



June 19, 2025
Kleinfelder Proposal No.: M2502521.001P

Mr. John Watson
Weber County Solid Waste
867 West Wilson Lane
Ogden, Utah 84401

**SUBJECT: PROPOSAL FOR REGULATORY SUPPORT SERVICES
 DISCONTINUATION OF POST-CLOSURE CARE REQUEST
 FORMER WEBER COUNTY LANDFILL
 2599 A AVENUE, OGDEN, UTAH**

Dear Mr. Watson:

Kleinfelder understands that Weber County Solid Waste (Weber County or Client) wishes to pursue discontinuation of post-closure monitoring at the former Weber County Landfill, located on South 2599 A Avenue in Ogden, Utah (Site), as shown on Figure 1.

Post-closure care at the Site is governed by Utah Administrative Code (UAC) Regulation 315-302. According to Regulation 315-302, post-closure care must be conducted for at least thirty years from the date of facility closure. The Utah Department of Environmental Quality (UDEQ) Division of Waste Management and Radiation Control (DWMRC) has also published a Closure and Post-Closure Procedures guidance document (Document number DSHW-2019-2185) detailing steps that the DWMRC would like to see taken as part of post-closure care and steps to terminate post-closure care at a site.

Kleinfelder reviewed publicly available reports for the Site to obtain the following Site background information:

The Site was operated as an unlined landfill from 1965 through 1997. A solid waste permit was never issued to the facility by the UDEQ. Several incinerators were operated at the Site from 1966 through 1986. Weber County conducted groundwater monitoring of monitoring wells MW1 through MW3 from 1986 through 1990. In 1990, MW1 was assessed to be contaminated and was replaced by MW5. Also in 1990, MW4 was installed upgradient of the Site and MW6 was installed downgradient of the Site. Further analysis of analytical data from MW5 suggested that contamination in MW1 was representative of the groundwater in that area. Statistical analysis completed in 1998 combined the MW1 and MW5 analytical data.

Despite having no solid waste permit issued for the Site, Weber County adopted the Solid Waste Groundwater Quality Protection Standards (SWGQPS) from Utah Administrative Code (UAC) R315-308-4. Statistical analysis was performed in 1998 on heavy metals only. The landfill was closed in December 1997. The 30-year post-closure care milestone was achieved in 2017. Another round of statistical analysis was performed in 2023 by Atlas Technical Consultants, LLC (Atlas). According to the 2023 statistical analysis report, at the time of the analysis no metals, other than arsenic, exceeded their respective SWGQPS. Analyte concentrations in downgradient wells were reported to be stable or decreasing.

SCOPE OF WORK

Kleinfelder has prepared this scope of work to request discontinuation of post-closure care at the Former Weber County Landfill from the DWMRC.

TASK 1 – Data Gathering and Assessment

Kleinfelder will compile and assess relevant data and documentation for each of the following items as listed in the DWMRC Closure and Post-Closure Care guidance document:

1. Groundwater – Kleinfelder will assess the available groundwater data and summarize the results of the most recent groundwater monitoring events and the 2023 statistical analysis.
2. Landfill Gas and Methane – Kleinfelder will assess and summarize the available landfill gas and surface emissions monitoring data. Gas collection system data will be assessed for declining methane generation trends. Additionally, Kleinfelder will assess available methane probe monitoring data for evidence of methane migration away from the Landfill.
3. Leachate – Kleinfelder will author a short statement about leachate generation in unlined landfills.
4. Settlement – Kleinfelder will assess and summarize readily-available data (including, but not limited to, Site cover inspection reports) that may show how waste in place at the Site has settled over time. The DWMRC guidance requests data that shows settlement stabilization to protect the existing cover.
5. Vegetation – Kleinfelder will assess and summarize available documentation of cover seeding and the condition of vegetation at the Site for erosion control purposes.
6. Cover System – Kleinfelder will assess and compile available as-built design records of the Landfill's cover system for submittal to the DWMRC.
7. Surface Water System – Kleinfelder will assess and summarize available documentation related to surface water control at the Site.
8. Other – Kleinfelder will incorporate responses to any other remaining items in the Closure and Post-Closure Guidance Document in our request to terminate post-closure care at the Site.

Based on the results of the various assessments, Kleinfelder may make recommendations to the Client for additional data collection, monitoring, or Site improvements to meet the expectations of the DWMRC. If it becomes necessary to collect additional field data or make Site improvements (groundwater, landfill gas, surface emissions, photographs, measurements, cover inspections/improvements, etc.) the Client will be notified, and approval of additional funds or a scope of work change order will be requested at that time.

The request document will include the results of the assessments discussed above. The request document will be provided first to the Client for review, then will be sent electronically to the DWMRC for comment and regulatory approval.

TASK 2 – Request for Discontinuation of Post-Closure Care

Kleinfelder will author a Request for Discontinuation of Post-Closure Care report for the Landfill. This document will address each of the items listed under Task 1, above. The report may include summary tables, Site figures, inspection reports, and other relevant documentation that supports Site stability. The report will be sent to the Client as draft for review and comment. Kleinfelder will incorporate any comments or requested changes into the report and then send the final version to Alex Milne with the DWMRC. Kleinfelder has included budget for one round of edits based on comments from the DWMRC. Kleinfelder has also included budget for up to two meetings with the DWMRC to discuss the report and facilitate final approval for discontinuation of post-closure care for the Site.

ASSUMPTIONS

- If the results of the data assessments do not support discontinuation of post-closure care, Kleinfelder will discuss options with the Client.
- Kleinfelder has not included budget for a Site visit or other field work.
- If additional data collection or Site improvements become necessary, Kleinfelder may require additional funds.
- The Client will provide Site basemaps in their native electronic format.
- All required data will be supplied by the Client to Kleinfelder in electronic format.
- Kleinfelder has included costs for six (6) hours of meetings to account for coordination with DWMRC personnel.
- Kleinfelder's costs do not include budget for data entry or report digitization.
- Kleinfelder will address each of the items DWMRC Post-Closure Care guidance document using the best available data or documentation. If data or documentation requested by the guidance document is not available, Kleinfelder will include a statement as such in the report.

SCHEDULE AND COST ESTIMATE

The proposed budget to complete these tasks is **\$25,600.00**.

Kleinfelder is prepared to begin this scope of work immediately upon receipt of notice to proceed from the Client.

If schedule or cost changes are required, Kleinfelder will communicate with the Client and receive authorization in writing before proceeding with the work. This project will be performed on a time and materials basis under our existing Master Services Agreement dated March 28, 2024.

AUTHORIZATION

Please sign the attached Work Order and return to Kleinfelder. Upon receipt, Kleinfelder will return one fully executed copy for your records.

LIMITATIONS

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present. Acceptance of this proposal will indicate that Weber County has reviewed the document and determined that it does not need or want a greater level of service than provided. It is the Client's obligation to contact Kleinfelder if it desires an explanation of any of the services offered and the risks associated therewith. Any exceptions should be noted and may result in higher fees.

Regulations and professional standards applicable to Kleinfelder's services are continually evolving. Techniques are, by necessity, often new and relatively untried. Different professionals may reasonably adopt different approaches to similar problems. As such, our services are intended to provide Weber County with a source of professional advice, opinions and recommendations based on a limited number of field observations and tests, collected, and performed in accordance with the generally accepted practice that exists at the time, and may depend on, and be qualified by, information gathered previously by others and provided to Kleinfelder by Weber County.

CLOSING

We appreciate the continued opportunity to provide environmental and solid waste technical services to Weber County; thank you for your business. If there are any questions regarding this proposal, please contact us at 801.261.3336.

Sincerely,

KLEINFELDER, INC.



Dylan Pike, PG
Project Professional



Mike Gronseth, PE, PG, PMP
Senior Project Manager

Attachments:

- A. Work Order SLC25W181930



KLEINFELDER

Bright People. Right Solutions.

**ATTACHMENT A:
WORK ORDER SLC25W181930**

Issued Pursuant to Client Master Services Agreement effective as of March 28, 2024, by and between Weber County (**Client**) and Kleinfelder, Inc. (**Kleinfelder**).

Client Name: Weber County Solid Waste

Kleinfelder Project No: M2502521.001P

Project Name: Former Weber County Landfill -
Discontinuation of Post-Closure Care Request

Work Order Type: (Check One)

Time-and-Materials

Fixed-Price

Kleinfelder Office: Salt Lake City

Subcontractor Reference No:

Kleinfelder Contact Name: Dylan Pike

1. SCOPE OF WORK: See Kleinfelder's proposal (Kleinfelder document number SLC25P181929).
2. LOCATION/CLIENT FACILITY INVOLVED: 2599 A Avenue, Ogden, Utah
3. PERIOD OF PERFORMANCE: FROM: June 23, 2025 TO: December 31, 2025
4. AUTHORIZED FUNDING: \$25,600.00

NOTICE TO PROCEED IS GIVEN ON (DATE):

CLIENT:

KLEINFELDER:

By: _____

By: _____


Printed Name:

Printed Name: Dylan Pike

Title:

Title: Project Manager

Address:

Address: 849 West Levoy Drive, Suite 200
Taylorsville, UT 84123