

AHTNA

Excavation and Thermal Treatment of Fuel-Contaminated Soil *Cold Bay, Alaska* *U.S. Air Force*

Project Description

Ahtna was contracted to perform excavation, stockpiling, and thermal treatment of diesel-contaminated soil associated with this site located on the western end of the Alaska Peninsula approximately 630 miles southwest of Anchorage, AK. The first phase of the project consisted of excavation of approximately 2,000 cubic yards of soil and construction of long-term stockpiles for winter storage of the soil. An extensive sampling effort was also performed in order to characterize the soil, determine contamination limits, and provide baseline readings prior to soil storage.

For the second phase of the project, a low temperature thermal desorption plant was utilized on the site for treatment of the contaminated soil. The previously constructed stockpiles were removed as the soil was screened and fed through the plant for treatment. Upon discharge, the soil was held in a designated area to await testing. Sampling was conducted throughout the process to verify that removal of the contaminants met Alaska Department of Environmental Conservation cleanup levels in the treated soil. Following this verification, the soil was compiled and graded.



Cold Bay, AK. Ahtna provided excavation and thermal treatment of fuel-contaminated soil in Cold Bay. Cold Bay, known as the “Gateway to the Aleutians,” was the site of a former Air Force Tank Farm.



Cold Bay, AK. Due to the remote site location, unique logistical problems had to be overcome to perform this project. All sampling was performed during the extremely harsh winter conditions in Cold Bay.