

STATE OF ALASKA

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

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April 6, 2006

Cliff Reagle
Facility Manager
State of Alaska Department of Corrections
4500 Diplomacy Drive # 207
Anchorage, AK 99508

Re: No Further Action Determination
Fairbanks Correctional Center
1931 Eagan Street
Fairbanks, Alaska 99701

Dear Mr. Reagle:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has reviewed the document entitled *Alaska Department of Transportation & Public Facilities State Owned UST R&R Program FY 99: Fairbanks Correctional Facility, Fairbanks, Alaska*. Based on the information presented in this report and data contained within the administrative case file, ADEC has determined that further cleanup action is not required at this time and the site will be closed.

Please note the following information that was considered in making the determination on the environmental status of the site.

Site Background

The Fairbanks Correctional Center (FCC) is operated by the Department of Corrections and located at 1931 Egan Street, Fairbanks, Alaska. The site is approximately one mile south of downtown Fairbanks in the northeast ¼ of Section 16, T1S, R1W, Fairbanks Meridian. The general site area contains a mixture of both residential and commercial business properties and is within the floodplain of the Tanana River. The nearest surface water body is the Chena River, approximately ½ mile to the north. Several small ponds and marshy areas are also found within a ½ mile radius of the site. Groundwater beneath the site was encountered during field activities at a depth of approximately 10.5 feet below the ground surface (bgs).

The facility has a 10,000-gallon diesel underground storage tank (UST) that was upgraded in 1999. It is described as Tank #2 and is located approximately 75 feet west of the south wing of the facility, between the inner and outer containment fences. The tank upgrades included lining it; installing the fill port with a 5-gallon overfill container; and several upgrades to the buried pipe system.

There is another unregulated 10,000-gallon UST that was closed in place in 1994. The in-site closure was necessitated by the location of the tank inside the security fence of the facility, preventing access of heavy equipment. The tank passed tightness tests prior to closure, and no contamination was found at a bore hole drilled to 11.5 feet bgs and within a 5 foot radius of the north end of the tank. The tank is referred to as Tank #1 and was an unregulated UST.

During the 1999 upgrade actions to Tank #2, diesel-impacted soils were observed directly below the fill port. The soil was excavated to 3.7 feet bgs and no groundwater was encountered during excavation. Approximately 3 cubic yards of soil were removed and stockpiled on site.

Soil samples from beneath the fill port of the tank and the excavation were analyzed for Gasoline Range Organics (GRO); Diesel Range Organics (DRO); benzene, toluene, ethylbenzene, total xylene isomers (BTEX) and polynuclear aromatic hydrocarbons (PAHs). The results from the excavation indicated DRO levels up to 15.8 milligrams per kilogram (mg/kg), and benzo[b]fluoranthene at 0.00056 mg/kg, which are below the ADEC cleanup standards.

The samples from the soil stockpile were analyzed for GRO, DRO, BTEX, and PAHs. DRO was detected up to 125,000 mg/kg but all PAH analytes were below ADEC cleanup levels. In 2000, the soil stockpile was transported off site and thermally treated.

Exposure Pathway Evaluation

The site is not publicly accessible, surrounded by two layers of containment fencing (concertina wire). The potential source of contamination is the upgraded 10,000-gallon UST. Potential release mechanisms are from spills during filling of the tank or from over filling the tank. Surface and subsurface soils are impacted, but groundwater and surface water are not. Given the restricted access to the site, potential receptors include site workers, visitors, trespassers, and on-site residents (prisoners).

The exposure pathways considered complete for this site include incidental soil ingestion, inhalation of indoor and outdoor air. Groundwater could be a drinking water source in the future, but the facility is currently served by Golden Heart Utilities. The soil remaining at the site meets the most stringent ADEC cleanup levels and does not pose a risk to human health or the environment.

Cleanup Levels

The soil cleanup levels established for the site are 18 AAC 75.341 Method Two Migration to Groundwater Cleanup Levels for the Under 40 inch Zone.

The groundwater cleanup levels are established in 18 AAC 75.345 Table C.

ADEC Decision

The FCC has upgraded the UST and removed the contaminated soil from the fill port area. Based on the information provided to date, ADEC has determined that there is no contamination remaining above the established cleanup levels that would pose an unacceptable risk to human health or the environment. Therefore, **no further action** at the FCC site is required at this time.

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 of the environment.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 – 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, 410 Willoughby Avenue, Suite 303, P.O. Box 111800, Juneau, Alaska 99811-1800, within 15 days of the decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation at the above address, within 30 days of the decision. If a hearing is not requested within 30 days, the right to appeal is waived.

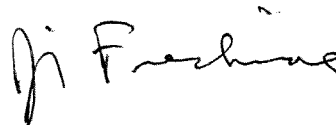
If you have any questions, please contact Shannon Uzzell at (907) 451-2104 or via e-mail at Shannon_Uzzell@dec.state.ak.us.

Sincerely,



Shannon Uzzell
Environmental Program Specialist

Sincerely,



Jim Frechione
Environmental Program Manager

cc: Brad Miller, Maintenance Supervisor, Fairbanks Correctional Center