



Kerrville Landfill
City of Kerrville, Texas

LMOP PROJECT EXPO

2009

Kerrville Landfill Overview

Open Year

1983

Closure Year

Estimated 2015

Waste in Place

728,000 tons

Design Capacity

857,000 tons

Annual Acceptance

54,000 tons (2007)*

Landfill Area

50 acres

Waste Depth

45 feet

Wells in Place

Yes

Flare in Place

Flaring approximately 185 scfm

Methane Content of Gas

Estimated at 35%

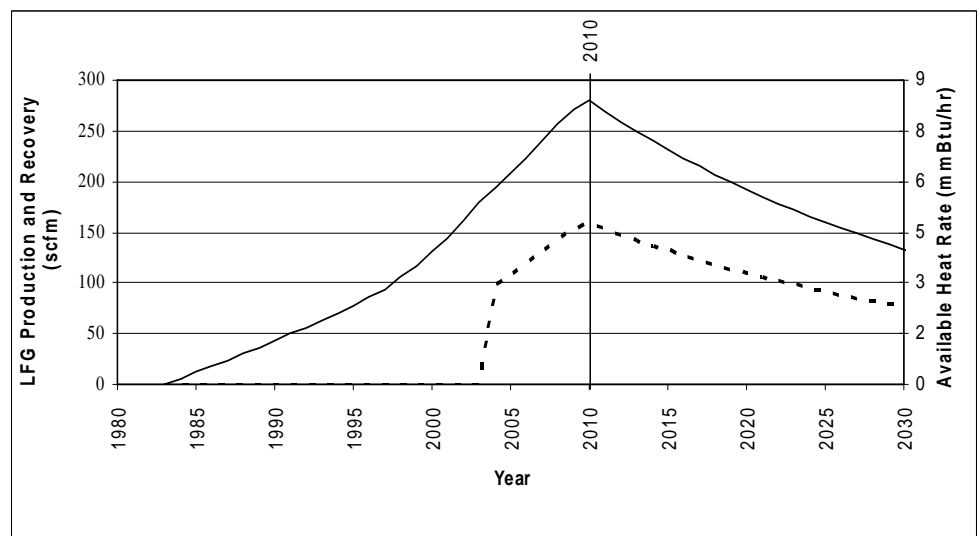
Kerrville Sanitary Landfill reports that it is not currently required to collect and combust landfill gas under the Landfill NSPS/EG.

Collection of the landfill gas at an estimated extraction rate of 152 scfm in 2009 will result in direct destruction of methane gas and utilizing the gas to generate electricity offsets emissions from conventional electricity sources, equivalent to preventing emissions of **17,000 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 **3,100 passenger vehicles**
- ◆ Carbon sequestered annually by **3,800 acres** of pine or fir forests
- ◆ CO₂ emissions from **1,909,000 gallons of gasoline consumed**
- ◆ CO₂ emissions from **39,100 barrels of oil consumed**

Landfill Gas and Energy Potential



— Gas Generation - - - - Gas and Heat Recovery
LandGEM Peak Recovery Estimation: 158 scfm (in 2010)

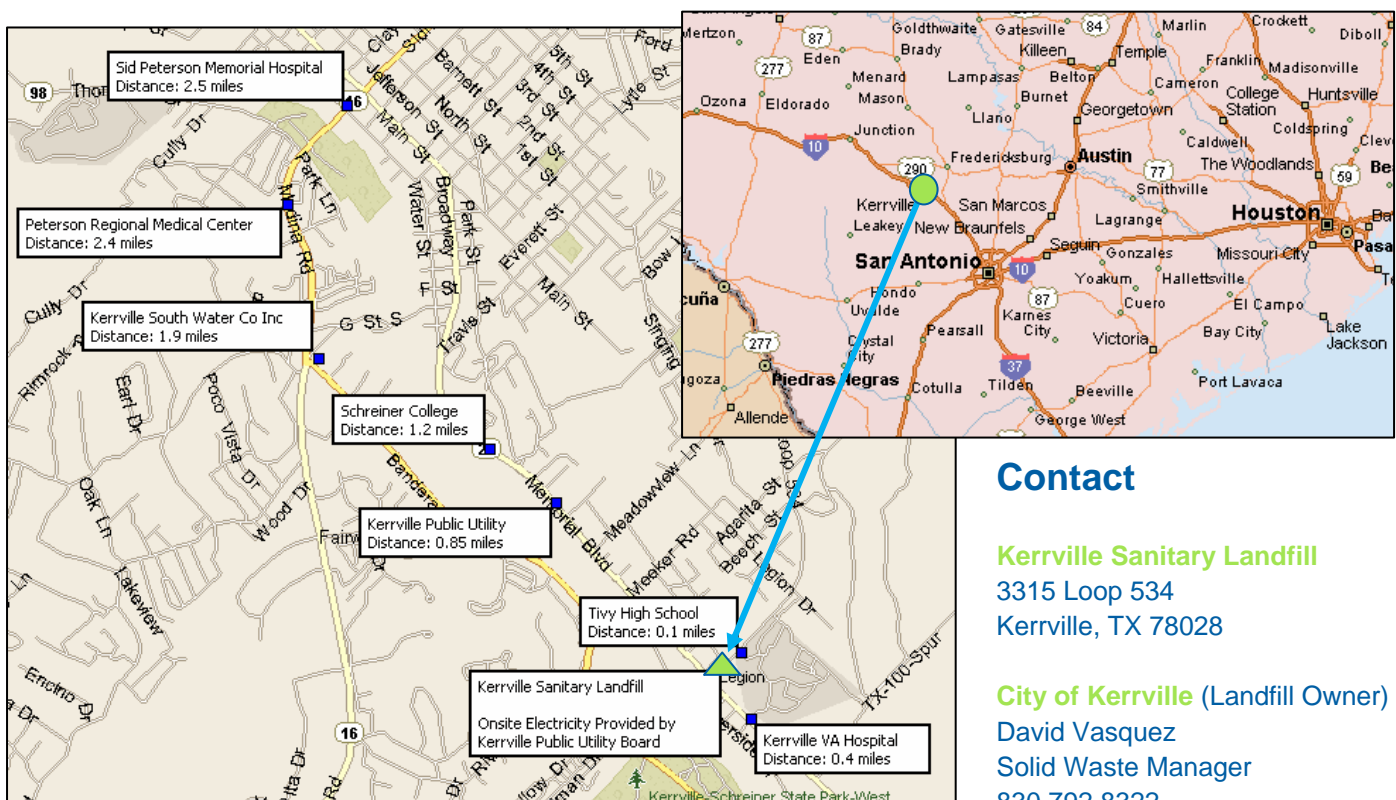
*Starting in 2010 waste acceptance rate estimated at 1,100 tons per year.

Incentives for LFG Energy

The state of Texas currently offers the following incentives for LFG energy:

- ◆ The Renewable Portfolio Standard (RPS) program mandates that electricity providers collectively generate additional renewable energy in the following manner: 2,000 MW by 2009; 5,880 MW by 2015; and a target of 10,000 MW in 2025. Each provider is required to obtain renewable energy capacity based on their market share of energy sales times the renewable capacity goal. Senate Bill 20 includes a requirement that the state must meet the 2025 target with non-wind renewable generation.
- ◆ The RPS provides for a Renewable Energy Credit (REC) trading program that will continue through 2019.
- ◆ More information can be found at <http://www.puc.state.tx.us>.

Landfill Location and Potential End Users



Contact

Kerrville Sanitary Landfill

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City of Kerrville (Landfill Owner)

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