

# **SOLID WASTE**

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# Croft Landfill Methane Collection System

**Requesting Department/Division:** Public Works/Solid Waste  
**Project Manager/Contact:** Mike Garrett/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 February 1, 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
<b>Croft Landfill Methane Gas Collection System</b>									
<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
<b>Total Expenditures</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>
<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
<b>Total Revenues</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>

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