



North Carolina Department of Environment and Natural Resources
 Division of Waste Management
 Solid Waste Section



INVOICE 2012

Make checks payable to **N.C. Division of Waste Management, Solid Waste Section**, include Permit Number and invoice number on check. If you are paying by electronic transfer, include the invoice number with your electronic transfer. [G.S. 25-3-506: A \$25.00 processing fee will be charged on all returned checks.] Please return a copy of this invoice with your payment.

Applicant Address:	Contact/Billing Information:	Facility Location Address:
	Ms. Gloria Moseley Edgecombe County Landfill PO Box 10 Tarboro, NC 27886	Mr. Mike Cummings Edgecombe County Landfill PO Box 10 Tarboro, NC 27886

INVOICE NUMBER	INVOICE DATE	DUE DATE	AMOUNT DUE
SW012-0019	3-13-2012		\$1,500.00

A. Permit Fee Requirements: Pursuant to North Carolina General Statute 130A-295.8 you are required to pay fee(s) based on your solid waste management activities. The fee(s) shall be used to support the solid waste management program. An application is deemed incomplete until all fees are received.

B. Explanation of Invoice Amount is Based on Facility's Current Permit Application

Facility Permit #	Facility Type	Application Type	Application Date	Fee	Total Amount
3301-MSWLF-1979	MSWLF	Modification Construct LFGCCS	3-24-2011	\$1,500.00	\$1,500.00
Total Amount Due					\$1,500.00
Amount Paid					\$0.00

C. Remit Payment (including a copy of this invoice) To:

Division of Waste Management
 Solid Waste Section
 1646 Mail Service Center
 Raleigh, NC 27699-1646
 Attn: Ellen Lorscheider

PAID
 CK. NO. 00321610 \$1,500.00
 DATE 3/26/2012

D. Solid Waste Contacts:

- Questions about billing process: Liz Patterson at (919) 707-8286 Ellen Lorscheider at (919) 707-8445
- Questions about the Regulations and Technical Assistance:
 Ed Mussler (919) 707-8231 Landfills, Transfer Stations
 Michael Scott (919) 707-8246 Land Application Sites, Compost Facilities

E. Update Your Information: Please indicate any changes in Facility or Contact Information.



March 23, 2011

Mr. Ming Chao
Environmental Engineer II
NCDENR-DWM-Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605

**Reference: Request for Approval to Construct a Landfill Gas
Collection and Control System**

Edgecombe County Landfill (Permit No. 33-01)
Tarboro, North Carolina
S&ME Project No. 1054-07-240F

Dear Mr. Chao:

On behalf of Edgecombe County, S&ME, Inc. (S&ME) is submitting a request for approval to construct an active landfill gas collection and control system (LFGCCS) at the Edgecombe County Landfill near Tarboro, North Carolina. Enclosed, please find the system design of the active LFGCCS.

Projected LFG flow rates are based on U.S. EPA LandGEM modeling software results and the results of the LFG pilot test conducted by S&ME personnel in October 2008.

BACKGROUND

Edgecombe County currently operates a construction and demolition (C&D) landfill (Permit No. 33-01) on top of a closed municipal solid waste (MSW) landfill on a tract of land located off of State Road 1601 (2872 Colonial Road) in Edgecombe County, south of Tarboro, North Carolina (**Figure 1**).

The existing LFG system is located in the western and central portion of the landfill and includes 60 passive LFG vents. These vents consist of perforated 6-inch diameter high density polyethylene (HDPE) pipe surrounded by gravel. Twelve (12) of the existing vents (V-1 thru V-9 and V-43 thru V-45) were extended above the ground surface with perforated HDPE pipe to accommodate an additional lift of C&D waste. Five (5) of the existing vents (V-46 thru V-49 and V-60) were extended using perforated schedule 40 PVC pipe surrounded by gravel topped with solid 6-inch diameter HDPE pipe to accommodate an additional lift of waste. The remaining 28 vents extend approximately 2 to 3 feet above the ground surface with solid HDPE pipe and elbows in a "candy cane" configuration.

LFGCC SYSTEM DESIGN

The LFGCCS has been designed under the assumption that LFG will be captured and combusted with a flare system. Once the flare system is installed and actual LFG flow



ENGINEERING INTEGRITY.

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