

Croft Landfill Methane Collection System

Requesting Department/Division: Public Works/Solid Waste
Project Manager/Contact: Jason Weaver

Estimated Start Date: July 2012
Est. Completion Date: June 2013

Project Category: New Construction/Remediation

Project Status: New Project Request
Project Number: TBD

Project Description, Justification and Location

Project will provide for the installation of a methane gas collection system at the Croft Landfill. Equipment proposed to be installed would be similar in nature to that located at the Wellford Landfill. Gas extraction wells, piping, meters, flare, and related components would be installed to collect and destroy the methane gas. Installation of a system is necessary to prevent migration of methane gas off the closed landfill site. According to SCDHEC regulations, migration of methane gas off of a landfill site is prohibited. The project will ensure continued compliance with SCDHEC regulations.



Benefits to Residents, Visitors, Businesses, or County Employees

County residents and visitors will benefit from the collection and destruction of methane gas which is considered a greenhouse gas. If gas collection volumes are substantial, the ability to track and cell carbon credits associated with the destruction of the gas may be possible, increasing revenue for the County.



Impact on Annual Operating Budget

Operating budget impact associated with this project would be minimal.

Project Status (as of June 30, 2010)

New project request will funding scheduled for FY 2012/13.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2010/11	FY 2011/12	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2011-15 Totals
Croft Landfill Methane Gas Collection System									
<u>Expenditures</u>									
Planning/Design/Engineering	0	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0	0
Construction/Improvements	175,000	0	0	0	175,000	0	0	0	175,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
Total Expenditures	175,000	0	0	0	175,000	0	0	0	175,000
<u>Revenues</u>									
Methane Fund Transfer	175,000	0	0	0	175,000	0	0	0	175,000
Solid Waste Fund Transfer	0	0	0	0	0	0	0	0	0
Total Revenues	175,000	0	0	0	175,000	0	0	0	175,000