

**TOTAL ENVIRONMENTAL
RESTORATION CONTRACTS**
A SUCCESS STORY

AKUTAN ISLAND

The former Akutan Naval Station is located on Akutan Island, Alaska, once the site of a whaling facility. The military used the site during World War II as a naval refueling station. Over time, many of the tanks deteriorated and began releasing fuel oil into the environment, including Akutan Bay.

The Alaska District of the U.S. Army Corps of Engineers had its TERC contractor, Jacobs Engineering, develop planning documents and an engineering evaluation/cost analysis utilizing design/build criteria. The planning process included public comment and stakeholder reviews. The contractor mobilized to the site on 1 July 1996 and began construction within a week.

More than 90,000 gallons of Bunker C oil and tank sludge were removed from the tanks and barged to Anchorage for recycling. Then the six tanks and associated piping were removed and recycled.

TERC WORKS



Bulk product removal and demolition of aboveground storage tanks.



Project received
Secretary of
Defense Excellence
Award.

Faced with quantities of oil and contaminated soils that exceeded estimates fourfold, the Corps directed the contractor to redesign the transportation and disposal plan. The TERC contractor saved \$180,000 by treating the contaminated soil at nearby Dutch Harbor, Alaska, rather than shipping it to Anchorage for treatment. Another \$250,000 was

saved when the Corps negotiated an agreement to dispose of the oil-saturated wood, rocks, and debris in a local landfill, instead of transporting the waste to Seattle for disposal. The contractor designed and constructed a passive biovent system to treat remaining site soils. All field work was completed within the original 110-day construction window.

This \$7.1 million project was awarded, designed, constructed, and placed into operation and maintenance in only 10 months. The traditional fixed-price design and construction approach could not have met this tight schedule.

Through partnering with stakeholders and regulators, the TERC team was able to condense a 6-year study and cleanup process into one field season.

Turnkey approach
saved \$6 million
and 5 years.

This project demonstrated the value and flexibility of the TERC concept with a turnkey approach that saved an estimated \$6 million and 5 years.

This project received the Secretary of Defense Productivity Team Excellence Award for innovative cleanup strategies and savings of time and money to the government.



ALASKA DISTRICT

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