

**Compliance Site Clean Up at Seward and Anchorage
(Tudor)**

FY2011 Request: \$250,000
Reference No: 48779

AP/AL: Appropriation **Project Type:** Life / Health / Safety
Category: Health/Human Services
Location: Anchorage Areawide **Contact:** McHugh Pierre
House District: Anchorage Areawide (HD 17-32) **Contact Phone:** (907)428-6003
Estimated Project Dates: 07/01/2010 - 06/30/2011

Brief Summary and Statement of Need:

The Compliance Cleanup Site Clean Up project addresses soil and groundwater contamination issues at the Seward Armory and the Tudor Combined Support Maintenance Shops in Anchorage. This project contributes to the Army Guard's mission to organize, man, equip and train quality units to conduct tactical operations and stability support operations in support of worldwide U.S. Army requirements and State of Alaska emergency missions.

Funding:	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	Total
Gen Fund	\$250,000						\$250,000
Total:	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

No previous request has been made for final compliance clean up at these two sites.

Project Description/Justification:

Site Clean Up at Seward Armory:

During a 1994 Environmental Compliance Assessment Site Investigation, a leak from the Aboveground Storage Tank (AST) was discovered. In 1996, 65 cubic yards were excavated and sent to Anchorage for thermal desorption. This excavation was backfilled with clean material. The proposed cleanup level at that time was based on Alaska Department of Environmental Conservation (DEC) table 1 Matrix score-sheet from 18 AAC 75.341. Confirmation sampling indicated that the Diesel Range Organics (DRO) remained in place from the spill. Installation of a monitoring well was recommended by the remedial contractor; however, this was not accomplished prior to transfer of the property to the Alaska Department of Education. The corrective action as a result of this request will be to perform Groundwater Determination in accordance with 18 AAC 75.350 and the expected outcome will be site closure.

Site Clean Up at the Tudor Combined Support Maintenance Shops (CSMS) - Lower Yard:

As part of the transfer of the Army National Guard CSMS to the Department of Transportation and Public Facilities during a building demolition, an abandoned fuel line and sewer line were discovered.

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It is believed that the fuel line provided heating oil fuel from a main storage tank to the maintenance shop located on the southwest corner of the yard. Obvious breaches of the fuel line were noticed during its removal and contaminated soil was present. Investigations identified three breaks in the line resulting in areas of concern, with fuel migrating preferentially along the fuel and sewer line. After a limited survey was conducted in March 2000, the primary cause of concern became the lower yard and underground storage tank with associated underground piping. Exploration excavations were conducted and soil samples taken suggested migration of contamination off-site and resulted in recommendation for groundwater sampling. The corrective action of this project is to follow the DEC plan provided in September 2008 which agreed with passive free product recovery and natural attenuation, but needed further information. This includes a demonstration that the groundwater contamination is at a steady state or decreasing, a demonstration that natural attenuation is occurring for the soil contamination and an estimated time for the site to reach clean up levels. Further, a method for restricting access to groundwater until it meets clean up level is required. The expected outcome is site closure with no off site product migration and reduction of levels through natural attenuation.