

Suppliers of Carbon Dioxide Monitoring Checklist



Final Rule: Mandatory Reporting of Greenhouse Gases

What Must Be Monitored for Suppliers of Carbon Dioxide (CO₂)?

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, measure these parameters...

If using a mass flow meter:

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|--|---|
| <input type="checkbox"/> Quarterly concentration of the CO ₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each flow meter (weight percentage CO ₂) | <input type="checkbox"/> Percentage of CO ₂ stream, if any, that is biomass-based (for facilities with production process units that capture CO ₂) |
| <input type="checkbox"/> Quarterly mass flow of the CO ₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each mass flow meter (metric tons) | |

If using a volumetric flow meter:

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|--|---|
| <input type="checkbox"/> Quarterly concentration of the CO ₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each flow meter (weight percentage CO ₂) | <input type="checkbox"/> Quarterly density of the CO ₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each volumetric flow meter (metric tons per standard cubic meter) |
| <input type="checkbox"/> Quarterly volumetric flow of the CO ₂ stream captured, extracted, or transferred in either gas, liquid, or solid forms from each volumetric flow meter (standard cubic meters) | <input type="checkbox"/> Percentage of CO ₂ stream, if any, that is biomass-based (for facilities with production process units that capture CO ₂) |

**For importers and exporters of CO₂ that import or export in containers,
measure these parameters...**

- | | |
|---|---|
| <input type="checkbox"/> Annual mass in all CO ₂ containers imported (metric tons) | <input type="checkbox"/> Annual mass in all CO ₂ containers exported (metric tons) |
|---|---|

For all suppliers of CO₂, measure:

- 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; long-term storage (sequestration); research and development; other

*See also the information sheet for Suppliers of Carbon Dioxide (EPA-430-F-09-016R) at:
www.epa.gov/ghgreporting/documents/pdf/infosheets/supplierscarbondioxide.pdf.*

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