



Landfill Gas v8.0

Advanced Landfill Modeling

This program is based on the well-known EPA LandGEM v3.02 model. It is an automated tool that can be used to estimate emission rates for total landfill gas, methane, carbon dioxide, non-methane organic compounds and individual air pollutants from municipal solid waste (MSW) landfills.

The program contains two sets of default parameters: Clean Air Act (CAA) defaults and inventory defaults, based on EPA's "Compilation of Air Pollutant Emission Factors (AP-42)"

Year	User input	User waste in place	Waste acceptance	Waste in place
1970	15,000	0,000	15,000	0,000
1971	20,000	15,000	20,000	15,000
1972	77,000	35,000	77,000	35,000
1973	0,000	112,000	77,000	112,000
1974	0,000	112,000	77,000	189,000
1975	0,000	112,000	77,000	266,000
1976	0,000	112,000	77,000	343,000
1977	0,000	112,000	77,000	420,000
1978	0,000	112,000	77,000	497,000
1979	0,000	112,000	77,000	574,000
1980	0,000	112,000	77,000	651,000
1981	0,000	112,000	77,000	728,000
1982	0,000	112,000	77,000	805,000
1983	0,000	112,000	77,000	882,000
1984	0,000	112,000	77,000	959,000
1985	0,000	112,000	77,000	1,036,000
1986	0,000	112,000	77,000	1,113,000
1987	0,000	112,000	77,000	1,190,000
1988	0,000	112,000	77,000	1,267,000
1989	0,000	112,000	77,000	1,344,000
1990	0,000	112,000	77,000	1,421,000
1991	0,000	112,000	77,000	1,498,000
1992	0,000	112,000	77,000	1,575,000
1993	0,000	112,000	77,000	1,652,000
1994	0,000	112,000	77,000	1,729,000
1995	0,000	112,000	77,000	1,806,000
1996	0,000	112,000	77,000	1,883,000
1997	0,000	112,000	77,000	1,960,000
1998	0,000	112,000	77,000	2,037,000
1999	0,000	112,000	77,000	2,114,000
2000	0,000	112,000	77,000	2,191,000

Powerful, Flexible, Compatible

Unlimited pollutant gases. No life cycle restrictions as in the original Excel version of LandGEM 3.02.

Fully compatible with EPA LandGEM v2.x and v3.x.

Categorized input data.

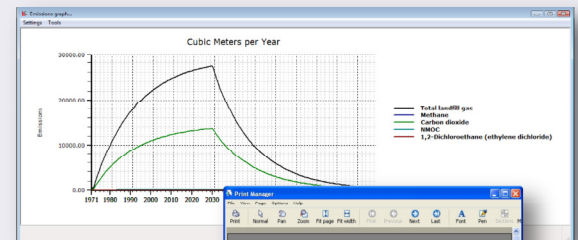
Multilevel undo and redo.

Pollutants database:

No	Name	Concentration (ppmv)	Molecular weight	AS
1	Total landfill gas	N/A	30.02	-
2	Methane	N/A	16.04	-
3	Carbon dioxide	N/A	44.01	-
4	NMOC	4000.000	86.18	-
5	1,2-Dichloroethane (ethylene dichloride)	0.410	98.96	Y

Landfill characteristics:

- Landfill open year: 1970
- Current year: 1980
- Closure year is known
- Landfill closure year: 2030
- Closure year will be calculated
- Waste design capacity (tons):
- Calculations end year: 2110



Enhance your productivity

Import/export data from Excel CSV files, ASCII txt files, or edit directly in the program's editor.

Fully customizable embedded databases of common variables.

Professional visual and analytical reports the way you want them to be.

Print Manager:

- Project Information: Project Name: Sample Project, Author: Technologismiki
- Input Date: 1970
- Landfill Characteristics: Landfill open year: 1970, Landfill closure year: 2030, Current year: 1980, Calculations end year: 2030
- Model Parameters: Methane content (by volume): 60%, NMOC content (mg/kg as methane): 4000, Methane content (by mass): 50%
- Green Acid Parameters: Table with columns for pollutant name, concentration, and units.
- Waste Acceptance Rates: Table with columns for year and waste amount.

A free functional demo is available at Technologismiki's web site.

www.technologismiki.com

Since its foundation, Technologismiki specializes in the development of advanced technical software. Moreover, its activities include publishing of technical books and consulting services in the fields of Hydraulics, Hydrology, Environment and Water Resources.



Advanced Technical Software

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