

STATE OF ALASKA

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

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File: 2215.26.003

Certified Return Receipt Requested
Article No: 7007 3020 0000 1948 8735

March 25, 2009

Howard Thies
Alaska Department of Transportation and Public Facilities
2301 Peger Road
Fairbanks, Alaska 99709-5316

Re: Record of Decision (ROD); ADOT&PF- Cordova Maintenance Station
Corrective Action Complete Determination

Dear Mr. Thies:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with ADOT&PF- Cordova Maintenance Station located at Mile 10, Copper River Highway in Cordova, Alaska. Based on the information provided to date, the ADEC has determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment, and this site will be closed.

This decision is based on the administrative record for ADOT&PF- Cordova Maintenance Station, which is located in the offices of the Alaska Department of Environmental Conservation (ADEC) in Anchorage, Alaska. This letter summarizes the decision process used to determine the environmental status of this site and provides a summary of the regulatory issues considered in the Corrective Action Complete Determination.

Introduction

Site Name and Location:

ADOT&PF- Cordova Maintenance Station
Mile 10, Copper River Highway
Cordova, Alaska 99574

Name and Mailing Address of Contact Party:

Howard Thies
Alaska Department of Transportation and Public Facilities
2301 Peger Road
Fairbanks, Alaska 99709-5316

Database Record Key and File Number:

ADEC Reckey: 1997240033802

File: 2215.26.003

Hazard ID: 24629

Regulatory authority under which the site is being cleaned up:

18 AAC 75 and 18 AAC 78

Background

In 1977 a 3,000-gallon diesel Underground Storage Tank (UST) and a 1,000-gallon used oil UST were removed from the site. It is reported that another 3,000-gallon gasoline UST (formerly located adjacent to the diesel UST) was removed from the site in the 1980's. However that removal is not documented. Groundwater was located at approximately 10 feet below ground surface during the tank excavations.

Contaminants of Concern

During the course of investigations at this site, soil samples were analyzed for: diesel range organics (DRO); gasoline range organics (GRO); benzene, toluene, ethylbenzene and xylene (BTEX); Halogenated Volatile Organics (HBOs), polychlorinated biphenyls (PCBs), and the metals arsenic, cadmium, chromium, and lead. Based on these analyses and knowledge of the contaminant source, the following Contaminant of Concern was identified:

- DRO

Cleanup Levels

The soil cleanup levels for this site are established in 18 AAC 75.341, Method Two, Tables B1 and B2, Migration to Groundwater.

<u>Contaminant</u>	<u>Site Cleanup Level (mg/kg)</u>
DRO	250

Cleanup Activities

During removal of the 3,000-gallon UST in 1997, approximately 35 cubic yards of petroleum impacted soil along with clean soil was removed and temporarily stockpiled next to the excavation. Confirmation samples collected from the excavation did not contain contaminant concentrations above ADEC cleanup levels; however soil samples collected from the stockpile contained DRO up to 2,100 mg/kg, and some of this material was used to backfill the excavation.

During removal of the 1,000-gallon UST in 1997, approximately 20 cubic yards of petroleum impacted soil was removed and temporarily stockpiled next to the excavation. Confirmation samples collected from the excavation did not contain contaminant concentrations above ADEC cleanup levels; however soil samples collected from the stockpile contained DRO up to 770 mg/kg, and some of this material was used to backfill the excavation. Contaminated soil that was not used to backfill the excavation was stockpiled on site.

In 2003, additional characterization was conducted at the former location of the 3,000-gallon diesel UST and 3,000-gallon gasoline UST. Four test pits were excavated to groundwater; Two at the location of the former tanks and at two immediately down-gradient of the former tanks. Soil samples collected from the bottom of each of the test pits did not contain contaminant concentrations above ADEC cleanup levels, suggesting that any releases from the former tanks were de minimis in nature and did not impact groundwater in the area.

Contaminated soil that was stockpiled in 1997 was landspread at the Cordova Locke Property a half mile north of the Maintenance Station and is being monitored under the Contaminated Site ADOT&PF Cordova Maintenance Station Hazard ID #1305.

Pathway Evaluation

The exposure pathways for human health that were evaluated include the following: ingestion of soil and groundwater and indoor and outdoor inhalation of vapors. The ingestion of soil and inhalation pathways may be complete, but the contaminant concentrations remaining are below inhalation and ingestion cleanup levels.

The migration to groundwater pathway is considered incomplete as soil sampling data from the groundwater interface did not indicate the presence of contaminants above migration to groundwater cleanup levels. A potable well is present at the facility, and samples collected from the well on various occasions since 1997 did not contain detectable concentrations of contaminants. It is reported that the well is used only for washing vehicles and is not used for drinking water due to poor water quality.

The exposure pathway analysis above was supported by the most recent ADEC Exposure Tracking Model (ETM) ranking. The ETM results showed all pathways to be De Minimis Exposure, Exposure Controlled, or Pathway Incomplete.

ADEC Decision

The cleanup actions to date have served to excavate and adequately remove contaminated soil from the site. Based on the information available, ADEC has determined no further assessment or cleanup action is required. There is no longer a risk to human health or the environment, and this site will be designated as closed on the Department's database.

Although a Corrective Action Complete determination has been granted, ADEC approval is required for off-site soil disposal in accordance with 18 AAC 78.600(h) and it should be noted that movement or use of potentially contaminated soil in a manner that results in a violation of 18 AAC 70 water quality standards is unlawful.

This determination is in accordance with 18 AAC 78.276(f) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

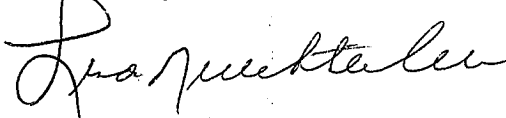
Appeal

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, Juneau, Alaska 99801, within 15 days after receiving the department's decision reviewable under this section. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days after the date of issuance of this letter, or within 30 days after the department issues a final decision under 18 AAC 15.185. If a hearing is not requested within 30 days, the right to appeal is waived.

If you have questions about this closure decision, please contact the ADEC project manager, William O'Connell at (907) 269-3057.

Sincerely,



Linda Nuechterlein
Environmental Manager

Sincerely



Bill O'Connell
Environmental Specialist

CC: Jennifer Kuentzel, ADOT&PF Leasing