

RECOVERY EFFICIENCY IN LANDFILLS

THE OPPORTUNITY

For maximum environmental protection and energy recovery, landfills are equipped with extensive gas extraction and capture system with a network of wells distributed into the dumped wastes. It is completed by a thick soil layer where active bacteria operate the uptake of residual fugitive landfill gas. Local regulations may require a landfill operator to quantify the emissions (such as methane (CH₄)) due to inefficiencies in the extraction/collection/soil cover design.



OUR SOLUTION

The Innova 1512 photoacoustic gas monitor integrated with soil flux chamber is an appropriate measurement solution to run those monitoring surveys. The multi-gas capability can be advantageously used to monitor methane emissions along with other compounds of interest: CO₂, N₂O, VOCs, etc. The Innova 1512 monitor has also been used in tracer gas studies to compare the extraction efficiency of various gas well patterns in a landfill.



Advanced Energy's Innova 1512