



County of El Dorado

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Legislation Text

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Environmental Management Department recommending the Board authorize the Chair to sign the First Amendment to Agreement No. 025-A-09/10-BOS with Bryan A. Stirrat and Associates increasing the compensation amount by \$330,550 to an amount not to exceed \$870,540 and extending the term through June 1, 2012 for services related to the Meyers Landfill Cap Closure project.

FUNDING: Non General Fund Insurance.

BUDGET SUMMARY:		
Total Estimated Cost		\$330,550
Funding		
Budgeted	\$	
New Funding	\$	
Savings	\$	
Other	\$	
Total Funding Available	\$330,550	
Change To Net County Cost		\$0

Fiscal Impact/Change to Net County Cost: There is no change in Net County Cost. Through the pending Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) litigation, the County has contributed money for site investigation obtained from the County's insurance carriers and will contribute further funds for closure of the site through money from insurance carriers and Third Party Settlements. In addition, the County has received notice of award for grant funding with CalRecycle (formerly the California Integrated Waste Management Board). If adequate funding is not secured this contract may be cancelled.

Background:

The County of El Dorado is undertaking the closure of the 11 acre Meyers Landfill disposal site. The Meyers Landfill operated from approximately 1947 through 1971 under a series of Forest Service Special Use Permits that were issued to private parties and the County of El Dorado. Waste disposed at the site included municipal solid waste from residential and commercial sources within the southern Lake Tahoe Basin area. The site stopped receiving waste in 1971 and in 1973 the County closed the landfill and covered the waste with an interim soil cap.

Since the closing of the site in 1973 several site investigations have been conducted. As a result of these investigations, it was determined that in the best interest of public health and safety, the site would need to be remediated. In January of 2002, the United States Forest Service (USFS) issued a Feasibility Study and Proposed Plan for remediation of the site, which was later modified and termed

the Supplemental Remedial Investigation/ Feasibility Study (RI/FS). The RI/FS calls for capping the waste mass with an impermeable multi-layer cover system, installation of a passive landfill gas venting system, relocation and consolidation of a portion of the waste mass directly above and east of a South Tahoe Public Utility District (STPUD) sewer line, and installation of a surface water collection and retention system.

It was anticipated that the Meyers landfill closure construction would be completed within the 2010 construction season. The construction schedule was based upon the Final 100% Remedial Design provided by the Forest Service to the County. However, due to the large number of issues, errors and omissions with the Final 100 % Remedial Design, the closure construction of the Meyers landfill will require two (2) construction seasons to complete, thereby extending the duration of construction through the fall of 2011.

Reason for Recommendation:

On January 26, 2010, the Board of Supervisors approved Construction and CQA contracts for the remediation of the Meyers Landfill site. The remediation of the site requires an engineering construction management company with specialized qualifications and experience to maintain compliance with CERCLA and National Contingency Plan (NCP) requirements and to oversee and direct the successful completion of the Meyers Landfill Cap System, French Drain and Landfill Gas Emission Control System construction.

Bryan A. Stirrat & Associates (BAS) have provided landfill engineering services for the County since 2008. In preparation for the closure of the Meyers Landfill, BAS prepared the Remedial Action Work Plan, a requirement of the Remedial Action, and already has extensive knowledge of this project in addition to specialized CERCLA and NCP experience. BAS has over 24 years of experience in construction management and remediation of hazardous waste landfill sites.

This first amendment is required due to the large number of issues, errors and omissions with the Final 100% Remedial Design provided by the Forest Service to the County, including, but not limited to; misidentification of the limit of waste that resulted in the expansion of the area requiring closure from 11 acres to approximately 12 acres; miscalculation of the volume of waste to be relocated from 34,900 cubic yards to greater than 100,000 cubic yards; misidentification of the exact location of the STPUD sewer line that resulted in additional waste relocation and the reworking of already completed final slopes; misidentification of the depth of waste above and along the STPUD sewer line resulting in additional waste relocation; misidentification of the depth required for the construction of the French drain resulting in the required removal of approximately 30,000 cubic yards of soil overburden; issuance of a revised Final (100%) Remedial Design by the Forest Service's engineer, ERRG, during construction that required additional earthwork to accommodate new grades, the construction of approximately 150 feet of additional French drain, and the construction of an additional sedimentation basin next season. The cumulative effect of the aforementioned issues, errors and omissions with the Final (100%) Remedial Design provided by the Forest Service to the County resulted in significant increases in project costs and construction duration. As a result, the Meyers Landfill Remedial Action will take two (2) seasons and will be completed during the 2011 construction season.

Action to be taken following Board approval:

Upon execution by the Chair, the Board Clerk's Office will forward copies of the amendment to the Environmental Management Department for distribution, encumbrance, and administration.

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