



Figure 2. Location Map for SRS OUs with Geosynthetic or S/S Cover Systems

Protectiveness Summary

All fifteen remedies were determined to be protective of human health and the environment. **The E-Area LLWF and F-Area Tank Farm OU are currently in the operational phase and unit specific LUCs have been deferred until final closure of these OUs. The interim remedies are currently protective because access is controlled by SRS facility security and administrative controls.** SRS geosynthetic and S/S cover systems and related activities are functioning as intended.

Next Five-Year Remedy Review

The Sixth Five-Year Remedy Review Report for SRS OUs with Geosynthetic or S/S Cover Systems is due in January 2023.

Issues and Recommendations

- Maintenance of the stormwater runoff covers at the E-Area LLWF continues to be problematic due to subsidence, water pooling on the covers, and lifting during wind events. The current geosynthetic covers are not expected to meet the original project life of 25 years and high maintenance and replacement costs are anticipated. The USDOE recommends that discussions continue with the USEPA and SCDHEC on the type of cover system needed for future slit trench disposal units.
- Elevated gross alpha concentrations were detected in the BMW groundwater wells at the B-Area OU likely due to turbidity issues. The USDOE recommends redevelopment of the BMW wells prior to the next sampling event to reduce turbidity, followed by filtering of samples and speciation, as needed, for radionuclides. The sampling results from the redeveloped wells will be reported in the Sixth Five-Year Remedy Review Report.
- Ten radionuclides identified as contaminant migration constituents of concern for the P Area OU (PAOU) are not predicted to impact groundwater before the year 2230. Many of these radionuclides require specialized analytical methods. The USDOE recommends a reduction of the PAOU analyte list to focus on radionuclides with the fastest travel times as predicted by the groundwater model. The change to the monitoring strategy will be documented in an addendum to the PAOU Effectiveness Monitoring Plan.
- **The E-Area LLWF and FTF OU are currently in the operational phase and OU-specific LUCs have been deferred until final closure of the entire facilities. SRS facility security and administrative controls that restrict unauthorized access to the E-Area LLWF and FTF OU are not part of the interim remedies and therefore not recognized as long-term protective. SRS recommends that Appendix A of the FFA Annual Progress Report be revised to include the E-Area LLWF and FTF OU to demonstrate long term protectiveness through the SRS facility security and administrative controls. The report is required by the FFA and includes an annual certification by the USDOE SRS Manager that the listed OUs are in compliance with land use requirements.**