

Municipal Solid Waste Landfills

Monitoring Checklist



Final Rule: Mandatory Reporting of Greenhouse Gases

What Must Be Monitored for Each Landfill?

Each MSW landfill must monitor these parameters...

- | | |
|--|---|
| <input type="checkbox"/> Annual quantity of waste landfilled (W_x in Equation HH-1) | <input type="checkbox"/> Material-specific waste quantity or fraction, and their associated parameters used to calculate methane generation in Equation HH-1, including: DOC, k, MCF, and DOC_f |
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Each MSW landfill using a gas collection system must also monitor these parameters...

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| <input type="checkbox"/> Flow rate of landfill gas before any treatment equipment (daily) | <input type="checkbox"/> Total annual CH_4 recovered prior to destruction |
| <input type="checkbox"/> CH_4 concentration of collected landfill gas (daily, if available, or weekly) | <input type="checkbox"/> Destruction device (and backup destruction device, if applicable) operating hours per year |
| <input type="checkbox"/> Temperature of landfill gas (daily, if available, or weekly) | <input type="checkbox"/> Gas collection system operating hours per year |
| <input type="checkbox"/> Pressure of landfill gas (daily, if available, or weekly) | <input type="checkbox"/> 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 |
| <input type="checkbox"/> Moisture content of landfill gas (daily, if available, or weekly) | |

See also the information sheet for Municipal Solid Waste Landfills (EPA-430-F-09-009R) at: www.epa.gov/climatechange/emissions/downloads/infosheets/mswlandfills.pdf.

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