STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF SPILL PREVENTION AND RESPONSE
CONTAMINATED SITES PROGRAM

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File: 100.26.177

April 28, 2005

Mr. Bud Hilton
601 Halvorson Road
Fairbanks, AK 99709

Re: No Further Action (NFA)
Bud Hilton Pumping & Thawing
Event ID: 1733

Dear Mr. Hilton:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) reviewed AGRA Earth & Environmental's (AGRA) Underground Storage Tank (UST) Closure Site Assessment dated January 1998 for Bud Hilton Pumping and Thawing located at 601 Halvorson Road in Fairbanks, Alaska. Based on the AGRA report and the information presented below, ADEC has determined that no further action is required for this site.

Site Background
In September 1997, AGRA completed the Closure Site Assessment for two USTs on the Bud Hilton Pumping and Thawing site. The UST system was composed of a 1,500-gallon buried gasoline tank, a 1,500-gallon buried diesel tank, a dispenser system and its associated piping. The tanks were installed in 1988 for truck and auto refueling. The project site consists of a residential building and a shop building. The gasoline tank was located adjacent to the driveway of the residential structure at the site. The diesel UST was located adjacent to the shop building. The gasoline dispenser system was located directly above the tank and was completely removed prior to this assessment. The diesel dispenser was similarly removed; however, a portion of the piping extended approximately three feet from the former tank location to the dispenser location. The dispensers were reportedly removed when the tanks were taken out of service in 1994.

The depth of the groundwater in the area is estimated to be approximately 12 to 14 feet below ground surface (bgs). The water and sewer services at the site are supplied by Golden Heart Utilities System.

The two tanks were decommissioned on September 11, 1997. Clean soils were stockpiled on site adjacent to the excavation during site work. These soils along with imported filled were used to backfill the former tank excavation. Approximately three to four cubic yards of impacted soil were transported to Organic Incineration Technology, Inc. (OIT) for thermal remediation.

Screening analyses were conducted on soil samples using Hanby test kits. Confirmation soil samples were collected based on the screening results. After removing each tank, AGRA personnel collected two representative soil samples roughly 9 feet bgs and beneath each tank location. Samples from under the gasoline tank were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), gasoline range organics (GRO), and total lead. Samples from under the diesel tank were analyzed for diesel range organics (DRO). A single sample was collected from the soils within two feet from the bottom of the former diesel tank dispenser. AGRA also collected two soil samples from the clean stockpile and one sample from the impacted stockpile for characterization. The benzene analyses were non-detect, however the method detection limit (MDL) of 0.05 mg/kg was slightly above the ADEC cleanup level (0.02 mg/kg).

Based on the Hanby test results for a sample collected from the eastern sidewall of the diesel tank excavation, there appears to be limited residual impacted soil beneath the building stairwell. This soil could not be safely removed without affecting the building foundation. AGRA suggests that the affected soil is limited to the area surrounding the former fill pipe and could be due to tank overfills or small surface spills. They estimate the volume of impacted soil remaining in the ground beneath the structure to be less than two cubic yards.

Sample ID	Collection Area	Benzene	Total BTEX	GRO	DRO	Total Lead
T-1	Beneath gas tank	* ND	ND	ND	NT	7
T-2	Beneath gas tank	* ND	ND	ND	NT	4
T-3	Beneath diesel tank	* ND	ND	NT	ND	NT
T-4	Beneath diesel tank	* ND	ND	NT	34	NT
T-5	Beneath diesel dispenser piping	* ND	ND	NT	ND	NT
CSP-1	Stockpiled soils	* ND	ND	ND	ND	NT
CSP-2	**Stockpiled soils**	* ND	ND	ND	**390**	NT
ISP-1	**Stockpiled soils**	* ND	ND	ND	**2,500**	11
ADEC Cleanup Levels	Method 2, Under 40" precipitation, migration to groundwater	0.02		300	250	400

All results are in milligrams per kilogram (mg/kg).
CSP: Clean soil stockpile (spread on-site).
ISP: Impacted soil stockpile (thermally remediated).
ND: non-detect
NT: not tested
* The method reporting limit for benzene was 0.05 mg/kg which over the current ADEC Cleanup level for benzene (0.02 mg/kg).

Approved Cleanup Levels
The soil cleanup levels established for this site are Method 2, under 40" precipitation, migration to groundwater cleanup levels.

ADEC Decision

ADEC has determined that the cleanup actions employed at the site were effective in removing the majority of the impacted soil. Therefore, ADEC has determined that **no further action** at 601 Halvorson Road site is required.

In accordance with 18 AAC 75.380(d)(1), additional investigation and cleanup may be required if new information is discovered which leads the ADEC to make a determination that the cleanup described in this decision is not protective of human health, safety, and welfare or the environment.

If you are in disagreement with this decision you may seek an adjudicatory hearing under 18 AAC 15.200 – 18 AAC 15.920 within 30 days of the mailing of this decision. If you have any questions, please contact Deborah Williams at (907) 451-5174 or via e-mail at Deborah_Williams@dec.state.ak.us.

Sincerely,

Deborah Williams

Deborah Williams
Environmental Specialist

Sincerely,

Lawrence Johnson

Lawrence Johnson
Environmental Specialist