STATE OF ALASKA

FRANK MURKOWSKI, GOVERNOR

DEPT. OF ENVIRONMENTAL CONSERVATION

DIVISION OF SPILL PREVENTION AND RESPONSE
CONTAMINATED SITES PROGRAM

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File: 100.26.150

February 25, 2003

Chena-Goldstream Fire & Rescue
P.O. Box 80487
Fairbanks, AK 99708

Re: No Further Action
Chena-Goldstream Fire & Rescue, Fire Station #1
3210 Murphy Dome Road
Database ID No. 1992310012901

To whom it may concern:

The Alaska Department of Environmental Conservation (ADEC) has reviewed the Shannon & Wilson, Inc.'s Underground Storage Tank (UST) Closure report for the Chena-Goldstream Fire & Rescue, Murphy Dome Road Site submitted to ADEC on May 8, 1996.

Site Background

The site is located at the Chena Goldstream Volunteer Fire Department at 3210 Murphy Dome Road in Fairbanks, Alaska. The legal description is Fairbanks North Star Borough Tax Lot TL918, T1N R2W Section 9. The USTs located on this site consisted of one 1,000-gallon gasoline tank and one 1,000-gallon diesel tank, each contained within a separate excavation.

The diesel tank was covered with only about 6 inches of soil. No leaks were detected in the product lines or vent lines of the diesel tank. The excavation was dug to approximately two feet below the fill end of the tank and approximately 1 foot below the vent end. Approximately 1-cubic yard of contaminated soil was excavated from the diesel tank location.

The gasoline tank was covered with about 1.5 to 2 feet of soil. It was noticed during pipe removal that there was a loose joint in the vent pipe at a height of approximately 4 inches below the top of the gasoline tank's fill pipe. It was necessary to excavate to approximately 2.5 feet below the bottom of the tank. Approximately 30 yards of contaminated soil were excavated from the gasoline tank location. The soil was stockpiled on and covered with a 20-mill impermeable liner.

All the contaminated soil was sampled and transported to Organic Incineration Technology (OIT, Inc.) for thermal remediation.

Approved Cleanup Levels

The approved soil cleanup levels are the most stringent levels for the under 40-inch precipitation zone. These cleanup levels, found at 18 AAC 75.341 Tables B1 and B2, are as follows for the detected contaminants.

Contaminant	Cleanup Level (mg/kg)
Gasoline Range Hydrocarbons	300
Diesel Range Hydrocarbons	250
Residual Range Hydrocarbons	11,000
Benzene	0.02
Toluene	5.4
Ethylbenzene	5.5
Total Xylenes	78

According to the report, after excavating the contaminated soil, as determined with the Photoionization Detector (PID), two soil samples were collected from underneath each tank. The soil samples were analyzed for gasoline range organics (GRO) (below the gasoline tank), diesel range organics (DRO) (below the diesel tank), benzene, toluene, ethylbenzene, and xylene (BTEX) (below both tanks). All four sample results met the most stringent ADEC cleanup levels for the under 40-inch precipitation zone.

Determination

The cleanup of Chena Goldstream Fire Station #1 has met all requirements specified in 18 Alaska Administrative Code (AAC) 75 Article 3 - Discharge, Reporting, Cleanup, and Disposal of Oil and Hazardous Substances and 18 AAC 78, Underground Storage Tanks. Based on the information provided by your consultant, all soil left in place meets ADEC Cleanup Levels and therefore, ADEC agrees that an issuance of **No Further Action** is appropriate.

Closure

In accordance with 18 AAC 75.380(d)(1) and 18 AAC 78.276, additional investigation and cleanup may be required if new information is discovered which leads 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,

Larry Johnson

Larry Johnson
Environmental Specialist