

**SUPPLEMENTAL SERVICES AGREEMENT NO. 1
LANDFILL ENVIRONMENTAL SERVICES**

THIS Supplemental Services Agreement No. 1, hereinafter referred to as SSA1, is made and entered into this ____ day of _____, 2024, by and between the County of Lake, hereinafter referred to as COUNTY, and SHN Consulting Engineers, Inc., hereinafter referred to as ENGINEER:

WITNESSETH

WHEREAS, the COUNTY has entered into a General Services Agreement with ENGINEER to provide environmental services at the Eastlake Sanitary Landfill; and

WHEREAS the COUNTY and ENGINEER now desire to also enter into this SSA1 with the scope of services described herein for the requirements of the 2024 Monitoring and Reporting Program (MRP) for the Eastlake Sanitary Landfill.

NOW, THEREFORE, in consideration of the covenants and agreements herein set forth, it is hereby agreed:

1. GENERAL SERVICES AGREEMENT

The General Services Agreement remains in full force and effect, and in the performance of this SSA1 ENGINEER is held to all provisions and the terms of the General Services Agreement.

2. PROJECTS

The project(s) covered by this Supplemental Agreement shall include the 2024 MRP as required by Central Valley Regional Water Quality Control Board Order R5-2019-0009 for the Eastlake Sanitary Landfill.

3. SCOPE OF WORK

The scope of work covered by this Agreement is described in the Scope of Work and Cost Proposal prepared by ENGINEER, which is attached as Exhibit "A".

4. COMPENSATION

As full compensation for all work or services to be provided by ENGINEER hereunder, COUNTY shall make payments to ENGINEER based on monthly invoices for all services performed under this SSA1. Invoices shall reference the project title and be billed on a time-and-expense basis. The total fee for the project will not exceed \$65,060.00 without prior approval of the COUNTY.

Upon satisfactory completion of services summarized in Attachment "A", the final payment of any balance will be due upon receipt of the final invoice. The final invoice shall be submitted within 60 calendar days after completion of the ENGINEER'S work.

5. TERM

ENGINEER shall begin immediately on the work as assigned and this AGREEMENT shall remain in full force for a period of one (1) year from the date of approval or until terminated by either party.

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT the day and year first written above.

COUNTY OF LAKE

SHN CONSULTING ENGINEERS

By _____
Chair, Board of Supervisors



ATTEST: SUSAN PARKER
CLERK TO THE BOARD

APPROVED AS TO FORM:
LLOYD GUINTIVANO
COUNTY COUNSEL

By _____





Phone: (707) 459-4518 Email: info@shn-engr.com Web: shn-engr.com
335 S. Main Street, Willits, CA 95490-3977

Reference: 405057.403

January 16, 2024

Lars Ewing, P.E.
Lake County PSD
333 Second Street
Lakeport, CA 95453

Subject: Scope of Work and Estimate of Costs for 2024 Monitoring and Reporting Program, Eastlake Sanitary Landfill, Lake County, California

Dear Lars Ewing:

SHN has prepared the following estimate of costs associated with requirements set forth in Monitoring and Reporting Program (MRP) Order No. R5-2019-0009 (Order), issued by the California Regional Water Control Board (RWQCB) on February 8, 2019. The Order identifies requirements for assessing impacts to groundwater, surface water, leachate, and the unsaturated zone with operation of the Eastlake Sanitary Landfill (ESL).

This work scope provides a description of services to be conducted that includes the following:

- Task 1: First Half 2024 Monitoring and Reporting
 - Field support services (Del-Tech Geotechnical)
 - First quarter water level measurements
 - Second quarter groundwater monitoring event
 - Analytical testing and reporting (Enthalpy Laboratories)
 - 40 samples for standard analysis (groundwater and surface water)
 - Semiannual Monitoring report preparation and submittal (SHN)
- Task 2: 2nd Half 2024 Monitoring and Annual Reporting
 - Field support services (Del-Tech Geotechnical [Del-Tech])
 - Third Quarter water level measurements
 - Fourth Quarter groundwater monitoring event
 - Leachate pipe discharge sampling
 - Analytical testing and reporting (Enthalpy Laboratories)
 - 44 samples standard analysis (groundwater, surface water, and leachate)
 - Preparation and submittal of 2024 annual monitoring report (SHN)

The following sections provide a description of tasks identified under the MRP work scope.



Scope of Work

Task 1. First Half 2024 Monitoring and Reporting

Continuation of the monitoring program at ESL for testing locations previously identified is required on a quarterly basis, with semiannual groundwater sampling to be conducted in April 2024 for 35 monitoring wells. Additional monitoring to be performed during this reporting period will include surface water sampling (one event, five stations), leachate pipe monitoring (two events), and the first and second quarter depth to groundwater measurements (January and April). Results from the testing program will be checked for data quality, tabulated, and submitted to the RWQCB in a semiannual report. Additional items included in the report are standard observations, updated constituent limits, historical trends, and interpretation of results. Personnel from the County of Lake and Del-Tech will collect field data and samples for laboratory testing. Services to be provided under this task item include Del-Tech field sampling, analytical testing by Enthalpy Laboratories, sample shipping, contractor coordination, agency correspondence, and reporting.

Task 2. Second Half 2024 Monitoring and Annual Report

The monitoring program at ESL involves collection of groundwater elevations in July and October, and the collection and testing for 35 groundwater monitoring wells and 2 field duplicates. Additional monitoring to be performed during this reporting period will include surface water sampling (one event, five stations), leachate pipe monitoring and sampling (two events, four stations, four samples), and the third and fourth quarter depth to groundwater measurements. Results will be checked for data quality, then tabulated and submitted to the RWQCB in an annual report. The annual report shall include results from the first half and second half 2024 monitoring periods, waste placement areas, and leachate discharge flow totals. Costs for Del-Tech personnel and equipment, testing of samples collected by Enthalpy Laboratories, project coordination, correspondence with regulatory agencies, and reporting are included under this task item.

2024 MRP Costs

SHN is proposing to complete 2024 MRP Order No. R5-2019-0009 requirements on a time-and-expenses basis not to exceed \$65,060. The task costs are summarized below, and a detailed breakdown is provided in Attachment 1.

Task 1a. Field Services (Q1 and Q2)	\$11,450
Task 1b. Analytical Testing.....	\$9,240
Task 1c. First Half 2024 MRP and Annual Report Submittal	\$10,520
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Task 2a. Field Services (Q3 and Q4).....	\$11,720
Task 2b. Analytical Testing.....	\$10,170
Task 2c. Second Half 2024 MRP and Report Submittal	\$11,960
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Total	\$65,060



Lars Ewing, P.E.

Scope of Work and Cost Estimate for 2024 MRP, Eastlake Sanitary Landfill, Lake County, CA

January 16, 2024

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SHN believes the estimated cost is reasonable, and the outlined services will be cost effective as well as meet the project goals. SHN is committed to this partnership with the County of Lake to ensure high quality, cost-effective, engineering-related services. Thank you for this opportunity to continue providing environmental engineering services to the County of Lake.

Please call me at (707) 441-8855 if you have any questions.

Sincerely,

SHN



Erik J. Nielsen, PG, CHG
Project Manager

EJN:ame

Attachment 1. 2024 Cost Estimate Summary



2024 Cost Estimate Summary

1

Job Name Eastlake Landfill WDR
 Location Clearlake, CA
 Job Number 405057.403

2024 Monitoring & Reporting
 Date 1/15/2024
 Duration 12 months

TASK 1. 1st Half 2024 MRP

Classification		Units	Rate	Total
PM	EN	16	hrs \$200	\$3,200
Geologist	MC	20	hrs \$130	\$2,600
Enviro Staff	DW	24	hrs \$115	\$2,760
QA/QC	RR	4	hrs \$190	\$760
Drafting	CN	4	hrs \$110	\$440
Admin	AE	8	hrs \$95	\$760

Subtotal Labor \$10,520

Outside Fees

Deltech	Field Services - 1st Qtr	1	\$9,200	\$9,200
Deltech	Field Services - 2nd Qtr	1	\$1,450	\$1,450
Pace	Laboratory Testing	40	\$215	\$8,600
			7.5 % Markup	\$1,444

Subtotal Fees \$20,694

TASK 1 Total \$31,214

TASK 2. 2nd Half 2024 MRP

Classification		Units	rate	Total
PM	EN	16	hrs \$200	\$3,200
Geologist	MC	24	hrs \$130	\$3,120
Enviro Staff	DW	32	hrs \$115	\$3,680
QA/QC	RR	4	hrs \$190	\$760
Drafting	CN	4	hrs \$110	\$440
Admin	AE	8	hrs \$95	\$760

Subtotal Labor \$11,960

Outside Fees

Deltech	Field Services - 3rd Qtr	1	\$9,450	\$9,450
Deltech	Field Services - 4th Qtr	1	\$1,450	\$1,450
Pace	Laboratory Testing	44	\$215	\$9,460
			7.5 % Markup	\$1,527

Subtotal Fees \$21,887

TASK 2 Total \$33,847

Grand Total \$65,061

