



2008 LMOP PROJECT EXPO

BLUFF ROAD LANDFILL

LINCOLN, NEBRASKA



LANDFILL OVERVIEW

Open Year: 1988

Closure Year: 2028

Waste in Place: 5.2 million tons

Design Capacity: 14.1 million tons

Annual Acceptance: 270,000 tons (2007)

Landfill Area: 104 acres

Designed Waste Depth: 150 feet

Wells in Place: No

Flare in Place: No

Methane Content of Gas: Estimated 50%

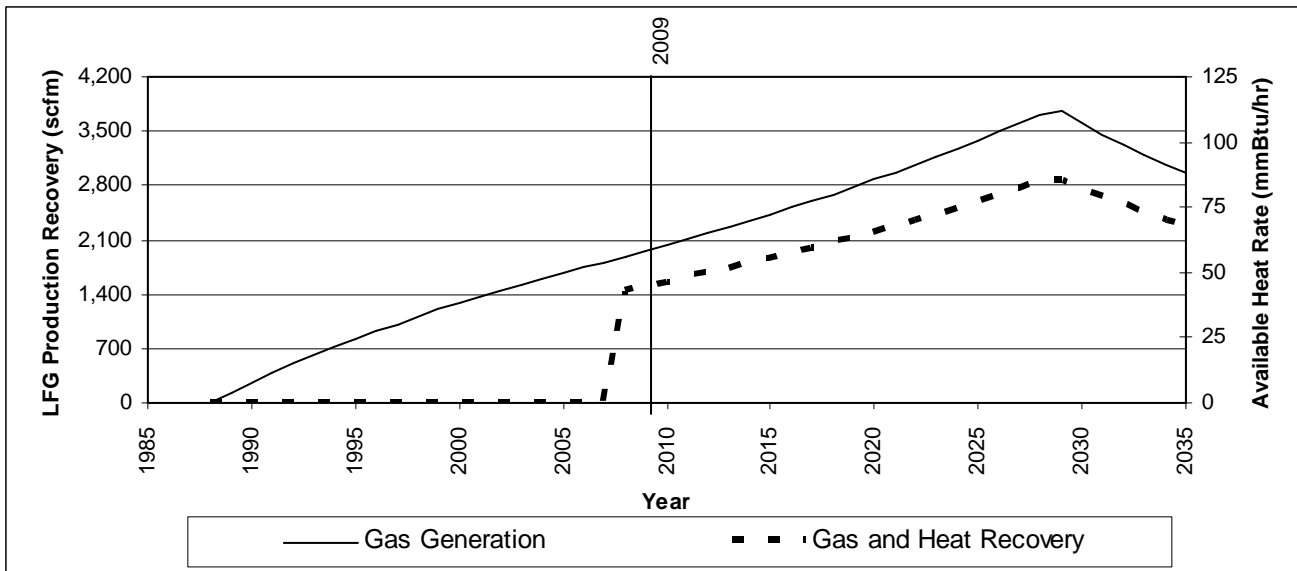
ENVIRONMENTAL BENEFITS

Bluff Road Landfill reports that it is not currently required to collect and combust landfill gas under the Landfill NSPS/EG.

Collection and utilization of the landfill gas at an estimated extraction rate of 1,469 scfm in 2009 would result in direct methane and avoided emissions from conventional electricity sources, equivalent to preventing emissions of **174,000 metric tons of CO₂e per year**. These emission reductions are equivalent to any one of the following annual environmental benefits for 2009:

- Annual greenhouse gas emissions from 31,900 passenger vehicles
- Carbon sequestered annually by 39,600 acres of pine or fir forests
- CO₂ emissions from burning 910 railcars' worth of coal
- CO₂ emissions from 405,300 barrels of oil consumed

LANDFILL GAS AND ENERGY POTENTIAL



- LandGEM 2009 LFG Recovery: 1,469 scfm
- LandGEM Peak Recovery Estimation: 2,815 scfm (in 2028)

