

Suppliers of Carbon Dioxide

Subpart PP, Greenhouse Gas Reporting Program

Measure these parameters for each supplier of carbon dioxide (CO₂):



What Must Be Monitored?

For facilities with production process units that capture CO₂, facilities with CO₂ production wells that extract CO₂, and importers or exporters that import or export in pipelines or containers, measure these parameters:

If using a mass flow meter or container for which mass is measured:

- Quarterly concentration of the CO₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each flow meter or container (weight percentage CO₂).
- Quarterly mass flow of the CO₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each mass flow meter or container (metric tons).
- Percentage of CO₂ stream, if any, that is biomass-based (for facilities with production process units that capture CO₂).

If using a volumetric flow meter or container for which volume is measured:

- Quarterly concentration of the CO₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each flow meter or container (weight percentage CO₂).
- Quarterly volumetric flow of the CO₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each volumetric flow meter or container (standard cubic meters (m³)).
- Quarterly density of the CO₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each volumetric flow meter or container (metric tons/m³).
- Percentage of CO₂ stream, if any, that is biomass-based (for facilities with production process units that capture CO₂).

For importers and exporters of CO₂ that import or export in containers:

- Annual mass in all CO₂ containers imported (metric tons).
- Annual mass in all CO₂ containers exported (metric tons).

For all suppliers of CO₂:

Annual quantity of CO₂ that is transferred to each of the following end use applications, if known (metric tons):

- Food and beverage;
- Industrial and municipal water/wastewater treatment;
- Metal fabrication, including welding and cutting;
- Greenhouse uses for plant growth;
- Fumigants (e.g., grain storage) and herbicides;

- Pulp and paper;
- Cleaning and solvent use;
- Fire-fighting;
- Transportation and storage of explosives;
- Enhanced oil and natural gas recovery (EOR) covered by Subpart UU;
- Geologic sequestration (GS) covered by Subpart RR;
- Research and development (R&D); and
- Other end use.

If CO₂ is captured from an electricity generating unit that is subject to Subpart D of the GHGRP and transferred to a facility that is subject to Subpart RR of the GHGRP:

- Subpart D facility ID number.
- Each Subpart RR facility ID number.
- Annual quantity of CO₂ that is transferred to the Subpart RR facility.



For More Information

For additional information and resources on Subpart PP, please visit the [Subpart PP webpage](#).

This monitoring checklist is provided solely for informational purposes. It does not replace the need to read and comply with the regulatory text contained in the rule. Rather, it is intended to help reporting facilities and suppliers understand key provisions of the GHGRP. It does not provide legal advice; have a legally binding effect; or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits with regard to any person or entity.