

Municipal Solid Waste Landfills

Subpart HH, Greenhouse Gas Reporting Program



What Must Be Monitored?

For each municipal solid waste (MSW) landfill:

- ☐ Annual quantity of waste landfilled (W_x in Equation HH-1).
- ☐ For each type of material landfilled, specific waste quantity or fraction, and its associated parameters used to calculate methane (CH_4) generation in Equation HH-1, including: degradable organic carbon (DOC), decay rate (k), methane conversion factor (MCF), fraction by volume of CH_4 in landfill gas from measurement data for the current reporting year (F), and fraction of DOC dissimilated (DOC_d).

For each MSW landfill using a gas collection system, also monitor:

- ☐ Flow rate of landfill gas before any treatment equipment (continuously).
- ☐ CH_4 concentration of collected landfill gas (continuously, if available, or monthly*).
- ☐ Temperature** of landfill gas (continuously, if available, or monthly*).
- ☐ Pressure** of landfill gas (continuously, if available, or monthly*).
- ☐ Moisture content** of landfill gas (continuously, if available, or monthly*).
- ☐ Annual operating hours where active gas flow was sent to each destruction device.
- ☐ Annual operating hours of the gas collection system associated with each measurement location.
- ☐ Surface area, average depth of waste, and associated estimated collection efficiencies of areas with the different soil type covers and gas collection system operation listed in Table HH-3.

*If only one measurement is made each calendar month, there must be at least 14 days in between measurements.

**If the gas flow meter is not equipped with automatic correction for temperature, pressure, or moisture content.



For More Information

For additional information and resources on Subpart HH, please visit the [Subpart HH webpage](#).

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.