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## 40 C.F.R. § 98.203

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### Calculating GHG emissions.

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(a) Calculate the mass of each GHG emitted from magnesium production or processing over the calendar year using either Equation T-1 or Equation T-2 of this section, as appropriate. Both of these equations equate emissions of cover gases or carrier gases to consumption of cover gases or carrier gases.

(1) To estimate emissions of cover gases or carrier gases by monitoring changes in container masses and inventories, emissions of each cover gas or carrier gas shall be estimated using Equation T-1 of this section:

$$E_x = (I_{B,x} - I_{E,x} + A_x - D_x) * 0.001 \quad (\text{Eq. T-1})$$

Where:

$E_x$  = Emissions of each cover gas or carrier gas, X, in metric tons over the reporting year.  $I_{B,x}$  = Inventory of each cover gas or carrier gas stored in cylinders or other containers at the beginning of the year, including heels, in kg.  $I_{E,x}$  = Inventory of each cover gas or carrier gas stored in cylinders or other containers at the end of the year, including heels, in kg.  $A_x$  = Acquisitions of each cover gas or carrier gas during the year through purchases or other transactions, including heels in cylinders or other containers returned to the magnesium production or processing facility, in kg.  $D_x$  = Disbursements of each cover gas or carrier gas to sources and locations outside the facility through sales or other transactions during the year, including heels in cylinders or other containers returned by the magnesium production or processing facility to the gas supplier, in kg. 0.001 = Conversion factor from kg to metric tons X = Each cover gas or carrier gas that is a GHG.

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