

STATE OF ALASKA

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

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File: 2320.26.001

April 15, 2011

Scott Berglund P.E.
Federal Aviation Administration
Alaska Region Technical Operations
222 W. 7th Avenue, #14
Anchorage, AK 99513

Re: FAA Kenai ARSR, Cleanup Complete Determination

Dear Mr. Berglund:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the FAA Kenai ARSR (Building 409) located in Kenai 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 the FAA Kenai ARSR, 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 Cleanup Complete Determination.

Introduction

Site Name and Location:

FAA Kenai ARSR
Kenai, Alaska 99611

Name and Mailing Address of Contact Party:

Scott Berglund P.E.
Federal Aviation Administration
Alaska Region Technical Operations
222 W. 7th Avenue, #14
Anchorage, AK 99513

Database Record Key and File Number:

ADEC Reckey: 1997230023401

File: 2320.26.001

Hazard ID: 24939

Regulatory authority under which the site is being cleaned up:

18 AAC 75 and 18 AAC 78

Background

Petroleum impacted soil was encountered during the removal of a 3000-gallon gasoline underground storage tank (UST) and associated piping. Soil samples collected at this site have been tested for: diesel range organics (DRO); gasoline range organics (GRO); benzene, toluene, ethylbenzene and xylene (BTEX); and polynuclear aromatic hydrocarbons (PAH).

Characterization Activities

During the tank removal in 1997, approximately 9 cubic yards of soil were excavated. Five confirmation soil samples were collected from the depths of the excavation. Confirmation soil samples taken in the excavation were non-detect to 1500 mg/kg for diesel range organics (DRO). Five analytical samples were analyzed for: benzene, ethylbenzene, toluene, and total xylenes (BTEX). The highest result for total BTEX was 0.041 mg/kg, all individual components were non-detect.

The Remedial Investigation in 2002 installed six boreholes that were sampled for GRO, DRO, BTEX and PAH. DRO was the only analyte detected from 0.02 mg/kg to a maximum of 2600 mg/kg.

Four of these boring were completed as monitoring wells and analyzed for GRO, DRO, BTEX and PAH. All detections were below the 18 AAC 75.345 Table C groundwater cleanup levels.

Contaminants of Concern

During the investigations at this site, soil samples were analyzed for GRO, DRO, BTEX and PAH. Based on these analyses and knowledge of the source area, the following Contaminant of Concern was identified:

- DRO

Cleanup Levels

The default soil cleanup level for this site is established in 18 AAC 75.341, Method Two, Table B2, Ingestion Pathway.

<u>Contaminant</u>	<u>Site Cleanup Level (mg/kg)</u>
DRO	10250

The default groundwater cleanup level for this site is established in 18 AAC 75.345 Table C Groundwater Cleanup Levels. ADEC has determined this pathway to be incomplete as no contaminants were found above the cleanup levels.

Pathway Evaluation

Following investigation and cleanup at the site, exposure to the remaining contaminants was evaluated using ADEC's Exposure Tracking Model (ETM). Exposure pathways are the conduits by which contamination may reach human or ecological receptors. ETM results show all pathways to be one of the following: De Minimis Exposure or Pathway Incomplete.

"De-minimis exposure" means that in ADEC's judgment receptors are unlikely to be affected by the minimal volume of remaining contamination. "Pathway incomplete" means that in ADEC's judgment contamination has no potential to contact receptors.

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 Cleanup Complete determination has been granted, ADEC approval is required for off-site soil disposal in accordance with 18 AAC 78.600(h). 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.

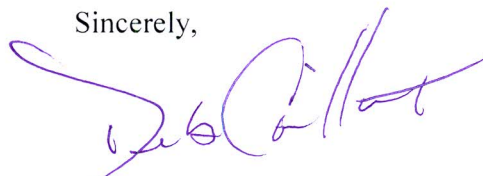
This determination is in accordance with 18 AAC 78.276(f) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

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, Deb Caillouet at (907) 269-0298.

Sincerely,



Deb Caillouet
Environmental Program Specialist