



CITY OF DURHAM | NORTH CAROLINA

Date: November 22, 2011

To: Thomas J. Bonfield, City Manager
Through: Theodore L. Voorhees, Deputy City Manager
From: Donald F. Greeley, Director, Water Management
Jerry F. Morrone, Utility Engineering Supervisor
Subject: Environmental and Engineering Services for the City of Durham Closed Landfill

Executive Summary

The Department of Water Management issued a Request for Qualifications (RFQ) for Professional services in June of 2011. The geology and engineering firm of Golder and Associates was selected and a contract negotiated for a four year term of service totaling \$135,100. This contract provides for professional consulting services for continued monitoring and compliance services for the City's closed sanitary landfill.

Recommendation

The Department of Water Management recommends that the City Council:

1. Authorize the City Manager to execute a contract with Golder Associates NC, Inc. (Golder) for professional services for the closed sanitary landfill in the total amount not to exceed \$135,100.00; and
2. Establish a contingency amount of \$13,000.00; and
3. Authorize the City Manager or his designee to negotiate change orders for the contract provided that the cost of all change orders does not exceed \$13,000.00 and the total project cost does not exceed \$148,100.00.

Background

Groundwater monitoring on a semi-annual basis at the closed City of Durham Sanitary Landfill is required by the North Carolina Department of Environment and Natural Resources (NCDENR) for at least thirty years after the landfill is closed. NCDENR also requires quarterly landfill gas (LFG) monitoring. The landfill, located at 2115 East Club Boulevard, was closed on 1998. The present contract for these services has expired and a new Request for Proposal was issued in order to select a firm to perform these services.

The contractor is responsible for measuring groundwater levels and obtaining groundwater, surface water, and LFG samples from NCDENR-approved monitoring wells and locations. The sampling data is analyzed to evaluate the groundwater flows and groundwater and LFG quality. A report is also to be provided for approval by the City and subsequent submittal to the NDENR for regulatory compliance. The contractor will also perform inspection services of the landfill cap and stormwater conveyance systems; as well review the LFG extraction

system results. The work to be performed is important to insure that the City is in compliance, and to avoid unnecessary remedial actions.

Issues/Analysis

In order to select a contractor to perform these services, a Request for Proposal was prepared, and advertised. Responses were received from the following firms:

A1 Consulting	Golder & Associates NC,
CDM	Pyramid
Duncklee & Dunham	S&ME
Ed Aguirre and Assoc.	SCS Engineers
GEL Engineering	

A selection committee made up of staff from Water Management, Solid Waste and Equal Opportunity/ Equity Assurance selected Golder. This firm has performed these services for many North Carolina landfills, is familiar with State regulations and has impressive references for similar work done for others. In their proposal they also proposed efficiencies and improvements to the contract that presented significant value to the City.

Golder has extensive solid waste management expertise and experience. This experience qualifies them to perform the groundwater monitoring tasks as well as other landfill closure-related environmental tasks. In addition, this firm is qualified to provide inspection and evaluation services for the landfill gas collection system and other environmental aspects of maintaining the closed landfill, if needed.

Alternatives

This service is required by State and Federal solid waste regulations. The only alternatives would be to select another less qualified firm or for the City to hire additional staff capable of performing the work and do this monitoring internally.

Financial Impacts

The cost of this service varies depending on the level of laboratory testing required. The contract amount of \$135,100.00 covers four (4) years of semi-annual groundwater sampling, quarterly LFG sampling, semi-annual LFG extraction system review, biennial inspections, general consulting, and contingency. This money is included in the regular operations budget for the closed landfill in the Solid Waste Fund, 5400P710-728800.

FY 2011-2012	\$ 31,900.00
FY 2012-2013	\$ 34,800.00
FY 2013-2014	\$ 32,700.00
FY 2014-2015	<u>\$ 35,700.00</u>
Total Contract Amt:	\$ 135,100.00
Contingency:	<u>\$ 13,000.00</u>
Grand Total:	\$ 148,100.00

SDBE Summary

The Equal Opportunity/Equity Assurance Department reviewed the proposal submitted by Golder Associates NC, Inc. of Greensboro, North Carolina and have determined that they are in compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.

SDBE REQUIREMENTS

No MSDBE or WSDBE goals were set.

WORKFORCE STATISTICS

Workforce statistics for Golder Associates, Inc. are as follows:
(Corporate)

Total Workforce	1230	
Total Females	396	(32%)
Total Males	834	(68%)
Black Males	8	(1%)
White Males	741	(60%)
Other Males	85	(7%)
Black Females	18	(1%)
White Females	332	(27%)
Other Females	46	(4%)

Attachments

Scope of Services