

Geologic Sequestration of Carbon Dioxide With Enhanced Oil Recovery Using ISO 27916

Subpart VV, Greenhouse Gas Reporting Program



What Must Be Monitored?

For facilities that engage in carbon dioxide enhanced oil recovery (CO₂-EOR) projects and use the CSA/ANSI ISO 27916:19 standard as a method of quantifying geologic sequestration (GS) of CO₂ in association with CO₂-EOR operations:

For determining the total mass of CO₂ input:

- ☐ Annual total mass of CO₂ received at the custody transfer meter by the CO₂-EOR project, including CO₂ transferred from another CO₂-EOR project (metric tons).
- ☐ Annual mass of native CO₂ produced and captured in the CO₂-EOR project (metric tons).

For determining the total mass of CO₂ loss from operations:

- ☐ Annual loss of CO₂ due to leakage from production, handling, and recycling CO₂-EOR facilities (infrastructure including wellheads) (metric tons).
- ☐ Annual loss of CO₂ from venting/flaring from production operations (metric tons).
- ☐ Annual loss of CO₂ due to entrainment within produced gas/oil/water when this CO₂ is not separated and reinjected (metric tons).
- ☐ Annual loss of CO₂ due to any transfer of CO₂ outside the CO₂-EOR project (metric tons).

For determining the total mass of CO₂ loss from the EOR complex:

- ☐ Annual total mass of CO₂ loss from the EOR complex (metric tons).

Other:

- ☐ The density of CO₂, if volumetric units are converted to mass in order to be reported for annual quantity of CO₂ stored (as calculated from the above inputs and losses).
- ☐ Annual mass of native CO₂ that is recycled and reinjected into the EOR complex.



For More Information

For additional information and resources on Subpart VV, please visit the [Subpart VV webpage](https://www.epa.gov/ghgr/subpart-vv).

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.