

Industrial Waste Landfills

Monitoring Checklist



Greenhouse Gas Reporting Program

What Must Be Monitored for Each Landfill that Meets the Requirements of §98.460 and §98.461?

Each industrial waste landfill must monitor these parameters...

- | | |
|---|---|
| <input type="checkbox"/> Annual quantity of each waste stream disposed of in the landfill (W_x in Equation TT-1) | <input type="checkbox"/> For each waste stream for which you elect not to use the default DOC values in Table TT-1 of subpart TT, determine the DOC value by either using a 60-day anaerobic biodegradation test or via the total and volatile solids measurements following Standard Method 2540G “Total, Fixed, and Volatile Solids in Solid and Semisolid Samples” |
| <input type="checkbox"/> For each type of cover material (either organic cover, clay cover, sand cover, or other soil mixtures), determine the surface area (in square meters) at the start of the reporting year for the landfill sections that contain waste and that are associated with that cover type | |

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

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|--|---|
| <input type="checkbox"/> Flow rate (or cumulative volume) of landfill gas collected before any treatment equipment (daily) | <input type="checkbox"/> Destruction device (and back-up destruction device, if applicable) operating hours per year |
| <input type="checkbox"/> CH ₄ concentration of collected landfill gas (daily, if available, or weekly) | <input type="checkbox"/> Gas collection system operating hours per year |
| <input type="checkbox"/> Temperature 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"/> Pressure of landfill gas (daily, if available, or weekly) | |
| <input type="checkbox"/> Moisture content of landfill gas (daily, if available, or weekly) | <input type="checkbox"/> The number of wells of the gas collection system |

See also the information sheet for Industrial Waste Landfills at <http://www.epa.gov/climatechange/emissions/subpart/tt.html>