



Bringing Climate Solutions Down To Earth.

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PREMIER SHOCKWAVE

FOR EXTRAORDINARY
ENVIRONMENTAL LEADERSHIP
IN TAKING ACTION AGAINST
CLIMATE CHANGE

This verified emission reduction (VER) purchase prevents the emission of 70 metric tons of greenhouse gases from entering the atmosphere. The project this purchase supports is independently verified to demonstrate additionality and permanence.

Equivalent To: Removing 13 cars from U.S. roadways for one year.

A handwritten signature in black ink, appearing to read 'Dan Kalafatis', written over a horizontal line.

01 / 12 / 2010

Dan Kalafatis, President and Chief Operating Officer

Date



facility profile: Newton-McDonald Landfill Gas Capture Project

PROJECT LOCATION

Neosho, MO

PROJECT TYPE

Landfill Gas Capture
and Destruction

PROJECT ON-LINE DATE (COD)

September 2007

ANNUAL EMISSION REDUCTIONS

Average 40,000 Metric
tons CO₂e

PROJECT SITE

- The landfill began operating in 1974, collected approximately 2 million tons of waste, and closed in 1997.
- The system is comprised of 57 vertical and horizontal wells that capture methane from the landfill. These are connected through a series of pipes to a central gas flare.
- The landfill is located in Neosho, Missouri (population ~10,000). It borders the Army's Camp Crowder (the inspiration for "Campy Swampy" in the Beetle Bailey comic strip) and Crowder College, which has made a name for itself through its success directing the North American Solar Challenge.

ADDITIONALITY

- The landfill is not mandated to capture and flare methane from its operations.
- The landfill began destroying gas in 1998 in order to control gas migration, but the system was shut down in May of 2007 due to a lack of funds for operations and maintenance. The Missouri Department of Natural Resources approved the decommissioning of the collection system.
- In September of 2007, Solid Waste Properties purchased and restarted the collection system in order to reduce greenhouse gas emissions and to sell emission reductions. Solid Waste Properties receives no other revenue from the project.

CO-BENEFITS

- Odor reduction: by capturing and flaring gas that would otherwise have vented into the air, the project reduces ambient odor.
- Future gas utilization: Solid Waste Properties will provide landfill gas to fuel a small aluminum recycling



operation. It will also supply Crowder College with landfill gas for fuel cells in the planned Missouri Alternative Renewable Energy (MARET) Center to showcase renewable technologies. Revenue from gas sales will benefit the joint county non-profit that owns the landfill.

- Improved landfill maintenance: Money from emission reduction sales is already enabling Solid Waste properties to maintain the grounds and monitor for proper landfill settling.

EMISSION REDUCTIONS CALCULATION

- The facility continuously monitors gas flow using flow meter readings and periodic methane content samples to verify the amount of methane captured and combusted.
- The emission reductions will be verified by an accredited third party verifier using the Chicago Climate Exchange (CCX) Landfill Methane Protocol. All verified emission reductions will be registered on the CCX.

“Carbon is the only money supporting this project. It pays for Randy to operate the system, it pays for us to monitor the gas, and it pays for ongoing landfill maintenance.”

— Mike Rutsch, Solid Waste Properties
Project Owner & Developer

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