

Industry/Waste Type	DOC (weight fraction, wet basis)	k [dry climate ^a] (yr ⁻¹)	k [moderate climate ^a] (yr ⁻¹)	k [wet climate ^a] (yr ⁻¹)
Inert Waste [i.e., wastes listed in § 98.460(c)(2)]	0	0	0	0
Other Industrial Solid Waste (not otherwise listed)	0.20	0.02	0.04	0.06

^a The applicable climate classification is determined based on the annual rainfall plus the recirculated leachate application rate. Recirculated leachate application rate (in inches/year) is the total volume of leachate recirculated from company records or engineering estimates and applied to the landfill divided by the area of the portion of the landfill containing waste [with appropriate unit conversions].

- (1) Dry climate = precipitation plus recirculated leachate less than 20 inches/year
 - (2) Moderate climate = precipitation plus recirculated leachate from 20 to 40 inches/year (inclusive)
 - (3) Wet climate = precipitation plus recirculated leachate greater than 40 inches/year
- Alternatively, landfills that use leachate recirculation can elect to use the k value for wet climate rather than calculating the recirculated leachate rate.
- (1) Dry climate = precipitation plus recirculated leachate less than 20 inches/year.
 - (2) Moderate climate = precipitation plus recirculated leachate from 20 to 40 inches/year (inclusive).
 - (3) Wet climate = precipitation plus recirculated leachate greater than 40 inches/year.

[75 FR 39773, July 12, 2010, as amended at 76 FR 73910, Nov. 29, 2011]

Subpart UU—Injection of Carbon Dioxide

SOURCE: 75 FR 75086, Dec. 1, 2010, unless otherwise noted.

§ 98.470 Definition of the source category.

- (a) The injection of carbon dioxide (CO₂) source category comprises any well or group of wells that inject a CO₂ stream into the subsurface.
- (b) If you report under subpart RR of this part for a well or group of wells, you are not required to report under this subpart for that well or group of wells.
- (c) A facility that is subject to this part only because it is subject to subpart UU of this part is not required to report emissions under subpart C of this part or any other subpart listed in § 98.2(a)(1) or (a)(2).

§ 98.471 Reporting threshold.

- (a) You must report under this subpart if your facility injects any amount of CO₂ into the subsurface.

- (b) For purposes of this subpart, any reference to CO₂ emissions in § 98.2(i) shall mean CO₂ received.

§ 98.472 GHGs to report.

You must report the mass of CO₂ received.

§ 98.473 Calculating CO₂ received.

- (a) You must calculate and report the annual mass of CO₂ received by pipeline using the procedures in paragraphs (a)(1) or (a)(2) of this section and the procedures in paragraph (a)(3) of this section, if applicable.
 - (1) For a mass flow meter, you must calculate the total annual mass of CO₂ in a CO₂ stream received in metric tons by multiplying the mass flow by the CO₂ concentration in the flow, according to Equation UU-1 of this section. You must collect these data quarterly. Mass flow and concentration data measurements must be made in accordance with § 98.474.

$$CO_{2T,r} = \sum_{p=1}^4 (Q_{r,p} - S_{r,p}) * C_{CO_{2,p,r}} \quad (\text{Eq. UU-1})$$

where:
 CO_{2T,r} = Net annual mass of CO₂ received through flow meter r (metric tons).

Q_{r,p} = Quarterly mass flow through a receiving flow meter r in quarter p (metric tons).
 S_{r,p} = Quarterly mass flow through a receiving flow meter r that is redelivered to