

Site Description

An industrial wastewater basin was used from 1961 until 1978 as the final settling basin for the facility's wastewater. Temporary closure of the basin was completed in 1981. Final closure plans were prepared in August 1999 and approved by SCDHEC in October 1999. Over 11,000 cubic yards of cadmium-impacted sludge and soil were removed and replaced with clean backfill in early 2000. A clean-closure certification was submitted in September 2000 and approved by SCDHEC in January 2001.



A complete characterization of the contaminants of concern and the volume of impacted material was critical in achieving final clean closure in a short time frame.

Rogers & Callcott Services and Results

Site Investigation and Data Analysis - An extensive sampling program was implemented by Rogers & Callcott using in-situ sampling techniques. Samples were visually inspected for the presence of sludge material and were analyzed at Rogers & Callcott's laboratory. The data were used to determine the constituents of concern and define a closure criterion based on site-specific soil conditions and consistent with RCRA regulations. The result was a well-defined closure project with known volume, contaminants, and cost.

Contract Management and Closure Activities - Rogers & Callcott executed the following project tasks during closure activities:

- Prepared a closure plan that met site and regulatory criteria,
- Secured SCDHEC approval and local permits for the site work,
- Prepared request for proposals to remove, transport, and dispose of the material and site restoration,
- Prepared contract documents and technical specifications for the owner,
- Assisted the owner in contractor selection,
- Established horizontal and vertical site controls prior to removal activities,
- Performed ongoing site work observation and documentation during site preparation, excavation, stockpiling, off-site disposal, backfilling and final site grading,
- Performed sampling and laboratory analysis to ensure conformity with the closure criteria,
- Reviewed and processed pay requests by the contractor,
- Prepared clean-closure certification document, and
- Obtained final regulatory approval for completion of the work.