ${
m CO}_{2n,i}={
m Carbon}$ dioxide emissions of a grab sample batch of phosphate rock by origin i obtained during month n (percent by weight, expressed as a decimal fraction).