

AMENDMENT ONE TO CONSULTANT AGREEMENT  
BETWEEN THE COUNTY OF LAKE AND SCS ENGINEERS  
FOR CEQA ENVIRONMENTAL REVIEW AND PERMITTING SERVICES FOR THE PROPOSED  
EASTLAKE LANDFILL EXPANSION PROJECT

THIS AMENDMENT ONE TO AGREEMENT is made this \_\_\_\_\_ day of \_\_\_\_\_, 2020, by and between the County of Lake, hereinafter referred to as "COUNTY", and SCS Engineers, hereinafter referred to as "CONSULTANT".

WITNESSETH

WHEREAS, COUNTY has identified the need for professional services in support of the planned expansion of the Eastlake Sanitary Landfill; and

WHEREAS, pursuant to COUNTY policy, proposals were solicited for said services and a Consultant Selection Board determined CONSULTANT to be the most qualified; and

WHEREAS, COUNTY and CONSULTANT have entered into an AGREEMENT dated December 18, 2018, to provide professional services in support of the planned expansion of the Eastlake Sanitary Landfill; and

WHEREAS, additional services are required to prepare an updated Joint Technical Document for the Landfill; and

WHEREAS, CONSULTANT is duly licensed, qualified and experienced to perform said services; and

WHEREAS, Article XIV, MODIFICATION, of said Agreement allows that matters concerning scope of services which affect the agreed price may only be modified by written amendment thereto, executed by both parties; and

WHEREAS, COUNTY AND CONSULTANT now desire to amend said Agreement to complete the necessary work.

NOW, THEREFORE, the parties hereto agree as follows:

1. ARTICLE I, SECTION A, of CONSULTANT'S RESPONSIBILITIES is hereby modified to read as follows:

“A. CONSULTANT shall perform the services described in Proposal Scope of Work, Exhibit “A”, dated December 4, 2018; and Amendment One Proposal, Exhibit “B”, dated April 15, 2020, as if fully set forth herein.”

2. ARTICLE V, SECTION C, of COMPENSATION AND TERMS OF PAYMENT, is hereby modified to be read as follows.

“C. COMPENSATION: The COUNTY agrees to pay CONSULTANT a stipulated sum not-to-exceed five hundred twenty five thousand eight hundred dollars (\$525,800.00), including cost of labor and expenses, to perform the professional services provided by this agreement and as presented by Tasks 1 through 6 in Exhibit “A”, and Tasks 7 through 10 in Exhibit “B”, attached hereto and incorporated herein. Total payments to CONSULTANT shall not exceed the stipulated sum, in total or as budgeted by task in Exhibit “A” and Exhibit “B”, without prior written authorization by COUNTY and formal Amendment to this Agreement.”

3. ARTICLE VI, TERM, is hereby modified to be read as follows.

“This Agreement shall commence on the date hereinabove entered into and shall terminate on December 31, 2022, unless earlier terminated as hereinafter provided. This term may be extended an appropriate period of time in case of unavoidable delays and for consideration of corresponding warranted adjustments in payment by modification of this agreement as hereafter provided.”

COUNTY and CONSULTANT have executed this Amendment One to Agreement on the day and year first written above.

COUNTY OF LAKE:

\_\_\_\_\_  
Chair, Board of Supervisors

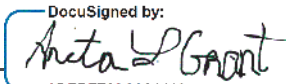
SCS ENGINEERS:

  
\_\_\_\_\_  
Joe Miller, Vice President, SCS Engineers

ATTEST: CAROL HUCHINGSON  
CLERK OF THE BOARD  
OF SUPERVISORS

APPROVED AS TO FORM:  
ANITA L. GRANT  
County Counsel

By: \_\_\_\_\_

By:  \_\_\_\_\_  
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**SCS ENGINEERS**

Environmental Consultants &amp; Contractors

April 15, 2020  
File No. 01336220

Mr. Lars Ewing  
Lake County Public Services Department  
333 North Second Street  
Lakeport, California 95453

Subject: **Revised Proposal for Engineering Services  
Updated Joint Technical Document – Proposed Landfill Expansion Project  
Eastlake Sanitary Landfill, Lake County California**

Dear Mr. Ewing:

SCS Engineers (SCS) is pleased to submit this proposal to provide continued engineering services in support of the County's planned expansion of the Eastlake Sanitary Landfill, Clearlake, California (Landfill). We propose to prepare an updated Joint Technical Document (JTD), to address design and operations criteria for Landfill expansion.

## PROJECT UNDERSTANDING

Under contract to the County, SCS has evaluated siting, design, permitting and regulatory approvals necessary to expand disposal capacity at the Landfill. Various landfill expansion alternatives were initially explored, including those solely on County-owned properties and others on both County and other adjacent property(ies) owned by South Lake Refuse Company. SCS evaluated these alternatives with respect to site suitability, preliminary design and cost considerations. SCS performed field investigations and engineering analyses and prepared preliminary designs and cost estimates for select expansion alternatives. A preferred alternative was selected by the County in 2019. Environmental review was subsequently undertaken in 2019 and early 2020 under the California Environmental Quality Act (CEQA) for this preferred alternative. An initial study and mitigated negative declaration (IS/MND) was prepared under CEQA. The IS/MND has been circulated for public review and comment, and County Planning Commission approval and adoption of the final CEQA document is expected in May 2020.

SCS proposes to provide continued engineering and permit support, via preparation of an updated JTD for the Landfill. The JTD is the landfill design and operations report that serves as technical basis for the primary landfill permit applications. Those permits are the Solid Waste Facilities Permit (SWFP), administered by CalRecycle and its local enforcement agency (LEA), the Lake County Division of Environmental Health, and Waste Discharge Requirement (WDRs, administered by the Central Valley Regional Water Quality Control Board (RWQCB).

A JTD for current conditions and operations at the Landfill was prepared by SCS in 2018, in accordance with requirements outlined in Title 27 of the California Code of Regulations (27 CCR). This document was used by the RWQCB in 2019 as a basis for issuing revised WDRs that address current operations. The 2018 JTD indicated that the County was then considering Landfill expansion, but did not address specific landfill expansion siting and design provisions. The updated JTD for 2020 will provide relevant information in support of future permit applications for Landfill expansion. For this JTD update, SCS will serve as engineer-of-record for facility expansion.



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## SCOPE OF WORK

The updated JTD will include a detailed description of existing facility features, permit conditions, waste classification and new landfill cell siting criteria, landfill expansion design and construction details, operating criteria, proposed environmental control and monitoring features, and preliminary closure and post-closure maintenance plans and cost estimates.

We will rely on previous reports and other technical information prepared by SCS and our subcontractor SHN Consulting Engineers and Geologists, Inc. (SHN) on behalf of the County. This includes the Landfill Expansion Basis of Design Report (October 2018), current JTD (July 2018), CEQA project description and preliminary design plans (April 2019), IS/MND (January 2020), CEQA Mitigation Monitoring and Reporting Program (MMRP, March 2020) and other siting and field investigation reports. We will also undertake required technical analyses and prepare facility design elements for the JTD.

The tasks below are numbered to be sequential with those under our existing professional services agreement dated December 18, 2018.

### Task 7 – Initial JTD Project Consultation with County

At the project onset, SCS meet with the County to review proposed Landfill expansion plans and obtain feedback on Landfill design and operating criteria and considerations that will affect the JTD. Specific items for review and discussion are expected to include:

- Provisions for land acquisition and/or lot line adjustments for proposed expansion and buffer areas onto property(ies) currently owned by South Lake Refuse Company.
- Long term arrangements with the Lake County Sanitation District for continued discharge of leachate to the sanitary sewer system and Southeast Regional Waste Water Treatment Plant (WWTP).
- Specific criteria for landfill expansion design details – new cell base liners, access roads, ancillary features including water and leachate storage tanks, and a new storm water retention basin.
- Future landfill operating criteria. We do not anticipate any changes in day-to-day operations as part of landfill expansion. Specifically, no changes to days and hours of facility operation, waste acceptance criteria, daily tonnage and traffic allowances, waste acceptance, handling and disposal operations, landfill controls, and emergency management provisions are expected.

We will confirm County preferences on any proposed design, operational or other changes that would be consistent with CEQA conditions of approval.

### Task 8 – Prepare Updated JTD

SCS will perform technical analyses and prepare an updated JTD via the steps outlined in **Table 1** below.

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<b>Table 1. Work Scope for Preparation of Landfill Joint Technical Document (Task 8 Activities)</b>	
<b>Engineering Evaluations</b>	
Fill Sequencing and Final Grading Plans Remaining and Future Capacity/Site Life Estimates Landfill Gas Master Plan and Corrective Action Plan HELP Model (liquids infiltration and leachate generation analysis) Alternative Base Liner Equivalency Demonstration HydroCAD Analysis – drainage design Seismic Stability and Settlement Evaluations Leachate Collection and Recovery System (LCRS) Sizing/Design Soil Balance Analysis Soil Loss Calculations Erosion and Sediment Control Plan Preliminary Construction Quality Assurance Plan Preliminary Final Closure Plan, Post-Closure Maintenance Plan Cost Estimates	
<b>Document Preparation</b>	
Updated JTD Text and Figures Updated Preliminary Final Closure and Post-Closure Maintenance Plan text and figures Responses to Agency Comments on JTD	

Technical analyses include modeling for sizing leachate and storm water management systems; use of the Multimed contaminant transport model to demonstrate equivalency of the proposed base liner and preferential pathway barriers; soil balance calculations based on excavation and earthfill needs; and soil loss calculations for the anticipated final cover system design and configuration.

Design drawings and details will be prepared based on County preferences discussed during Task 7, and results of the engineering analyses. The drawings will be based on the preliminary design concepts presented in the IS/MND, updated as applicable with additional details suitable for permitting purposes. A concept level landfill gas (LFG) control plan for anticipated final grading configurations will be provided.

We will prepare and compile the JTD including text, tables, figures and appendices in accordance with 27 CCR requirements. We anticipate that the format and much of the contents will be consistent with the 2018 JTD. The update will include new information affecting Landfill expansion siting criteria, design, and closure and post-closure maintenance provisions and cost estimates.

Responses to one round of agency comments is included in this proposal. We have budgeted 36 total staff hours to respond to comments from the LEA, CalRecycle and the RWQCB (12 for each agency). We envision these responses would be during the agency's initial review to confirm that the JTD and supporting information are deemed complete as required under 27 CCR Section 21570. Modifications to the design and engineering analyses, if required under subsequent agency review, would be under a separate work authorization.

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## Task 9 – Prepare Permit Applications

SCS will prepare application for the SWFP and WDRs. We will prepare the requisite paperwork, coordinate with the County for required signatures and approvals, and submit the applications to the agencies along with the JTD. We will also follow up with the agencies to confirm receipt, and “walk” them through the relevant JTD affecting permit, in attempt to expedite review.

## Task 10 – JTD Project Coordination and Meetings

SCS anticipates preparation for and attendance at meetings with County staff, including a “kick-off meeting”, one progress meeting, and up to 2 agency meetings. We anticipate the following:

- Kick-off meeting and consultation with County (budgeted for Task 7).
- Up to three (3) additional meetings with County staff, agencies and the public. This will be commensurate with other Task 8 and 9 activities and includes:
  - One project progress meeting to review the draft JTD.
  - Two agency meetings, one each with the LEA/CalRecycle and one with the RWQCB, to review comments on the JTD submittal.

Should the County determine that additional meetings are necessary such services can be provided under separate authorization on a time-and-materials basis.

## COST ESTIMATE AND SCHEDULE

A worksheet with estimated staff hours and hourly rates is provided in **Attachment 1**.

A draft version of the JTD will be submitted for County review within 10 weeks of notice to proceed. A final version, suitable for agency submittal, will be provided within 2 weeks of receipt of County comments on the draft. Overall, we anticipate a 14- to 16 week project for client consultation and progress meetings, JTD preparation and submittal of permit applications (Tasks 7-9). This schedule allows 2 weeks for County review of the draft JTD. We anticipate agency completeness review of the JTD could take up to 30 days. Task 10 agency meetings would occur within this 30-day period. Responses to agency comments on the JTD will be submitted within 2 weeks of receipt of all agency comments.

## Clarifications

Our proposal and cost estimate are based on the following clarifications and assumptions:

- Topographic, boundary, and utility location surveys are excluded from our scope of work. We will utilize the January 2018 survey, supplemented by recent aerial drone topographic survey data as applicable.
- The County will provide legal descriptions and survey information for proposed land acquisition and/or lease arrangements with South Lake Refuse Company.

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- The County will be responsible for payment of all permit application and agency review fees.
- Design drawings and fill sequencing plans will be of sufficient detail for permitting purposes. Preparation of construction bid documents is excluded.
- The County's existing Emergency Response Plan, Fire Prevention Plan, Hazardous Waste Control Plan, Spill Prevention, Control and Countermeasure Plan, and Load Checking Program Documents can be used or referenced in the JTD without change.
- Technical demonstration for continued use of alternate daily cover (ADC) materials will not be necessary.
- Field investigation of physical properties of soil cover or borrow areas and geotechnical slope stability evaluations are excluded. We will rely on information from previous investigations and analyses by SCS and SHN on behalf of the County. Our budget includes provisions to update the previous reports, if minor design considerations affecting stability change as a result of County preference(s) on liner types. Our scope and fee exclude a complete revision of the stability analysis.
- Monitoring and sampling of landfill gas, leachate and groundwater is excluded.
- Our services exclude public meetings and public hearings in support of SWFP and WDR permit applications, and assistance with negotiation of permit conditions. This can be done under separate authorization.
- Water and non-water foreseeable release corrective action plans and cost estimates, and responses to corrective action orders have been prepared by others and can be used for the JTD submittal without modification.
- Our services exclude application for, and technical support related to the following: local and federal Title V air quality permits, federal Clean Water Act Section 401/404 permits; California Fish and Wildlife permits; State Water Resources Control Board Industrial General and Construction Storm Water Pollution Prevention Permit; and California Division of Dam Safety permit (if needed for a stormwater basin).
- Closure and post-closure maintenance cost estimates were prepared by SCS and submitted to the agencies in October, 2019. We will update these estimates to reflect expected conditions for the Landfill expansion. We assume the County will provide financial assurance demonstration.
- The County will provide documentation that the proposed Landfill expansion and provisions of the updated JTD are in conformance of the County-wide Integrated Solid Waste Management Plan, County General Plan, and other related planning documents.
- Our budget includes staff hours and travel expenses for client and agency meetings. If face-to-face meetings are not possible due to Covid-19 shelter-in-place restrictions, we will make arrangements for telephone or video conferences.

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## CONTRACT TERMS AND CONDITIONS

The work will be performed in accordance with our existing agreement with the County dated December 18, 2018, and a purchase order or addendum to the agreement describing the specifics of this project. We propose to submit monthly invoices on a time and materials basis with hourly rates as shown in **Attachment 1**. The tasks outlined herein are sequentially numbered to supplement previously authorized tasks under the above agreement.

## CLOSING

We appreciate this opportunity and look forward to working with you on this phase of the project. If you have any questions regarding this submittal or desire any additional information, please contact the undersigned

Sincerely,

A handwritten signature in blue ink, appearing to read 'Wendell Minshew', with a long horizontal line extending to the right.

Wendell Minshew, P.E.  
Project Director  
SCS Engineers

A handwritten signature in blue ink, appearing to read 'Joseph J. Miller', with a large loop at the beginning.

Joseph J. Miller, P.E.  
Vice President  
SCS Engineers

WM/JJM



## Attachment 1