

# Suppliers of Carbon Dioxide Monitoring Checklist

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## Final Rule: Mandatory Reporting of Greenhouse Gases

*What Must Be Monitored for Suppliers of Carbon Dioxide (CO<sub>2</sub>)?*

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

**For importers and exporters of CO<sub>2</sub> that import or export in containers,  
measure these parameters...**

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

**For all suppliers of CO<sub>2</sub>, measure:**

- Annual quantity of CO<sub>2</sub> 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/climatechange/emissions/downloads/infosheets/supplierscarbondioxide.pdf](http://www.epa.gov/climatechange/emissions/downloads/infosheets/supplierscarbondioxide.pdf).*

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