

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

238



FROM: Waste Management Department

SUBMITTAL DATE:
April 19, 2005

SUBJECT: Consultant Agreement for Final Design of an Alternative Monolithic Cover for Mecca II Landfill.

RECOMMENDED MOTION:

1. Approve a Consultant Agreement with GeoLogic Associates (GLA) to develop a monolithic final cover design for the Mecca II Landfill, and;
2. Authorize the Chairman to execute the Agreement on behalf of the Board.

BACKGROUND: Section 21780, Title 27 of the California Code of Regulations (CCR) requires that Final Closure and Postclosure Maintenance Plans for solid waste landfills be submitted prior to the anticipated date of closure. Based on site life calculations performed in 2003, the anticipated closure date for the Mecca II Landfill was January 2007. Revised site life analysis performed in January 2005 indicates that site life has been markedly reduced to September 2005. Because a State prescriptive clay cover may not perform as well as a monolithic cover over the required 30 year postclosure maintenance period in the arid and semi-arid environment of Southern California, the California Integrated Waste Management Board and the California Water Quality Control Board have suggested that an alternative monolithic cover be evaluated for Final Closure and Postclosure Maintenance Plans.

Use of alternative covers is allowed for by Title 27 CCR provided an engineering analysis of an alternative cover demonstrates that that alternative cover will provide equal or superior protection to the environment when compared to the prescriptive clay cover.

(Continued)

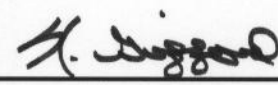

Hans Kernkamp, General Manager-Chief Engineer

FINANCIAL DATA	Current F.Y. Total Cost:	\$ 16,920	In Current Year Budget:	YES
	Current F.Y. Net County Cost:	\$ 0	Budget Adjustment:	NO
	Annual Net County Cost:	\$ 0	For Fiscal Year:	04/05

SOURCE OF FUNDS: Waste Management Department Revenue (Disposal Fees)	Positions To Be Deleted Per A-30	<input type="checkbox"/>
	Requires 4/5 Vote	<input type="checkbox"/>

C.E.O. RECOMMENDATION:

APPROVE

County Executive Office Signature 

Prev. Agn. Ref.: 12.1 (2/1/05); 12.12 (11/23/04); 12.4 (9/10/02) | **District:** 4 | **Agenda Number:**

**ATTACHMENTS FILED
WITH THE CLERK OF THE BOARD**

12.1

FORM APPROVED
COUNTY COUNSEL

APR 22 2005

Departmental Concurrence

Dept't Recomm.: Consent Policy
Per Exec. Ofc.: Consent Policy

F11 - Consultant Agreement for Final Design of an Alternative Monolithic Final Cover for the Mecca II Landfill.

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Additionally, it is estimated that an alternative monolithic cover design could be constructed at a lower cost than a prescriptive clay cover and also reduce future postclosure maintenance costs.

In response to a Department RFP issued August 8, 2002, two proposals were received, one from GeoSyntec Consultants and one from GLA. GeoSyntec prepared their report for the Mecca II Landfill in March 2003. The Department reviewed the report and believes that there are other viable, more cost effective and constructible design options. Investigating the potential of an alternative, acceptable cover design utilizing a different computer model and engineering design concept could result in a substantial cost savings in final closure construction costs and postclosure maintenance costs and should be pursued.

In order to consider all feasible options, the Department has requested a revised proposal from GLA to evaluate the project utilizing a different computer modeling method, different engineering design concept, and a revised (decreased) scope of work. GLA is the industry leader specialty-design firm in monolithic cover design, proven through innovative, cost effective designs for both Department and non-department landfills in the southwest region, and is available to do this work immediately. It is in the best interest of the Department to authorize the work by GLA pursuant to the original RFP because of the sufficiency of the original proposal that GLA submitted. The amended proposal that GLA submitted, dated April 7, 2005, is responsive to the revised scope of work at a reasonable cost. The Department has negotiated the attached Consultant Agreement with GLA from their original proposed cost of \$17,635 to a total cost not to exceed \$16,920.

Due to the reduction in site life and time constraints of the permitting process, this work needs to be expedited to realize the cost savings of an alternative design. It is in the best interest of the Department to evaluate and finalize the final cover design as soon as is practicable.

The following is a summary of work and cost currently being conducted by GLA for Department landfill sites:

Landfill Site	Project Description	Estimated Cost
Lamb Canyon	Quality Assurance/Quality Control consultant services for the construction of the liner system of Phase 2, Stage 2 Expansion	\$188,637.00
Lamb Canyon	Geotechnical Services for the construction of the Household Hazardous Waste Central Accumulation Facility	\$6,950.00
Mecca II	Alternative Cover Study	\$16,920.00
	TOTAL	\$212,507.00

Since the total amount of professional service contracts awarded to GLA exceeds \$100,000, the Department is hereby requesting Board of Supervisors approval for this additional contract.

JQ:jq

PD#32210-v3

Attachment:

Consultant Agreement