

STATE OF ALASKA

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

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File: # 330.38.077

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June 10, 2008

Jan Shifflet
Alyeska Pipeline Service Company
Mail Stop 507
PO Box 196660
Anchorage, AK 99519-6660

Re: Alyeska Pump Station 10 Fuel Island
Record of Decision

Dear Mr. Shifflet:

The Alaska Department of Environmental Conservation (ADEC), Contaminated Sites Program, reviewed the environmental records associated with site Alyeska Pump Station 10 Fuel Island. This site had been contaminated by the release of a hazardous substance; however, based on the information provided to date, ADEC has determined that no further remedial action is required, and that Alyeska Pump Station 10 Fuel Island can be closed subject to the conditions outlined in this document. The hazardous substance contamination has been adequately addressed and does not pose an unacceptable risk to human health or the environment.

This decision is based on the administrative record for this site which is located in the offices of the 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 ADEC determination.

Introduction

Site Name and Location

Alyeska Pump Station 10 Fuel Island
Mile 218 Richardson Hwy.

Name and Mailing Address of Contact Party:

Jan Shifflet
Alyeska Pipeline Service Company
Mail Stop 507
PO Box 196660
Anchorage, AK 99519-6660

Database Record Key and CS file number:

ADEC Reckey # 1996720127502

CS file # 330.38.077

Regulatory authority under which the site is being cleaned up:

18 AAC 75

Background

In October 1996, approximately nine square feet of stained soil was discovered near the Alyeska Pump Station 10 Fuel Island. The stained area corresponded to a five gallon spill from the 2-inch diesel fuel supply line at the southeast side of the fuel island.

Site Characterization

In 1998, four hand auger borings were advanced in the fuel island area. Concentrations up to 520 mg/kg gasoline range organics (GRO) and 2,100 mg/kg diesel range organics (DRO) were found directly adjacent to the diesel pump. Benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations were below Method Two cleanup levels.

Also in 1998, two hollow-stem auger borings were advanced and one developed into a monitoring well. Soil sample results from these borings were non-detect for GRO, DRO and BTEX. A single water sample was collected from the monitoring well and contained nondetectable concentrations of GRO, BTEX and polynuclear aromatic hydrocarbons (PAHs).

Chemicals of Concern

The contaminants of concern identified at this site are:

- Benzene, Toluene, Ethylbenzene and Xylenes (BTEX)
- Gasoline Range Organics (GRO)
- Diesel Range Organics (DRO)

Cleanup Levels

The applicable soil cleanup levels for this site are established in 18 AAC 75.341 Tables B1 and B2, Under 40 inch Zone, Migration to Groundwater.

<u>Contaminant</u>	<u>Site Cleanup Level (mg/kg)</u>
GRO	300
DRO	250
Benzene	0.02
Toluene	5.4
Ethylbenzene	5.5
Total Xylenes	78

The applicable groundwater cleanup levels for this site are established in 18 AAC 75.345 Table C.

<u>Contaminant</u>	<u>Site Cleanup Level (mg/L)</u>
GRO	1.3
Benzene	0.005
Toluene	1.0
Ethylbenzene	0.7
Total Xylenes	10.0

Exposure Pathways Identified

The exposure pathways for human health that were evaluated include the following: inhalation and ingestion of soil and dermal contact with soil; and migration to groundwater.

The inhalation, ingestion, and dermal contact pathways may be complete, but the exposure risk is considered acceptable because remaining soil concentrations do not exceed ingestion or inhalation levels in 18 AAC 75.341 Table B2. Furthermore, contamination is limited in extent and the facility was placed in “standby” status in 1996.

The migration to groundwater pathway is not considered complete because a sample from a monitoring well placed about 10 feet from the source area resulted in non-detectable concentrations of GRO, BTEX and PAHs. Furthermore, the drinking water well at Pump Station 10, located approximately 200 feet from the fuel island, is currently not in use.

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 one of the following: De Minimus Exposure, Exposure Controlled, or Pathway Incomplete.

ADEC Decision

Based on the information provided to date, it has been determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment and no further remedial action is required at Pump Station 10 Fuel Island.

This determination is subject to the following conditions:

1. A Notice of Residual Contamination will be recorded on the ADEC database to document residual contamination remaining on site above the most stringent ADEC cleanup levels. This will serve as notification to future owners/operators of the property of the environmental status of the site and any conditions that apply to future management of contamination.
2. ADEC approval is required prior to off site transport of soil or groundwater in accordance with 18 AAC 75.370 (b).
3. Groundwater wells shall not be installed on this property without prior approval from ADEC.

4. Soil containing residual contamination may not be placed in surface water or other environmentally sensitive areas.

This determination is also subject to 18 AAC 75.380 (d) whereby additional investigation and cleanup may be required if new information is discovered that indicates the cleanup described in this decision is not protective of human health or the environment.

Site closure (without conditions) will be considered when sampling confirms that soil and groundwater meet the 18 AAC 75 cleanup levels established for this site.

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 ADEC Project Manager Keather McLoone at (907) 269-7526.

Sincerely,



Linda Nuechterlein
Environmental Manager

Cc: Scott Rose, SLR
Gary Schultz, ADNR Fairbanks

Alyeska Pipeline Services Company agrees to the terms of this conditional closure as discussed above.

Jan Shifflet
Response and Remediation SME, Alyeska Pipeline Services Company