

**Subpart PP—Suppliers of Carbon Dioxide**

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

(a) The carbon dioxide (CO<sub>2</sub>) supplier source category consists of the following:

(1) Facilities with production process units that capture a CO<sub>2</sub> stream for purposes of supplying CO<sub>2</sub> for commercial applications or that capture and maintain custody of a CO<sub>2</sub> stream in order to sequester or otherwise inject it underground. Capture refers to the initial separation and removal of CO<sub>2</sub> from a manufacturing process or any other process.

(2) Facilities with CO<sub>2</sub> production wells that extract or produce a CO<sub>2</sub> stream for purposes of supplying CO<sub>2</sub> for commercial applications or that extract and maintain custody of a CO<sub>2</sub> stream in order to sequester or otherwise inject it underground.

(3) Importers or exporters of bulk CO<sub>2</sub>.

(b) This source category is focused on upstream supply. It does not cover:

(1) Storage of CO<sub>2</sub> above ground or in geologic formations.

(2) Use of CO<sub>2</sub> in enhanced oil and gas recovery.

(3) Transportation or distribution of CO<sub>2</sub>.

(4) Purification, compression, or processing of CO<sub>2</sub>.

(5) On-site use of CO<sub>2</sub> captured on site.

(c) This source category does not include CO<sub>2</sub> imported or exported in equipment, such as fire extinguishers.

**§ 98.421 Reporting threshold.**

Any supplier of CO<sub>2</sub> who meets the requirements of § 98.2(a)(4) of subpart A of this part must report the mass of CO<sub>2</sub> captured, extracted, imported, or exported.

**§ 98.422 GHGs to report.**

(a) Mass of CO<sub>2</sub> captured from production process units.

(b) Mass of CO<sub>2</sub> extracted from CO<sub>2</sub> production wells.

(c) Mass of CO<sub>2</sub> imported.

(d) Mass of CO<sub>2</sub> exported.

[74 FR 56374, Oct. 30, 2009, as amended at 75 FR 79169, Dec. 17, 2010]

**§ 98.423 Calculating CO<sub>2</sub> supply.**

(a) Except as allowed in paragraph (b) of this section, calculate the annual mass of CO<sub>2</sub> captured, extracted, imported, or exported through each flow meter in accordance with the procedures specified in either paragraph (a)(1) or (a)(2) of this section. If multiple flow meters are used, you shall calculate the annual mass of CO<sub>2</sub> for all flow meters according to the procedures specified in paragraph (a)(3) of this section.

(1) For each mass flow meter, you shall calculate quarterly the mass of CO<sub>2</sub> in a CO<sub>2</sub> stream in metric tons by multiplying the mass flow by the composition data, according to Equation PP-1 of this section. Mass flow and composition data measurements shall be made in accordance with § 98.424 of this subpart.

$$CO_{2,u} = \sum_{p=1}^4 Q_{p,u} * C_{CO_{2,p,u}} \quad (\text{Eq. PP-1})$$

Where:

CO<sub>2,u</sub> = Annual mass of CO<sub>2</sub> (metric tons) through flow meter u.

C<sub>CO<sub>2</sub>,p,u</sub> = Quarterly CO<sub>2</sub> concentration measurement in flow for flow meter u in quarter p (wt. %CO<sub>2</sub>).

Q<sub>p,u</sub> = Quarterly mass flow rate measurement for flow meter u in quarter p (metric tons).

p = Quarter of the year.

u = Flow meter.

(2) For each volumetric flow meter, you shall calculate quarterly the mass of CO<sub>2</sub> in a CO<sub>2</sub> stream in metric tons by multiplying the volumetric flow by