

RBCA Site Characterization, Remediation, and Closure

ENVIRONMENTAL CONSULTING

Idaho Transportation Department,
Cambridge Maintenance Yard

Type of Service

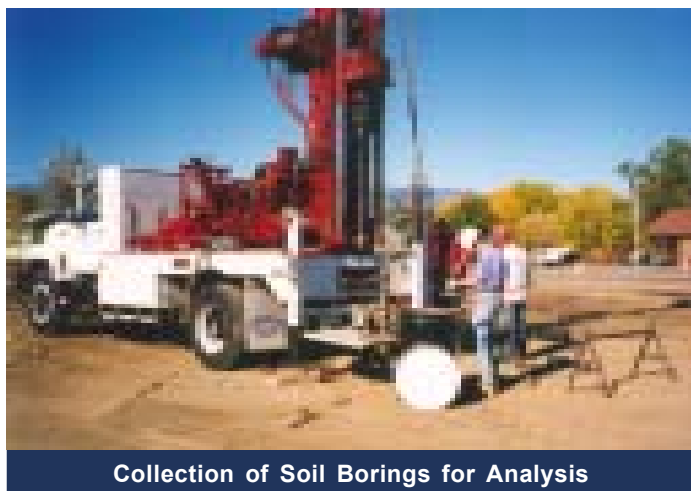
- ▲ Summit Environmental staff performed a Risk Based Corrective Action (RBCA) for a petroleum release at the Idaho Transportation Department Cambridge Maintenance Yard. During the decommissioning of 3 underground storage tanks (USTs), petroleum contamination was found. Summit Environmental conducted characterization, remediation, and monitoring to target a Tier 0 closure. The possibility of a Tier 1 closure required evaluating potential exposure scenarios.

Key Issues

- ▲ Reviewed past site uses and UST Monthly Inventory Control records to estimate the volume of released product.
- ▲ Collected and analyzed samples from soil borings and shallow test pits for the petroleum contaminants of concern as required by the Idaho RBCA Program to determine the extent of the petroleum-contaminated soil (PCS).
- ▲ Determined the presence and extent of petroleum contamination in ground water by installing monitoring wells, determining flow direction, and collecting ground water samples analyzed for the contaminants of concern.
- ▲ Used three-dimensional computer modeling to estimate extent of excavations required for a Tier 0 site closure.
- ▲ Constructed an off-site land treatment site for the remediation of PCS excavated from the UST basin.
- ▲ Conducted quarterly ground water monitoring and land treatment site sampling to determine site cleanup effectiveness and the progress of soil remediation.
- ▲ Completed Idaho RBCA Tier 0 Closure documentation and prepared final site characterization report for submission to the Idaho Division of Environmental Quality.



Construction of Land Treatment Site



Collection of Soil Borings for Analysis

Project Location

- ▲ Cambridge, Idaho

 **Summit**
Environmental, Inc.