

**MEMORANDUM
DEPARTMENT OF FACILITY SERVICES
COUNTY OF PLACER**

To: Honorable Board of Supervisors Date: October 7, 2014

From: Mary Dietrich, Facility Services Director
By: Kevin Bell P.E., Environmental Engineering Program Manager *KRB*

Subject: Eastern Regional Landfill Closure Expansion Project No. 4920 – Design Services Agreement

ACTION REQUESTED:

1. Approve an Agreement with Stearns, Conrad and Schmidt Consulting Engineers, Inc., dba SCS Engineers to design and provide bid support for the Eastern Regional Landfill Closure Expansion Project No. 4920 at the Eastern Regional Landfill in Truckee, in an amount not to exceed \$62,589 funded by Eastern Regional Material Recovery Facility tipping fee revenue, with no net County cost.

BACKGROUND: The Eastern Regional Landfill (ERL) is a 292-acre site, located approximately three miles south of Truckee off Highway 89 on Cabin Creek Road. Municipal solid waste was landfilled from 1973 until 1995 when the materials recovery facility (MRF) and transfer station were constructed. Closure activities, began in 1998 and final closure was approved by the California Integrated Waste Management Board and the Local Enforcement Agency (Placer County Environmental Health) in 2000. The closure included installation of a low permeable cap and a landfill gas collection control system (GCCS).

The GCCS included 10 landfill gas (LFG) compliance monitoring probes installed in soil around the perimeter of the landfill to detect migrating methane gas, a product of decomposing waste. Methane gas if not controlled can migrate from the landfill and can become explosive if allowed to build up in a confined space. Methane was detected in one of the probes between the landfill and the MRF indicating that methane was migrating outside the landfill.

On September 24, 2013 your Board approved an agreement with SCS Engineers (SCS) to install LFG wells to expand the GCCS in an effort to control gas migration. During construction of the project, waste was discovered outside of the closed landfill. Staff notified the Placer County Environmental Health (LEA) and the Lahontan Regional Water Quality Control Board (Lahontan) of the waste located outside the closed landfill and worked with them to develop a remediation plan that included an expansion of the closure cap at ERL.

On February 14, 2012 your Board approved a list of prequalified consulting firms for Wastewater, Water/Recycled Water and Landfill Systems Consulting (RFQ No. 10133). Due to the specific technical qualifications required for the design of a closure cap expansion, staff requested a work plan and fee estimate from five firms on the prequalified list to provide engineering design and bid services for the Eastern Regional Landfill Closure Expansion Project No.4920 (Project). SCS work plan and cost proposal provides the necessary work for the best value of the proposals received. In order to proceed with the Project, staff requests that your Board approve the Agreement with SCS. A copy of the Agreement is available for review at the Clerk of the Board.

ENVIRONMENTAL CLEARANCE: Approval of an Agreement for engineering services is not considered a project under the California Environmental Quality Act. Environmental review of the proposed Project will be prepared concurrently with the Project design.

FISCAL IMPACT: The estimated total project cost is \$1,540,000, including design, construction, construction management, fees and contingencies. The cost for completing the design services work as described in this item is an amount not to exceed \$62,589. Sufficient funding for this Agreement is available in the Eastern Regional Landfill Closure Expansion, Project No. 4920, Capital Project Budget which is funded through tipping fee revenue, with no net County cost.

AVAILABLE FOR REVIEW AT THE CLERK OF THE BOARD'S OFFICE: AGREEMENT

CC: COUNTY EXECUTIVE OFFICE

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