

# Municipal Solid Waste Landfills

## Monitoring Checklist

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### 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 $DOC_f$ |
|--|---|

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

- |  |   |
|--|---|
| <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/ghgreporting/documents/pdf/infosheets/mswlandfills.pdf](http://www.epa.gov/ghgreporting/documents/pdf/infosheets/mswlandfills.pdf).

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