
THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

February 23, 2010

Mr. Jimmy Wise
Sumter County Solid Waste Recycling Facility
835 County Road 529
Lake Panasoffkee, Florida 33538

Subj: Proposal for Hydrogeological Services
Sumter County Closed Landfill
Quarterly Water Quality Sampling, Analysis and Reporting
Annual Gas Migration Sampling and Reporting
Quarter II 2010 Through Quarter I 2011
TCG Proposal No. P-431

Dear Mr. Wise:

The Colinas Group, Inc. (TCG) is pleased to submit this proposal and fee estimate to complete the following Scope of Services for routine FDEP monitoring for the Sumter County Closed Landfill. This proposal provides for professional services for:

Four (4) quarterly water quality sampling/reporting events over the period Quarter II 2010 through Quarter I 2011, and;

One (1) annual landfill gas migration sampling event and reporting due to the FDEP by December 15, 2010.

SCOPE OF SERVICES

TCG will provide qualified professional labor to complete the following work items to support Sumter County Solid Waste Department in compliance with FDEP long-term-care permit conditions and the groundwater monitoring requirements of FDEP Rule 62-701, F.A.C.:

1. Provide personnel and equipment to properly measure water levels and collect groundwater samples throughout the monitoring network at the Sumter County Closed Landfill, in accordance with the requirements of the latest issue of the FDEP SOP for Field Activities;

2. Provide certified commercial laboratory analytical services to analyze collected water samples and prepare analytical reports in accordance with FDEP formatting and reporting requirements;
3. Preparation of the Quarterly Groundwater Monitoring Report for the Sumter County Closed Landfill, suitable for submission to the FDEP, and;
4. Completion of one (1) landfill gas sampling event and preparation of a Gas Migration Report suitable for submission to the FDEP.

TCG will use groundwater level measurements, field test measurements and laboratory results from analyses of collected water samples to complete the quarterly data reporting requirements of the FDEP. The Quarterly Groundwater Monitoring Reports for the Sumter County Closed Landfill will be prepared in accordance with the requirements of FDEP Rule 62-701.510(9)(a), F.A.C.

The Quarterly Reports for Sumter County will include, but may not be limited to:

- a. Facility basic information, sample collection dates and laboratory analyses dates;
- b. Original laboratory report results, QA/QC notations for analytical results, method detection limits, applicable water quality standards and STORET code numbers for all parameters analyzed;
- c. Maps showing monitoring locations for groundwater and monitoring point identification numbers;
- d. Water level measurements, measuring point elevations and land surface elevations at each monitoring point reported to a precision of 0.01 feet NGVD(1929);
- e. Updated groundwater contour maps, with contour intervals no greater than 1 foot, indicating groundwater elevations and direction of groundwater flow;
- f. Summary of any water quality standards or criteria that are exceeded, and;
- g. FDEP Electronic Data Deliverable created with FDEP's ADaPT program.

The annual Gas Migration Report will include results of field methane gas measurements at gas vents, gas probes and inhabited closed work areas and a map showing locations of measuring points within the landfill property.

FEES AND COSTS

TCG proposes to complete the above Scope of Services on a not-to-exceed fee basis in accordance with our personnel standard hourly fee rates. Analytical laboratory services will be subcontracted to an FDEP-approved and certified commercial analytical laboratory. Total professional fees, laboratory costs and

other direct costs to complete four (4) Quarterly Groundwater Monitoring Sampling Events and Reports and one (1) annual Gas Sampling/Reporting Event for the Sumter County Closed Landfill over the coming one-year period are presented below, as follows:

TCG Professional Labor	\$ 24,140.00
Subcontract Analytical Laboratory	18,097.00
TCG Other Direct Costs:	
Travel (1,000 miles @\$0.45/mi.)	450.00
Field instrument rental, expendable field sampling supplies, telephone charges, miscellaneous office supplies	<u>850.00</u>
TOTAL FEES AND COSTS	\$ 43,537.00

A breakdown of fees and direct costs to complete each of the four (4) routine quarterly sampling/reporting events and one (1) gas sampling/reporting event is provided below. A breakdown of professional labor fees is provided in Attachments A and B to this proposal.

Fees and Costs by Quarter

	QTR II 2010	QTR III 2010	QTR IV 2010	QTR I 2011	Total Cost
Professional Labor	\$ 5,785.00	\$ 5,785.00	\$ 6,785.00	\$ 5,785.00	\$ 24,140.00
Laboratory Cost	\$ 3,916.00	\$ 3,916.00	\$ 6,349.00	\$ 3,916.00	18,097.00
Other Direct Cost	\$ 325.00	\$ 325.00	\$ 325.00	\$ 325.00	1,300.00
Quarter Total	\$10,026.00	\$10,026.00	\$13,459.00	\$10,026.00	\$ 43,537.00
Total One-Year Fees and Costs					\$ 43,537.00

Higher total quarter cost for Quarter IV 2010 is the result of the annual gas sampling and reporting event required by the county's FDEP long-term-care permit, Specific Condition No.10 and increased laboratory costs required by the expanded once-per-year (Quarter IV) monitoring parameter list provided for in the FDEP long-term-care permit, Specific Condition No.16d.

PROJECT COMPLETION

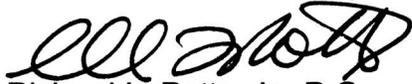
We estimate approximately 45 days to complete each sampling event and deliver the written and bound Quarterly Groundwater Monitoring Report for each quarter, including the Gas Migration Report for Quarter IV 2010. TCG will prepare reports

for submission to the FDEP on or before the reporting deadlines for each quarter specified in the landfill's long-term-care permit.

TCG will prepare one (1) draft electronic copy of the report via email for review and approval by Sumter County. Upon approval, we will prepare and submit three (3) final copies of the report: One (1) report is intended for submission to the FDEP Southwest District Office in Tampa; the remaining two (2) reports are for the County's files.

I trust this proposal is suitable for your budget and contracting needs, If you have any questions or require further information, please do not hesitate to contact me at your convenience.

Very truly yours,
THE COLINAS GROUP, INC.



Richard L. Potts, Jr., P.G.
Principal Consultant
FL P.G. Reg. No.1113

ATTACHMENT A

**SUMTER COUNTY CLOSED LANDFILL
QUARTERLY SAMPLING AND REPORTING**

**MAN-HOURS BY LABOR CATEGORY
PER SAMPLING/REPORTING EVENT**

Labor Category	Proj. Man. and Admin.	Field Sampling	Data Reduction	Lab QA/QC	Data Analysis	Report Prep.	Total Hours
Principal Consultant	4	---	---	---	2	4	10
Sr. Hydrogeologist	---	2	4	2	8	8	24
Field Personnel	---	24	---	---	---	---	24
Draftsperson	---	---	---	---	---	4	4
Clerk/Word Processor	---	---	4	---	---	6	10

PROFESSIONAL LABOR FEE

Principal Consultant	10 Hours @ \$120.00/Hour.....	\$ 1,200.00
Sr. Hydrogeologist	24 Hours @ \$100.00/Hour.....	2,400.00
Field Personnel	24 Hours @ \$ 65.00/Hour.....	1,560.00
Draftsperson	4 Hours @ \$ 50.00/Hour.....	200.00
Clerk/Word Proc.	10 Hours @ \$ 42.50/Hour.....	<u>425.00</u>
TOTAL LABOR FEE		\$ 5,785.00

ATTACHMENT B

**SUMTER COUNTY CLOSED LANDFILL
ANNUAL GAS MIGRATION SAMPLING/REPORTING**

**MAN-HOURS BY LABOR CATEGORY
PER SAMPLING/REPORTING EVENT**

Labor Category	Proj. Man. and Admin.	Field Sampling	Data Reduction	Lab QA/QC	Data Analysis	Report Prep.	Total Hours
Principal Consultant	---	---	---	---	---	---	---
Sr. Hydrogeologist	1	---	---	---	---	2	3
Field Personnel	---	10	---	---	---	---	10
Draftsperson	---	---	---	---	---	1	1
Clerk/Word Processor	---	---	---	---	---	---	---

PROFESSIONAL LABOR FEE

Principal Consultant	0 Hours @ \$120.00/Hour.....	\$ 0.00
Sr. Hydrogeologist	3 Hours @ \$100.00/Hour.....	300.00
Field Personnel	10 Hours @ \$ 65.00/Hour.....	650.00
Draftsperson	1 Hours @ \$ 50.00/Hour.....	50.00
Clerk/Word Proc.	0 Hours @ \$ 42.50/Hour.....	0.00
	TOTAL LABOR FEE	\$ 1,000.00