§ 98.417 Records that must be retained.

(a) In addition to the data required by §98.3(g), the fluorinated GHG production facility shall retain the following records:

(1) Dated records of the data used to estimate the mass of fluorinated GHGs produced, including the instrumentation used (Coriolis flowmeter, other flowmeter, weigh scale, etc.) and its accuracy and precision.

(2) Dated records of the data used to estimate the mass of fluorinated GHGs fed into the transformation process, including the instrumentation used (Coriolis flowmeter, other flowmeter, weigh scale, etc.) and its accuracy and precision.

(3) The method(s) by which the producer in practice estimates the fraction of fluorinated GHGs fed into the transformation process that is actually transformed, and the estimated precision and accuracy of this estimate.

(4) The method(s) by which the producer in practice estimates the fraction of fluorinated GHGs fed into the destruction process, including the method(s) used to estimate the concentration of the fluorinated GHGs in the destroyed material, and the estimated precision and accuracy of this estimate.

(5) The estimated percent efficiency of each production process for the fluorinated GHG produced.

§ 98.418 Definitions.

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

Subpart PP—Suppliers of Carbon Dioxide

§ 98.420 Definition of the source category.

(a) The carbon dioxide (CO₂) supplier source category consists of the following:

(1) Facilities with production process units that capture a CO₂ stream for purposes of supplying CO₂ for commercial applications or that capture and maintain custody of a CO₂ stream in order to sequester or otherwise inject it underground. Capture refers to the initial separation and removal of CO₂.
(2) Facilities with CO\textsubscript{2} production wells that extract or produce a CO\textsubscript{2} stream for purposes of supplying CO\textsubscript{2} for commercial applications or that extract and maintain custody of a CO\textsubscript{2} stream in order to sequester or otherwise inject it underground.

(3) Importers or exporters of bulk CO\textsubscript{2}.

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

(1) Storage of CO\textsubscript{2} above ground or in geologic formations.

(2) Use of CO\textsubscript{2} in enhanced oil and gas recovery.

(3) Transportation or distribution of CO\textsubscript{2}.

(4) Purification, compression, or processing of CO\textsubscript{2}.

(5) On-site use of CO\textsubscript{2} captured on site.

(c) This source category does not include CO\textsubscript{2} imported or exported in equipment, such as fire extinguishers.

§ 98.421 Reporting threshold.

Any supplier of CO\textsubscript{2} who meets the requirements of §98.2(a)(4) of subpart A of this part must report the mass of CO\textsubscript{2} captured, extracted, imported, or exported.

\[ \text{CO}_2,u = \sum_{p=1}^{4} Q_{p,u} \times C_{\text{CO}_2,p,u} \quad (\text{Eq. PP-1}) \]

Where:

- \(\text{CO}_2,u\) = Annual mass of CO\textsubscript{2} (metric tons) through flow meter \(u\).
- \(C_{\text{CO}_2,p,u}\) = Quarterly CO\textsubscript{2} concentration measurement in flow for flow meter \(u\) in quarter \(p\) (wt. %CO\textsubscript{2}).
- \(Q_{p,u}\) = 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\textsubscript{2} in a CO\textsubscript{2} stream in metric tons, prior to any subsequent purification, processing, or compressing, by multiplying the volumetric flow by the concentration and density data, according to Equation PP-2 of this section. Volumetric flow, concentration and density data measurements shall be made in accordance with §98.424 of this subpart.

\[ \text{CO}_2,u = \sum_{p=1}^{4} Q_{p} \times D_{p} \times C_{\text{CO}_2,p} \quad (\text{Eq. PP-2}) \]