

**Golder Associates Inc.**

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**VIA FACSIMILE AND U.S. MAIL**

September 8, 2000

993-3928.22

Mr. Walter D. Gossett, County Coordinator  
Nassau County Board of County Commissioners  
P.O. Box 1010  
3163 Bailey Road  
Fernandina Beach, Florida 32035

**RE: ADDENDUM NO. 2 TO COST PROPOSAL FOR WELL ABANDONMENT  
LOFTON CREEK LANDFILL, NASSAU COUNTY, FLORIDA**

Dear Mr. Gossett:

As you requested, Golder Associates Inc. (Golder) has prepared this Addendum No. 2 to our cost proposal, dated April 3, 2000, with an addendum dated July 10, 2000, to abandon several monitoring wells associated with Lofton Creek Landfill in Nassau County, Florida. The April 2, 2000 cost proposal totaling \$5,785 was presented to, and approved by, the Nassau County Board of County Commissioners (Board) at the Board meeting of April 10, 2000, pending agreement from Rayland to reimburse the County for these services. After a site visit with Rayland, the scope of work was reduced to include only two well locations on the Rayland property and our cost was decreased to \$5,400 (Addendum No. 1). This cost was agreed to by Rayland in a letter to you dated July 20, 2000. During subsequent conversations with Mr. Bob McIntyre, Nassau County Solid Waste Director, it was agreed that Golder would abandon a third well cluster not on Rayland property and that our original cost included in the April 3, 2000 proposal to the County would be sufficient. Upon further evaluation by the County, Golder has been requested to revise our proposal to include three additional well clusters. The estimated additional costs for this work are included herein.

**ADDITIONAL SCOPE OF SERVICES**

For consistency and ease of review, we have used the same three tasks that were proposed in our April 3, 2000 cost proposal. Under the first task, Task 001 - Obtain Approval from FDEP, Golder has included additional costs for preparing the letter to FDEP. However, unlike in the April 3, 2000 proposal, we have assumed that FDEP will have some minor comments to the letter requesting approval for abandonment, which, in turn, will require responses. We have assumed that only one set of comments and responses will be required. For Task 002 - Well Abandonment, there are additional subcontractor costs and additional labor and expenses for Golder's oversight associated with the additional well abandonment. The original proposal included the abandonment of eight wells (MW-14S, MW-14I, MW-14D, MW-16S, MW-16I, MW-16D, MW-17S, and MW-17I). Between the wells included per the addendum for Rayland and the additional list provided by the County, seven wells have been added (MW-17D, MW-20S, MW-20I, MW-20D, MW-24S, Piezo A, and Piezo B<sup>1</sup>). However, the subcontract work

**APPROVED**

DATE 9/18/00 JKB

<sup>1</sup> The wells/piezometers that were not identified by the County or in the field have been designated as Piezo A and Piezo B.

for the well abandonment is estimated based on a footage basis, plus mobilization. The additional wells to be abandoned result in an additional 556 feet of well abandonment; the original total footage was 230 feet. Therefore, the well abandonment footage has increased by almost 3.5 times. Golder has also included additional labor and expenses for including the additional wells in the report (Task 003) to be prepared after the abandonment is complete.

## **SCHEDULE**

Assuming this additional cost proposal is presented to the Board at its meeting of September 13, 2000 and it is approved that same date, Golder will prepare the letter for FDEP within one week. Once approval is obtained from FDEP, we can mobilize to the field within two weeks (dependant upon subcontractor's schedule). It is anticipated that the additional work will extend the field work schedule by two days. The total field effort is anticipated to take no more than three days. Upon completion of the field work, the reports will be submitted to SJRWMD and FDEP, after review by the County, within three weeks.

## **COST ESTIMATE**

The attached Table 1 provides a detailed breakdown of the additional costs as well as a summary of the total project costs. As shown, the additional costs for abandoning the wells added to the scope of work is \$4,770.00. This reflects the additional work anticipated obtaining FDEP approval, abandoning 7 additional wells (556 total additional feet), and some additional reporting costs. Combined with the April 3, 2000 cost, the total cost to obtain approval from FDEP, abandon all the wells requested by the County, and report on the well abandonment to FDEP and SJRWMD, is \$10,555.00. As always, the final cost to the County will be based on actual time spent by personnel working on the project and expenses attributed to the project.

## **TERMS AND CONDITIONS**

The same terms and conditions as referenced in the April 3, 2000 cost proposal will apply to this work.

Golder appreciates this opportunity to provide continuing professional services to Nassau County. If you have any questions regarding this addendum, please do not hesitate to call.

Very truly yours,

GOLDER ASSOCIATES INC.



Wendy D. Karably  
Senior Project Manager/Associate

cc: Mr. Robert P. McIntyre, Nassau County Solid Waste Director (via fax only)  
FN: G:/PROJECTS/993-3928/PROPOSAL/wellabr2.doc

**TABLE 1**  
**Cost Estimate**  
**Additional Well Abandonment**  
**Lofton Creek Landfill**  
**Nassau County, Florida**

LABOR		LABOR CATEGORY AND RATE										TOTAL HOURS	SUBTOTAL LABOR
		Principal \$130	Associate \$110	Senior Prof. Mgr. \$105	Senior Engineer \$95	Project Engineer \$75	Staff Engineer I \$60	Staff Engineer II \$55	Drafting \$45	Technician \$40	Clerical \$40		
TASK	DESCRIPTION												
001	Obtain FDEP Approval	0	6	0	0	0	2	0	0	0	2	10	\$860
002	Well Abandonment	0	2	0	0	0	16	0	0	0	0	18	\$1,180
003	Reporting	0	2	0	0	0	4	0	2	0	2	10	\$630
<b>TOTALS:</b>		<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>38</b>	<b>\$2,670</b>

EXPENSES		Field Vehicle (day) \$75	Per Diem (day) \$25	Communi- cations (est.)	Mileage (mile) \$0.33	Shipping/ Postage (est.)	Lab Testing (est.)	Office Computer (hr) \$10	AutoCAD Computer (hr) \$20	Photo- copying (each) \$0.15	Field Equipment (est.)	Subcon- tractors (est.)	SUBTOTAL EXPENSES
TASK	DESCRIPTION												
001	Obtain FDEP Approval	0	0	\$0	0	\$0	\$0	0	0	0	\$0	\$0	\$0
002	Well Abandonment	2	0	\$0	0	\$0	\$0	0	0	0	\$0	\$1,875	\$2,025
003	Reporting	0	0	\$0	0	\$0	\$0	2	2	100	\$0	\$0	\$75
<b>TOTALS:</b>		<b>\$150</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$20</b>	<b>\$40</b>	<b>\$15</b>	<b>\$0</b>	<b>\$1,875</b>	<b>\$2,100</b>

ADDITIONAL WELL ABANDONMENT COST SUMMARY					TOTAL PROJECT COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL	TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
001	Obtain FDEP Approval	\$860	\$0	\$860	001	Obtain FDEP Approval	\$1,730	\$33	\$1,763
002	Well Abandonment	\$1,180	\$2,025	\$3,205	002	Well Abandonment	\$2,120	\$4,653	\$6,773
003	Reporting	\$630	\$75	\$705	003	Reporting	\$1,720	\$300	\$2,020
<b>TOTALS</b>		<b>\$2,670</b>	<b>\$2,100</b>	<b>\$4,770</b>	<b>TOTALS</b>		<b>\$5,570</b>	<b>\$4,985</b>	<b>\$10,555</b>