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**Golder
Associates**

RECEIVED
2/12/99

VIA FACSIMILE AND U.S. MAIL

FAXED
2/10/99

February 10, 1999

P99-3922

Nassau County Board of County Commissioners
3163 Bailey Road
P.O. Box 1010
Fernandina Beach, Florida 32035

Attn: Mr. Walter D. Gossett
County Coordinator

RE: PROPOSAL FOR TITLE V AIR PERMITTING SERVICES
WEST NASSAU CLASS I LANDFILL
NASSAU COUNTY, FLORIDA

Dear Mr. Gossett:

Golder Associates Inc. (Golder Associates) is pleased to submit this proposal and cost estimate to Nassau County for professional services in support of a Title V Air Permit Application for the West Nassau Landfill in Nassau County. We have performed a preliminary review of the information provided to us by the County on January 15, 1999, which included the Title V Permit Application dated September 25, 1998 submitted to the Florida Department of Environmental Protection (FDEP) by Mr. Robert McIntyre and Mr. Chris Kirkland of Nassau County, and the comments received from FDEP, dated October 23, 1998, to that application. Based on this review, we have developed work tasks that we believe will be required to obtain the Title V Air Permit for the West Nassau Landfill. It should be noted that, based on our experience with Title V Air Permit Applications for landfills, the previous submittal by Nassau County did not contain several items that are typically required by the FDEP for a complete Title V Permit Application. However, these missing items were not specifically identified in the FDEP comment letter of October 23, 1998. We recommend that the submittal to be prepared by Golder Associates include these items since they will most likely ultimately be required by the FDEP before the Title V Permit is issued. We have developed the work tasks based on the assumption that Nassau County will agree with this recommendation.

APPROVED

DATE 2/22/99 *JUL*

SCOPE OF SERVICES

Task 1 - Review Application

The initial work task will involve the thorough review of the Title V Permit Application submitted by Nassau County to the FDEP on September 25, 1998, as well as previous submittals by the County's former consultant, to evaluate what information on the landfill is available for use in preparing our submittal and for determining what information the FDEP has been provided regarding Title V issues. Upon completion of this review, Golder Associates will prepare a list of items required to complete the Title V Permit Application and to address FDEP comments. These items are expected to include all supplemental information required in the facility identification section of the permit application, as well as emissions estimates and documentation. The scope of services for Task 3 presents further details on items in the supplemental information. This task will be completed approximately one week from receipt of written notice to proceed.

Task 2 - Address FDEP Comments

Upon receipt of the information requested under Task 1, the FDEP comments will be addressed. This includes the preparation of a Compliance Report and Plan, the determination of the applicability of a Risk Management Plan (RMP), clarification of the operating days per year, and the amount of waste received at the facility on an annual basis. The Compliance Report and Plan will initially be prepared in draft form to be submitted to the County for review prior to finalization. The appropriate forms for the Certification Statement for the Title V Application for the present submittal will be prepared for signature by Nassau County's Responsible Official (assumed to be Mr. Robert McIntyre, County Solid Waste Director). The Compliance Certification for the Compliance Report and Plan will also be prepared. The appropriate forms for these certifications will be signed and sealed by a professional engineer (P.E.) registered in the State of Florida.

Preparation of a response letter to the FDEP comments and the draft Compliance Report and Plan, which is the most time consuming effort in this task, is estimated to take approximately two weeks to complete, following receipt of the required information from the County and/or obtained from FDEP (see Task 1). Following receipt of any County comments on the response letter and draft plan, the submittal will be finalized within one week.

Task 3 - Prepare Supplemental Items

As discussed previously, Golder Associates has identified several items that are typically required with a Title V Air Permit Application, but that were not included in the County's previous submittal. The work under this task will be more completely defined under Task 1, but includes items such as:

- a process flow diagram;
- a description of precautions to prevent unconfined particulate emissions and fugitive emissions;

- a list of exempt activities; and
- and a description of alternate methods of operation.

The most significant work to be included under this task is the performance of the emissions calculation and documentation. This work includes an estimation of all regulated air pollutants using the Environmental Protection Agency's (EPA's) Landfill Air Emissions Model (LANDWIN) that could be present in the landfill gas. The estimation of methane will be used to determine the need for a Risk Management Plan. All inputs and outputs will be included to document assumptions made and emissions represented in the Title V Air Permit Application package.

The time estimated to complete this task is three weeks, but this work will be conducted concurrent with the work conducted under Task 2. This assumes that Nassau County provides information as requested to complete the supplemental information required by the permit application forms within one to two weeks of project start (as described in Task 1).

SCHEDULE

As discussed under the Scope of Services, the overall timeframe to complete Tasks 1 through 3 is approximately four weeks. However, this schedule does not include time waiting for additional information from the County which is identified during Task 1, nor does it include County review time of the draft documents to be prepared under Tasks 2 and 3. Assuming an additional three weeks are required for transmittal of additional information and review of draft documents by the County, Golder Associates will require notice to proceed from the County no later than March 1, 1999 in order to meet the April 21, 1999 response deadline imposed by the FDEP in a letter to the County dated December 7, 1998.

COST ESTIMATE

Golder Associates' cost estimate to complete this work is \$9,033.00 based on the scope of services as outlined above. A detailed breakdown of this cost estimate is presented in Table 1, which is attached to this letter.

Golder Associates proposes to perform this work on a cost reimbursable not-to-exceed basis in accordance with the labor and unit rates listed in Table 1. The County will only be billed actual hours and expenses incurred on the project for work within the agreed scope of work. Direct expenses will be marked-up 10 percent for administrative purposes. Photocopies, computer and CADD time will be billed at the unit rates listed in Table 1. Travel and communications costs will not be billed to Nassau County as stated in our August 1998 proposal. The cost estimate will not be exceeded without prior authorization from Nassau County.

TERMS AND CONDITIONS

This work will be performed under the agreement for solid waste engineering services which is currently being negotiated between Golder Associates and the County.

SUMMARY

Golder Associates has prepared the above scope of services and cost estimates to assist Nassau County in obtaining a Title V Air Permit for the West Nassau Landfill. The above costs include the preparation of an initial submittal to FDEP that both addresses FDEP specific comments and provides information that was not included in the County's original submittal, and the cost to address another two additional sets of FDEP comments if needed. This cost does not include an RMP to be submitted to EPA by the June 21, 1999 submittal deadline, if required. If Golder Associates determines this regulation is applicable to the West Nassau Landfill, Golder Associates can provide an estimate to provide these additional services above and beyond the Title V permit application requirements described herein.

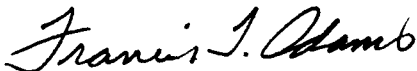
Golder Associates appreciates this opportunity to be of service to Nassau County providing a timely and cost-efficient approach to air permitting compliance issues. If you have any questions regarding this proposal, please call either of the undersigned at (904) 363-3430, at your earliest convenience.

Very truly yours,

GOLDER ASSOCIATES INC.



for Leesa N. Gerald
Environmental Scientist



Francis T. Adams, P.E.
Senior Project Manager

FTA/LNG:ksh

Attachment

FN: c:\kameron\proposals\p99-3922.doc

TABLE 1
Cost Estimate
Title V Air Permitting Services
West Nassau Landfill
Callahan, Nassau County, Florida

LABOR		LABOR CATEGORY AND RATE										TOTAL HOURS	SUBTOTAL LABOR
		Principal \$130	Associate \$110	Senior Proj. Mgr. \$105	Senior Engineer \$95	Project Engineer \$75	Staff Engineer I \$60	Staff Engineer II \$55	Drafting \$45	Technician \$40	Clerical \$40		
TASK	DESCRIPTION												
1	Review Application	0	0	2	0	0	12	0	0	0	0	14	\$930
2	Address FDEP Comments	0	0	4	0	0	30	0	0	0	6	40	\$2,460
3	Prepare Supplemental Items	0	0	8	0	0	64	0	0	0	12	84	\$5,160
TOTALS:		0	0	14	0	0	106	0	0	0	18	138	\$8,550

EXPENSES		Field Vehicle (day) \$75	Per Diem (day) \$25	Commun- ications (est.)	Mileage (mile) \$0.31	Shipping/ Postage (est.)	Lab Testing (est.)	Office Computer (hr) \$10	AutoCAD Computer (hr) \$20	Photo- copying (each) \$0.16	Field Equipment (est.)	Subcon- tractors (est.)	SUBTOTAL EXPENSES
TASK	DESCRIPTION												
1	Review Application	0	0	\$0	0	\$0	\$0	0	0	250	\$0	\$0	\$38
2	Address FDEP Comments	0	0	\$0	0	\$0	\$0	6	0	500	\$0	\$0	\$135
3	Prepare Supplemental Items	0	0	\$0	0	\$0	\$0	16	0	1,000	\$0	\$0	\$310
TOTALS:		\$0	\$0	\$0	\$0	\$0	\$0	\$220	\$0	\$263	\$0	\$0	\$483

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
1	Review Application	\$930	\$38	\$968
2	Address FDEP Comments	\$2,460	\$135	\$2,595
3	Prepare Supplemental Items	\$5,160	\$310	\$5,470
TOTALS		\$8,550	\$483	\$9,033