

**Golder Associates Inc.**

8933 Western Way, Suite 12  
Jacksonville, FL USA 32256  
Telephone (904) 363-3430  
Fax (904) 363-3445



01 OCT - 1 13:00

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

October 2, 2001

993-3928.35

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: ADDITIONAL WORK ORDER UNDER GENERAL CONSULTING SERVICES  
PERMIT MODIFICATIONS AND OPERATIONAL ISSUES  
WEST NASSAU CLASS I LANDFILL

Dear Mr. Gossett:

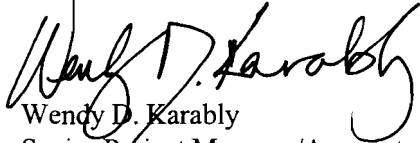
This correspondence transmits an additional Work Order from Golder Associates Inc. (Golder) to the Nassau County Board of County Commissioners (Board) for Golder to perform work associated with the above referenced project. This work order has been prepared for inclusion under the General Consulting Services task order that was approved by the Board at its February 26, 2001 meeting. Attached are two copies of Exhibit A to the Agreement for Consulting Services between Golder and the County, dated February 22, 1999 (Agreement). Exhibit A is a Work Order including the Scope of Work (Attachment A) and a Rate Schedule (Attachment B). The Scope of Work and Rate Schedule were compiled based on additional work required to that previously estimated, primarily stemming from a meeting with the Florida Department of Environmental Protection (FDEP). Much of the work included in this Work Order will be performed by Golder's subcontractor S2L, Incorporated (S2Li); Golder will conduct submittal reviews and provide project management. Attachment C includes a letter from S2Li that provides a description of the scope of services and the anticipated costs for the work to be performed by S2Li only. For tracking purposes, this work will be conducted under a new task, Task 003, under this work order. This work will be conducted under the Terms and Conditions included in the Agreement.

Golder has submitted this Work Order so that it can be included on the October 8, 2001 Board Meeting Agenda. If this Work Order is approved at that meeting, both of the attached copies should be signed and returned to Golder Associates. We will sign both copies and return one to you for the Board's records.

Golder appreciates the Board's consideration of this request for Work Order approval. If there are any questions on the attached Work Order, please call. If there are no questions, please sign and return the attachments as soon as possible.

Very truly yours,

GOLDER ASSOCIATES INC.



Wendy D. Karably  
Senior Project Manager/Associate

Attachments

cc: Mr. Robert McIntyre, Solid Waste Director  
Omar Smith – S2Li

FN: g:\projects\993-3928\35\WO Revised Scope.doc

**EXHIBIT A**

WORK ORDER NUMBER 993-3928.35.003

This Work Order, when approved and signed, supplements the Agreement for Consulting Services ("Agreement") effective February 22, 1999 between Golder Associates Inc. ("Golder") and the Nassau County Board of County Commissioners ("Board"). Except as modified herein, all requirements of the Agreement remain in full force and effect.

ARTICLE I - SCOPE OF SERVICES

Golder shall perform professional services ("Work") as described in Attachment A to this Work Order. Work may be modified based on field conditions.


ARTICLE II - TIME OF COMMENCEMENT AND COMPLETION

Golder shall commence performance of the Work on or about September 1, 2001 and the work is estimated to be completed on or before December 31, 2001.

ARTICLE III - COMPENSATION

Board shall compensate Golder on a Cost Reimbursable basis in accordance with the rates identified in Golder's rate schedule presented in Attachment B to this Work Order. The maximum cost of this Cost Reimbursable Work Order is \$23,750 (Twenty-three thousand, seven hundred and fifty dollars) and shall not be exceeded without prior written authorization from the Board.

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

By: 

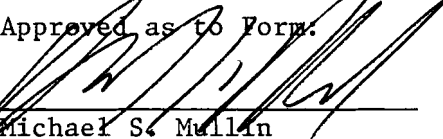
Name: Marianne Marshall

Title: Chairman

Date: October 15, 2001

Attest: 

J.M. "Chip" Oxley, Jr.,  
Ex-Officio Clerk

Approved as to Form:   
Michael S. Mullin  
County Attorney

GOLDER ASSOCIATES INC.

By: 

Name: WENDY D. KARABLY

Title: Associate

Date: October 31, 2001

## ATTACHMENT A

### ADDITIONAL SCOPE OF WORK

- A. Prepare responses to FDEP comments on the Minor Permit Modification regarding the revised sequencing for the new landfill cells. This work includes preparation of draft responses for review by County, attendance at meeting with FDEP to discuss preliminary responses, revise and submit draft revised responses to County for review, and finalize and submit responses to FDEP.
- B. As discussed at the September 18, 2001 meeting with FDEP, there are some specific requirements for relocating the existing yard trash area. This work includes preparation of the registration form for yard trash facility, prepare a processing plan, prepare demonstration that facility is in compliance with prohibition section of the rules, submit draft for County review, and finalize and submit to FDEP.
- C. Preparation of a minor permit modification application for filling in the southwest corner of the existing landfill. This work includes preparation of the application form, preparation of phase sequencing in plan view, update cross sections, submit draft package to County for review, finalize and obtain signatures from County staff, sign and seal documents, and submit final package to FDEP.
- D. Address additional comments from FDEP regarding the above-described submittals. It is noted that the effort required to address FDEP comments, if any, is unknown and this effort has been estimated assuming a reasonable amount of comments.

The attached Table 1 includes the estimated costs associated with each of the above items separately. However, the invoicing associated with this work will all be included under Task 003. Also, it should be noted that although S2Li is performing most of the work, Table 1 includes S2Li's costs as subcontractor costs, with no breakdown. However, Attachment C provides a breakdown of the S2Li costs as provided by S2Li.

TABLE 1

**Additional Cost Estimate  
General Consulting Services Associated with  
Permit Modifications and Operational Issues  
West Nassau Landfill  
Callahan, Nassau County, Florida**

LABOR		LABOR CATEGORY AND RATE												TOTAL HOURS	SUBTOTAL LABOR
		Principal \$135	Associate \$120	Senior Proj. Mgr. \$105	Senior Engineer \$95	Project Engineer \$75	Staff Engineer II \$65	Staff Engineer I \$55	Senior Draftsman \$55	Drafting \$45	Senior Technician \$55	Technician \$45	Admin. Assistant \$45		
TASK	DESCRIPTION														
003															
A	Responses to Minor Permit Mod. - New Cells	0	18	0	0	6	0	0	0	0	0	0	2	26	\$2,700
B	Yard Trash Registration and Operations Plan	0	2	0	0	0	0	0	0	0	0	0	0	2	\$240
C	SW Corner Minor Permit Mod.	0	4	0	0	6	0	0	0	0	0	0	0	10	\$930
D	Address FDEP Comments	0	6	0	0	2	0	0	0	0	0	0	2	10	\$960
	<b>TOTALS:</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>48</b>	<b>\$4,830</b>

EXPENSES		Field Vehicle (day)	Per Diem (day)	Commun- ications (est.)	Mileage (mile)	Shipping/ Postage (est.)	Golder Lab Testing (est.)	Office Computer (hr)	Photo- copying (each)	AutoCAD Computer (hr)	Misc. Equipment/ Expenses (est.)	Drawing Reproduction Expenses (est.)	Laboratory Subcontr. (est.)	S2Li Sub- contractor (est.)	SUBTOTAL EXPENSES
TASK	DESCRIPTION	\$55	\$25		\$0.345			\$10	\$0.15	\$20					
001															
A	Responses to Minor Permit Mod. - New Cells	0	0	\$20	0	\$50	\$0	4	75	0	\$0	\$0	\$0	\$7,577	\$7,698
B	Yard Trash Registration and Operations Plan	0	0	\$0	0	\$0	\$0	2	25	0	\$0	\$0	\$0	\$2,437	\$2,461
C	SW Corner Minor Permit Mod.	0	0	\$10	0	\$25	\$0	2	25	0	\$0	\$0	\$0	\$6,397	\$6,456
D	Address FDEP Comments	0	0	\$20	0	\$25	\$0	4	75	0	\$0	\$0	\$0	\$2,209	\$2,305
	<b>TOTALS:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50</b>	<b>\$0</b>	<b>\$100</b>	<b>\$0</b>	<b>\$120</b>	<b>\$30</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,620</b>	<b>\$18,920</b>

TABLE 1

**Additional Cost Estimate  
General Consulting Services Associated with  
Permit Modifications and Operational Issues  
West Nassau Landfill  
Callahan, Nassau County, Florida**

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
<b>001</b>				
A	Responses to Minor Permit Mod. - New Cells	\$2,700	\$7,698	\$10,398
B	Yard Trash Registration and Operations Plan	\$240	\$2,461	\$2,701
C	SW Corner Minor Permit Mod.	\$930	\$6,456	\$7,386
D	Address FDEP Comments	\$960	\$2,305	\$3,265
<b>TOTALS</b>		<b>\$4,830</b>	<b>\$18,920</b>	<b><u>\$23,750</u></b>

ATTACHMENT B

**GOLDER ASSOCIATES INC.  
JACKSONVILLE, FLORIDA**

**LABOR RATE SCHEDULE  
EFFECTIVE THROUGH DECEMBER 31, 2001**

<u>Labor Category</u>	<u>Labor Rate</u>
Principal	\$135.00
Associate	\$120.00
Level VI Senior Consultant	\$115.00
Level V Senior Project Manager	\$105.00
Level IV Senior Scientist/Engineer	\$95.00
Level III Project Scientist/Engineer	\$75.00
Level II Staff Scientist/Engineer	\$65.00
Level I Scientist/Engineer	\$55.00
Senior Technician	\$55.00
Technician	\$45.00
Senior Draftsperson	\$55.00
Draftsperson	\$45.00
Administrative Assistant	\$45.00
<u>Field and Travel Expenses</u>	<u>Unit Rate</u>
Field Vehicle (1)	Cost + 10%
Personal Vehicle Charge (2)	\$0.345/mile
Shipping	Cost + 10%
Field Equipment	per the 2001 rate sheet
<u>Communication Services</u>	<u>Unit Rate</u>
Computer Charges	\$10.00/hr
AutoCAD Charges	\$20.00/hr
Facsimile	NC
Photocopies	\$0.15/copy
Color Photocopies	\$1.00/copy
Cell Phone	\$10/day
Phone Calls	NC
Document FedEx/Courier charges	Cost + 10 %
Document and Graphics Production Costs	Cost + 10 %
Bluelines	Cost + 10 %

Notes:

(1) For long-term field projects, field vehicles will be charged at a flat weekly or monthly rate that will include the vehicle and associated expenses. For shorter-term field projects, a daily rate for the vehicle will be charged plus gasoline purchased for project use.

(2) Personal vehicle charges will only be incurred for work associated with field activities, as necessary.

**ATTACHMENT C**

**S2LI SCOPE AND COST ESTIMATE**





September 28, 2001

GOLDER ASSOC. INC. -JAX	
RECVD <i>WDR</i>	PN <i>993-3928</i>
FN	
CC	RTE
OCT 01 2001	

Ms. Wendy D. Karably  
Senior Project Manager  
Golder Associates Inc.  
8933 Western Way, Suite 12  
Jacksonville, FL 32256

**RE: Additional Services for Landfill Operational Changes  
West Nassau Class I Landfill  
Nassau County, Florida  
S2Li Project No. 01-107**

Dear Wendy,

On September 18, Nassau County's Solid Waste Director, Bob McIntyre, Golder Associates, and S2Li met with representatives of the Florida Department of Environmental Protection (FDEP) in Jacksonville to discuss a letter from the Department concerning the operations of the County's West Nassau Class I Landfill. This meeting was convened to discuss a number of landfill operational issues related to erosion control, landfill filling sequences, and yard trash management and permitting issues.

As a result of the meeting, S2Li and Golder are required to prepare additional and revised permit drawings for the minor permit modification application; prepare a yard trash registration application with supporting documentation; and prepare and submit a new minor permit modification for the filling sequence in the southwest corner of the landfill.

The scope of services for S2Li to address the above is presented below in four tasks. The anticipated costs for these services are attached.

**Task 100 – Preparation of Response to Minor Permit Modification**

On September 4, the Florida Department of Environmental Protection (FDEP) sent a letter to the County asking questions concerning the minor permit modification application and the operations of the landfill. S2Li will provide the following:

- Review of request for additional information letter from FDEP (31 questions);
- Consult with County staff concerning revised landfill operation procedures and landfill sequences;
- Prepare preliminary response to FDEP questions;
- Attend meeting with FDEP to discuss preliminary response to questions;
- Modify construction sequencing drawings as per FDEP request;
- Complete draft response to FDEP letter;
- Submit letter of response and drawings to County staff for review and comment; and
- Finalize and submit response to FDEP.

**Task 200 – Preparation of Yard Trash Registration Application and Drawings**

The state has recently revised the solid waste regulation which, according to the Northwest District Office of FDEP, requires the County to register their yard trash facility. The County is also requesting

8029 RIDGE VALLEY ■ WOODSTOCK, GA 30189-7047  
(770) 517-9759 FAX (770) 517-9762

approval from FDEP to relocate the existing yard trash facility at the landfill to a new location on the site to comply with siting requirements within the new rule and to make room for the future landfill gas blower facility. S2Li will provide the following:

- Fill out FDEP standard registration form;
- Prepare yard trash processing plan procedures;
- Prepare demonstration that facility is in compliance with prohibition section of rules;
- Prepare site plan;
- Prepare facility plan;
- Submit plan and details to County staff for review and comment; and
- Finalize and submit response to FDEP.

#### Task 300 – Southwest Corner Minor Permit Modification Application

The County needs to place waste in the southwest corner of the landfill in order to construct the stormwater collection terraces and to place piping. The Department requires the approval of a minor permit modification application before the County can proceed. S2Li will provide the following:

- Prepare minor permit modification application;
- Prepare phase sequencing in plan view;
- Update cross sections that adjust the contours to the intermediate soil cover elevation (note: this brought the elevation up one foot, increasing the available waste fill volume);
- Submit application signature forms to County for execution;
- Sign and seal documents; and
- Submit Minor Permit Modification Application to FDEP.

#### Task 400 – Additional Response to FDEP Questions

In our estimate of cost, we have included some limited time to address additional questions that may come from FDEP. Although we met with the Department in order to make sure that their concerns were addressed, they may still respond with additional questions.

In order for the County to respond within the FDEP required time frame, S2Li has already begun preparation of the permit applications and drawings. S2Li's estimate does not include an allowance for Golder's review, meeting time, and other associated efforts. In addition, S2Li assumes that the County will pay all permit application fees.

Should you have any questions, please contact us.

Sincerely,



Omar E. Smith, P.E.

Regional Manager

Attachment

c: Sam Levin, P.E.

Client.....	Golder/Nassau County
Project Name.....	Additional Engineering Services - Landfill Operations
Project Number.....	01-107
Date of Estimate...	28-Sep-01

**Budget Estimate**  
**S2L, Incorporated**

<b>Multipliers:</b>	
Labor	1.00
Directs	1.08
Prof. Associates	1.08

LABOR CATEGORY	TASK 100 Response to Minor Permit Application	TASK 200 Yard Trash Registration Application	TASK 300 SW Corner Minor Permit Application	Task 400 Additional Response			TOTAL HOURS	MULTIPLIED LABOR \$
Project QC Officer				2			6	\$930
Senior Project Manager	35	8	35	8			86	\$11,610
Sr Engineer							0	\$0
Associate Engineer	25	16	6	8			55	\$3,575
CADD							0	\$0
Secretary	1	2	16	4			23	\$1,035
							0	\$0
SUBTOTAL HOURS	65	26	57	22	0	0	170	
SUBTOTAL LABOR \$	\$7,015	\$2,210	\$5,835	\$2,090	\$0	\$0		\$17,150

TOTAL LABOR HOURS	65	26	57	\$22	\$0	0	170	
TOTAL LABOR COSTS	\$7,015	\$2,210	\$5,835	\$2,090	\$0	\$0		\$17,150

ITEM DESCRIPTION	TASK 100 Response to Minor Permit Application	TASK 200 Yard Trash Registration Application	TASK 300 SW Corner Minor Permit Application	Task 400 Additional Response			TOTAL DIRECTS	MULTIPLIED DIRECTS \$
Transportation							\$0	\$0
Telephone	\$20	\$10	\$20	\$10			\$60	\$65
Reproductions/Graphics	\$100		\$100				\$200	\$216
Computer/CADD	\$300	\$200	\$300	\$50			\$850	\$918
Geotechnical Engineer							\$0	\$0
Shipping/Mailing	\$100		\$100	\$50			\$250	\$270
ATM							\$0	\$0
							\$0	\$0
							\$0	\$0
							\$0	\$0

TOTAL DIRECT COSTS	\$520	\$210	\$520	\$110	\$0	\$0	\$1,360	
MULTIPLIED DIRECT	\$562	\$227	\$562	\$119	\$0	\$0		\$1,469

TOTAL \$/TASK	\$7,577	\$2,437	\$6,397	\$2,209	\$0	\$0	TOTAL SVCS	\$18,619
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**Golder Associates Inc.**

8933 Western Way, Suite 12  
Jacksonville, FL USA 32256  
Telephone (904) 363-3430  
Fax (904) 363-3445



R

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

March 8, 2002

993-3928.35

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: UPDATE ON EXISTING BUDGET AND COSTS  
AND ESTIMATED FUTURE COSTS  
WORK ORDER UNDER GENERAL CONSULTING SERVICES  
GROUNDWATER/GAS UPLIFT ISSUES  
WEST NASSAU CLASS I LANDFILL

RECEIVED  
COUNTY COORDINATORS  
OFFICE  
02 MAR 13 PM 1:21

Dear Mr. Gossett:

As requested, Golder has reviewed all costs associated with work performed to date as a result of uplift of the liner system in the Cells 7, 9, 11, and 13 area of the West Nassau Class I Landfill. This letter includes a budget update for the existing scopes of work (and some out-of-scope) that have been approved by the Nassau County Board of County Commissioners (Board) through various requests. Golder has invoiced the County monthly on a time and materials basis for work within the scopes or required by FDEP, but only time and expenses attributable to the work on this project were charged at agreed-upon rates. Also, this letter includes a brief review of out-of-scope work and costs incurred by Golder performing that work which has not been invoiced to the County (i.e., Golder write-offs). An estimate of the future costs, based on our meeting with FDEP on January 25, 2002, is also included. However, to clear the existing scopes and budgets under Golder's current work order, the future costs will be billed to the County under a separate work order. It should be noted that the future estimated costs included herein are anticipated to take this project to completion, pending any unanticipated events.

**Summary of Work/Budget**

There were a total of four scopes provided to and approved by the Board that included work associated with the groundwater and gas uplift issue in the newly constructed Cells 7, 9, 11, and 13. For reference, these scopes (addressed to the Board) are dated May 11, 2001, June 12, 2001, August 13, 2001, and August 23, 2001. The total approved budget under these scopes was \$119,567.00. Under this budget, the approved work conducted through February 2002 has been completed<sup>1</sup>. As you are aware, because of the urgency in performing most of the services as it related to obtaining

<sup>1</sup> February work has not yet been invoiced to the County.

DATE 3/18/02  
AA

approval for waste placement in the new cells and potential worsening of the situation, Golder performed much of the work prior to receiving written authorization from the Board. Additionally, the situation changed frequently based on discussions/meetings with FDEP and field observances and/or events. Consequently, some of the work scope as defined in the requests to the Board changed as the work continued. As a result, some out-of-scope work was performed based on specific requests from FDEP and/or County staff. The approved budget for the work conducted under these scopes and some out-of-scope work through February 2002 has been expended.

Additionally, it should be noted that because of some potential issues with the protective cover material in one area of the site and because of poor communication on Golder's part between the County and Golder on its approach to the liner uplift situation, Golder performed work and incurred costs that have not been included in our invoices to the County. This work resulted in approximately \$25,000 of labor and expenses being written off by Golder (i.e., will not be billed to the County). Golder sincerely apologizes for any problems our poor communication may have caused and we hope that the County is ultimately satisfied with the work performed.

### **Summary of Upcoming Work and Estimated Costs**

Based on our January 25, 2002 meeting with FDEP, the approach to obtaining approval for waste placement has been revised slightly. The new requirements, which FDEP was to prepare an operations permit modification to accommodate, include approval of the cells in two phases and ongoing monitoring of the uplift areas. As a result, there is additional work required beyond the scopes described above. The additional scope includes, preparation of an addendum to the certification report indicating the cells have been repaired in accordance with the project specifications, and that the vents have been installed as described by Golder to FDEP. Upon review of this report by FDEP, approval is anticipated for a defined area of the cells only (basically up to the vent area). This report is anticipated to be completed in March 2002 (depending on timing and data provided by the surveyors) and the estimated budget is \$4,400.00.

FDEP has also requested that the hubs on the cell floor that have been used to detect uplift continue to be monitored (i.e., surveyed and data reviewed) on a regular basis during waste placement (until covered by waste). Therefore, the County's surveyors will be required to survey the hubs on a bi-weekly basis. Golder will compile and review hub data from the surveyors, along with leachate pumping information collected by County personnel, during the initial phase of waste placement. If the data shows any significant anomalies, the County and FDEP will be notified. The estimated time during which this work will be required, i.e., for completion of waste placement in the defined area only, is 6 months. The estimate to provide these services (by Golder only, not surveyors) during that time is \$2,800.00.

Finally, when waste reached the previously defined limits on the cell floor, the vents will be removed and the liner and cover material repaired in these areas. Golder will provide coordination with the liner subcontractor, communicate with County staff regarding soil material repairs, and provide oversight for the repair work associated with the vent removal. A report to FDEP will be prepared that indicates the vent repairs have been completed and the area meets the requirements of the original specifications. Upon review and approval of the report (assuming no major comments), FDEP should provide approval for waste placement in the remainder of the cells. The estimated costs to perform this work is \$5,050.00. Therefore, the total estimated costs for future work is \$12,250, for which approval of a new work order is requested herein (under 993-3928.38).

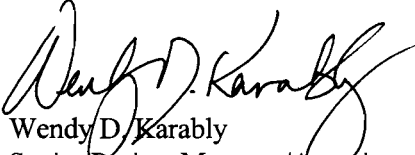
**Closing**

As discussed, the total approved budget for the work associated with the groundwater or gas uplift in the new cells has been expended. Additional work, as defined by FDEP in order to gain approval for waste placement in the new cells (in phases), is required. The estimated costs for the additional work is \$12,250.00. Approval for this additional work, under a new work order, is requested herein. It should be noted that these additional funds are anticipated to be sufficient to complete this project, i.e., the approval for waste placement in the entire cell area is obtained from FDEP and liner system uplift is no longer an issue. Although these costs are estimated, we believe, barring any unanticipated events, that these costs are sufficient to complete the project. As for the previous work order, Golder will invoice the County on a time and materials basis at agree-upon rates for work conducted that is directly attributable to this project.

Golder appreciates the Board's review of this letter and consideration of the cost to finish this project. If there are any questions, please call.

Very truly yours,

GOLDER ASSOCIATES INC.

  
Wendy D. Karably  
Senior Project Manager/Associate

cc: Mr. Robert McIntyre, Solid Waste Director  
Omar Smith – S2Li

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