

STATE OF ALASKA

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

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File: 2265.26.020

Return Receipt Requested

Article No: 7010 2780 0000 2178 4681

June 8, 2011

Mr. Scott Nichols
Facilities Manager
Alaska Department of Corrections
550 West 7th Ave. Suite 601
Anchorage, AK 99501

Re: Decision Document; Point Mackenzie Rehabilitation Center
Corrective Action Complete Determination

Dear Mr. Nichols:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the Point Mackenzie Rehabilitation Center, located at 13690 South Guernsey Road near Wasilla, Alaska. 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 this site will be closed.

This decision is based on the Point Mackenzie Rehabilitation Center administrative record 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 Corrective Action Complete Determination.

Introduction

Site Name and Location

Point Mackenzie Rehabilitation Center
13690 South Guernsey Road
Wasilla, Alaska

Name and Mailing Address of Contact Party:

Mr. Scott Nichols - Facilities Manager
Alaska Department of Corrections
550 West 7th Ave. Suite 601
Anchorage, AK 99501

ADEC Site Identifiers:

Hazard ID #23093

Facility ID# 3198

CS file # 2265.26.020

Regulatory authority under which the site is being cleaned up:

18 AAC 75 and 18 AAC 78

Background

Hydrocarbon contamination was noted in 1999 during the removal of a 1,000-gallon diesel underground storage tank (UST) and a 500-gallon gasoline UST formerly used to fuel vehicles at the Rehabilitation Center.

Contaminants of Concern

During the various investigations at this site, soil samples were analyzed for diesel range organics (DRO), gasoline range organics (GRO), benzene, toluene, ethylbenzene, and xylenes (BTEX). Based on the results of these investigations, the following contaminant of concern was identified:

- DRO

Cleanup Levels

The default soil cleanup levels for this site are established in 18 AAC 75.341, Method Two, Table B2, Under 40 Inch Zone, Migration to Groundwater.

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

Site Characterization and Cleanup

The two USTs at this site were removed from a common excavation in 1999. Confirmation soil samples collected from the bottom and sides of the excavation contained DRO up to 950 mg/kg in a sample collected 9 feet below ground surface (bgs).

A test pit was excavated to a depth of 14 feet bgs in an effort to locate groundwater, which was not encountered in the test pit or the excavation. Groundwater in this area is reportedly found at approximately 200 feet bgs.

Pathway Evaluation

Following investigation and cleanup at the site, exposure to the remaining contaminants were 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, Exposure Controlled, or Pathway Incomplete. A summary of this pathway evaluation is included in Table 1

Table 1 – Exposure Pathway Evaluation

Pathway	Result	Explanation
Direct Contact with Surface Soil	Pathway Incomplete	Contaminated soil has been removed from the surface.
Direct Contact with Sub-Surface Soil	De Minimis Exposure	The remaining contaminated soil is below direct contact levels and is covered by clean fill.
Inhalation-Outdoor Air	De Minimis Exposure	Remaining contamination is below inhalation cleanup levels and covered by clean fill, which will mitigate exposure via this pathway.
Inhalation-Indoor Air	Pathway Incomplete	Occupied buildings are not located near the site. Further, remaining contamination is below inhalation cleanup levels; non-volatile, and covered by clean fill which will mitigate future exposure via this pathway.
Groundwater Ingestion	Pathway Incomplete	Groundwater was not encountered in the excavation and is reportedly found at 200 feet bgs in this area.
Surface Water Ingestion	Pathway Incomplete	Surface water in the area is not used for drinking water purposes.
Wild Foods Ingestion	Pathway Incomplete	Wild foods are not collected in this area.
Exposure to Ecological Receptors	Pathway Incomplete	There are no complete exposure pathways to ecological receptors at the site

Notes to Table 1: “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. “Exposure controlled” means there is an administrative mechanism in place limiting land or groundwater use, or a physical barrier in place that deters contact with residual contamination.

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 75.325(i). 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 75.380(d) 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.

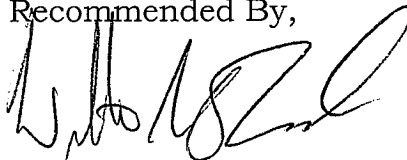
If you have questions about this closure decision, please contact ADEC Project Manager William O'Connell at (907) 269-3057.

Approved By,



Linda Nuechterlein
Environmental Manager

Recommended By,



William O'Connell
Environmental Program Specialist