

Golder Associates Inc.

6241 NW 23rd Street, Suite 500
Gainesville, FL USA 32653
Telephone (352) 336-5600
Fax (352) 336-6603
www.golder.com
April 1, 2005



City of Gainesville
Solid Waste Division
201 NW 10th Avenue
Gainesville, Florida 32602

Attention: Mr. Paul Alcantar

RE: ENVIRONMENTAL CONSULTING SERVICES
CLOSURE PLAN-MSW/C&D LANDFILL
GAINESVILLE, ALACHUA COUNTY, FLORIDA

Dear Mr. Alcantar:

Golder Associates Inc. (Golder) is pleased to provide the Solid Waste Division (SWD) with environmental consulting services related to the closure of Municipal Solid Waste (MSW)/ Construction and Demolition (C&D) landfill north of the Gainesville Regional Airport.

Based on a site visit on August 10, 2004, by Mr. Benny Susi, P.E. and Mr. Kerem Esin, P.E., both with Golder, the above-referenced landfill has several areas of exposed solid waste including household wastes, demolition debris, and automobile tires. During the site visit, several seeps of landfill leachate pools were observed at the perimeter of the landfill near Hatchet Creek. Evidence of erosion of the landfill surface was most noticeable at the slope toward the creek with some deep scarps of the landfill surface. Discussions with the SWD indicate that the landfill began receiving waste in the 1940's and ceased operations in 1971. Based on our understanding of the project, Golder proposes the following scope of work and cost estimate.

Scope of Work

The following presents Golder's scope of work by task for providing environmental consulting services for the closure of the landfill.

Task 1 - Boundary Survey - A boundary and topographic survey is recommended to provide the extent of the landfill boundary and to provide a base map with topographic information to allow for the proper design re-contouring of the landfill during the closure design. Historically, the City has contracted the surveyors directly. Under this task, Golder will provide assistance in establishing the scope of the survey work and identifying specific requirements, such as delineating wetlands (particularly along the creek) and locating some spot coordinates of suspect areas (e.g., drums).

Task 2 - Existing Conditions Plan - Golder will develop an "existing conditions" plan by reviewing existing data and documents (e.g., boundary and topographic survey, historic aerial photos, USGS quad maps, county GIS data, groundwater quality monitoring reports, drainage reports for the airport/Little Hatchet Creek, FEMA floodplain/floodways maps). Golder assumes that existing data and reports will be provided by SWD or will be readily available from the County.



Task 3 - Site Investigation - A site investigation to determine the limits of waste is recommended. It is our understanding that the City may contract the University of Florida to conduct this task and no budget has been included for this task. Golder has the experience, equipment and staff to accomplish this task. If requested and appropriate fees are authorized, Golder can assist with developing a scope of work for the field investigation to be performed by others. If the City prefers to use Golder for this task, a separate proposal will be provided for this task.

Task 4 - Borrow Investigation - This task will include the identification of potential borrow sources for clean fill. Golder is assuming that the City has access to borrow material that may be needed to grade and cover the landfill. The work elements to be performed under this task will include collecting up to 5 bulk samples of potential borrow materials and performing laboratory testing for grain size distribution, moisture content, Atterberg's limits, and standard compaction testing. The soils testing will be performed following current ASTM standards in our testing laboratories in Tampa and/or Atlanta. The objective of this task will be to determine the properties of fill material for specification purposes.

Task 5 - Groundwater Quality Evaluation - The City has received a No Further Action (NFA) from Florida Department of Environmental Protection (FDEP) in regard to groundwater contamination. This task involves evaluating the existing groundwater quality monitoring data with regard to the suspect materials encountered and identified during the survey. If necessary, our recommendations for further evaluations will be provided to the SWD for consideration.

Task 6 - Surface Water Management Plan - This task includes the engineering design and analysis of a system to develop a surface water management plan that will control surface water runoff from the landfill and control erosion and sediment transport. Golder expects to involve the SWD throughout the plan development process by submitting plans in progress to get input on critical components of the design. Once finalized, the surface water management plan will be submitted to FDEP for review and approval. For budgeting purposes, this scope assumes that an Environmental Resource Permit (ERP) is not required.

Task 7 - Grading and Construction Drawings - This task includes the preparation of construction drawings, including grading plan, cover details, erosion and sediment control design details (temporary and permanent). Golder assumes that up to 8 drawings will be required for the construction drawing package. This task will also include an estimate of construction quantities and the preparation of a Unit Price Schedule for bidders.

Task 8 - Technical Specifications - The work under this subtask includes the preparation of construction-level drawings and technical specifications for the various aspects of the work, including the landfill cover, grading, stormwater and erosion control. For costing purposes, this scope assumes that some work on the technical specifications assumes that the basic specifications that include City requirements are provided electronically by the City for compilation into a final package. The technical specifications and construction-level drawings will be suitable for use in bid package to be provided to potential contractors. It is also assumed that, as for the design, the construction-level drawings will use the existing topographic map as the base map.

Task 9- Prepare a Closure Report - Chapter 62-701.600 requires inactive landfills, which were no longer receiving wastes on January 6, 1993, and that have not been closed in accordance with an approved closure plan or closure permit, are required to have a report on the final closure of the landfill. The closure report will include descriptions of the general landfill information (location,

history, size, types of waste, etc.), water quality monitoring completed, land use information, and investigations and engineering analyses completed for the closure design.

Task 10- Meetings with FDEP - The work under this subtask will include attendance at meetings with the Florida Department of Environmental Protection (FDEP) to discuss the proposed closure plan, plus meetings during the design process to discuss concepts and then details of the design. These meetings with the FDEP will enable the City and Golder to obtain "buy-in" from FDEP during the design process as opposed to at the completion when major changes can be more costly. For cost estimating purposes, Golder has assumed attendance at one FDEP meeting prior to kickoff of the actual work, and one more meeting to review design. Two senior-level Golder team personnel will attend these meetings, which are assumed to be in Jacksonville (FDEP NE District office). The scope under this subtask includes preparation for (including drawings and other documents as necessary) as well as attendance at the meetings.

Cost Proposal

The maximum not-to-exceed cost for the above scope of work is \$70,000. All costs will be billed to the City of Gainesville monthly on a time-and-materials basis. The anticipated labor and expense costs are based on Golder's standard Professional Fee Schedule (attached). The maximum cost will not be exceeded without prior authorization from City of Gainesville.

TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
0100	Boundary Survey Support	\$1,435	\$175	\$1,610
0200	Existing Conditions Plan	\$ 4,000	\$635	\$4,635
0300	Site Investigation	\$6,740	\$1,275	\$8,815
0400	Borrow Source Investigation	\$1,200	\$2,640	\$4,225
0500	Groundwater Quality Evaluation	\$5,260	\$520	\$6,360
0600	Surface Water Management	\$10,860	\$930	\$12,970
0700	Grading Plan, Construction Drawings and Quantities	\$16,670	\$2,700	\$19,370
0800	Technical Specifications	\$6,635	\$355	\$6,990
0900	Closure Report	\$4,040	\$395	\$4,880
1000	FDEP Coordination	\$3,205	\$350	\$3,560
TOTALS		\$60,045	\$9,955	<u>\$70,000</u>

The proposed scope and estimated costs do not include evaluation of landfill gas generation/migration, sampling and analysis of surface and groundwaters, geotechnical/geophysical exploration within the landfill footprint, and modeling of the Hatchet Creek floodplain. At this point in the project, Golder does not anticipate that these issues will need to be addressed for the closure design. However, detailed scope, cost, and schedule proposals will be provided for these tasks, if required by the FDEP or other agencies.

Schedule

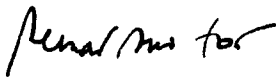
Golder will accomplish the above-referenced tasks within 3 months from receipt of the written authorization to proceed. The final deliverables will be the Construction Drawings, Technical Specifications, and Unit Price Schedule. The schedule assumes that the report on the field investigation to determine the limits of waste will be submitted to Golder within the first month of the project schedule.

Business Terms and Closure

Golder appreciates the opportunity to provide the City of Gainesville with this proposal. Golder assumes that the work can be completed under the terms and conditions used on the ongoing work at the City's Sweetwater Creek landfill. If the terms of this proposal are acceptable, please sign the attached proposal acceptance form and return to Golder. If applicable, indicate your purchase order number and forward a copy of your purchase order to Golder's accounting department. Please contact me if you have any questions.

Sincerely,

GOLDER ASSOCIATES INC.



Kerem Esin, P.E.
Senior Project Engineer



Benny Susi, P.E.
Associate, Project Manager

BS/nav

Enclosures

cc: M. Buff

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**PROFESSIONAL FEE SCHEDULE FOR
GOLDER ASSOCIATES INC.
GAINESVILLE, FLORIDA**

EFFECTIVE THROUGH DECEMBER 2005

The labor fee shall be equal to the number of hours actually expended directly on the project by individuals, times the hourly rate for the individual. The hourly rates are shown in the table below.

<u>Labor Category</u>	<u>Rate per Hour</u>
Administrative Support	\$40
Staff Administrative Support	\$50
Senior Administrative Support	\$55
Technician	\$55
Staff Technician	\$60
Senior Technician	\$65
Draftsperson	\$45
Staff Draftsperson	\$60
Senior Draftsperson	\$65
Level I Engineer/Scientist	\$65
Level II Staff Engineer/Scientist	\$80
Level III Project Engineer/Scientist	\$90
Level IV Senior Project Engineer/Scientist	\$105
Level V Senior Engineer/Scientist	\$120
Level VI Senior Consultant	\$145
Level VII Practice/Program Leader	\$160
Level VIII Senior Practice/Program Leader	\$170

These rates include all direct and indirect costs except reimbursables, which are billed at cost plus a 10 percent administrative fee. Indirect costs include such items as overhead, profit, and such statutory and customary fringe benefits as social security contributions, sick leave, unemployment compensation insurance, excise and payroll taxes, workers' compensation, health and retirement benefits, bonuses, annual leave, and holiday pay. A flat-rate communication fee of 6 percent is applied to labor for computer usage and all communications including phone, fax, and in-house copying (excludes large-volume copying at an external printer).

Other services are billed at the following rate: AutoCad, \$20/hour; color photocopies, \$1.50/page; and plotter (D and E size), \$15/plot.

For expert testimony, an additional 50 percent will be added to the applicable employee fee schedule. Such expert testimony charges would include depositions and presentation of testimony, but would not include the preparation of testimony. The minimum labor expense for expert testimony will be based on 8 hours.