

Croft Landfill Methane Gas Extraction System

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

Estimated Start Date: July 2011
 Est. Completion Date: June 2012

Project Category: New Construction

Project Status: Planned/Programmed Project
 Project Number: TBD

Project Description, Justification and Location

Installation of an active methane gas extraction system with a flare at the Croft Landfill. With the installation of this system, methane gas can be collected and burned off through a candlestick flare that will result in keeping methane gas percentages in compliance with state regulations.

Benefits to Residents, Visitors, Businesses, or County Employees

This project will benefit the county by assuring compliance with state regulations regarding methane levels at landfills.

Impact on Annual Operating Budget

Additional operating costs of approximately \$10,000 annually will be added to the costs of operating the passive gas extraction system currently in place.

Project Status (as of June 1, 2008)

Planned/Programmed project scheduled for funding beginning FY 2011/12. Project was scheduled for funding in the FY 2008-12 CIP beginning FY 2008/09. Due to updated department priorities, and the desire to study the feasibility of partnering with a local industry to utilize the methane gas instead of burning it off, the project has been rescheduled for FY 2011/12.

Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
Croft Landfill Methane Gas Extraction System								
<u>Expenditures</u>								
Planning/Design/Engineering	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	65,000	0	0	0	0	65,000	0	65,000
Construction/Improvements	600,000	0	0	0	0	600,000	0	600,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total Expenditures	665,000	0	0	0	0	665,000	0	665,000
<u>Revenues</u>								
Solid Waste Revenue Bond - FY 2009/10	665,000	0	0	0	0	665,000	0	665,000
Total Revenues	665,000	0	0	0	0	665,000	0	665,000