

Municipal Solid Waste Landfills Monitoring Checklist



Subpart HH, Greenhouse Gas Reporting Program

What Must Be Monitored for Each MSW Landfill?

Each MSW landfill must monitor these parameters...

- 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 generation in Equation HH-1, including: DOC, k, MCF, F, and DOC_f

Each MSW landfill using a gas collection system must also monitor these parameters...

- Flow rate of landfill gas before any treatment equipment (continuously)



Moisture content** of landfill gas (continuously, if available, or monthly*)

- CH_4 concentration of collected landfill gas (continuously, if available, or monthly*)



Annual operating hours where active gas flow was sent to each destruction device)

- Temperature** of landfill gas (continuously, if available, or monthly*)



Annual operating hours of the gas collection system associated with each measurement location

- Pressure** of landfill gas (continuously, if available, or monthly*)



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 fourteen days in between measurements.*

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

See also the information sheet for Municipal Solid Waste Landfills (EPA-430-F-09-009R) at: <https://www.epa.gov/ghgreporting/subpart-hh-information-sheet>.

This document is provided solely for informational purposes. It does not provide legal advice, have legally binding effect, or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits in regard to any person. This information is intended to assist reporting facilities/owners in understanding key provisions of the Greenhouse Gas Reporting Program.