



## Typical Applications Include:

- Municipal Solid Waste Landfills
- Industrial Waste Landfills
- Landfill Gas to Energy Facilities



## THERMAL FLOW METERS FOR LANDFILL GAS APPLICATIONS

Monitoring biogas for landfill gas recovery projects and for compliance with emissions reporting regulations.

Landfill Gas to Energy (LFGTE) facilities typically extract gases from multiple well-heads, which are connected to a common header pipe, and then recovered for a variety of uses, including:

- Fueling on-site engines or turbines
- Generating electricity for surrounding homes and businesses
- Conversion to Liquid Natural Gas, a clean vehicle fuel

Accurate flow monitoring is essential for gathering system-wide information on the amount of gas being extracted, flared or recovered. Some of the measurement challenges in the LFG environment are changing gas compositions, varying flow rates caused by seasonal temperature changes, and wet, dirty and potentially flammable gases.

Landfill Gas (LFG) contains methane, a potent greenhouse gas. The EPA requires landfill operators to collect the methane produced on site, and where it is not being used for energy production, it must be flared to prevent its release.

Fox Thermal Mass Flow Meters can help LFGTE operators comply with clean air regulations, as well as improve the operation of co-gen engines or methane oxidizers. With turndowns from 100:1, specified accuracy of  $\pm 1\%$  of reading plus  $.2\%$  of full scale, and repeatability of  $\pm .2\%$  of full scale, Fox Flow Meters exceed the requirements of EPA's 40 CFR Part 98 Subpart HH and Subpart TT.



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