



THE STATE
of **ALASKA**
GOVERNOR SEAN PARNELL

Department of
Environmental Conservation

DIVISION OF SPILL PREVENTION & RESPONSE
Contaminated Sites Program

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File No. 2333.38.052

December 18, 2012

Ms. Summer Sauve
UAA Facilities Planning and Construction
3890 University Lake Drive, Suite 110
Anchorage, AK 99508

Re: Decision Document; University of Alaska (UA) Kenai Peninsula College Career Center
Cleanup Complete Determination

Dear Ms. Sauve:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the UA Kenai Peninsula College Career Center which is located at 162 College Road in Soldotna, 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 UA Kenai Peninsula College Career 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 Cleanup Complete determination.

Introduction

Site Name and Location

UA Kenai Peninsula College Career Center
162 College Road
Soldotna, AK

Name and Mailing Address of Contact Party:

Ms. Summer Sauve
UAA Facilities Planning and Construction
3890 University Lake Drive, Suite 110
Anchorage, AK 99508

ADEC Site Identifiers:

Hazard ID #25958

CS file # 2333.38.052

Regulatory authority under which the site is being cleaned up:

18 AAC 75

Background

Petroleum hydrocarbon contamination was encountered beneath a former parking lot during site preparation activities for the new Career Center at Kenai Peninsula College. The source of the contamination is unknown, but it is suspected that the contaminated material was intentionally placed beneath the parking lot during its construction. Groundwater was not encountered at any time during the investigation and cleanup.

Contaminants of Concern

During the investigation and cleanup at this site, soil samples were analyzed for diesel range organics (DRO), residual range organics (RRO), gasoline range organics (GRO), volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX), metals, and polychlorinated biphenyls (PCBs). 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 (MTG).

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

Site Characterization and Cleanup

The excavation of contaminated soil began immediately after it was encountered at the site. Contaminated soil was located in a distinct layer from 0-3 feet below ground surface which facilitated its removal. Approximately 360 cubic yards of soil were removed guided by field screening, visual and olfactory observations. Confirmation samples collected following excavation indicated DRO contamination in soil was still present in one area with DRO being detected at 2,110 mg/kg in sidewall sample ESW-19.

To delineate the remaining contamination, ten test pits were excavated and field screening was conducted. An additional 130 cubic yards of soil was removed from the area near sample ESW-19. Confirmation samples did not contain contaminants above cleanup levels, except for one sidewall sample with DRO at 371 mg/kg.

The 490 cubic yards of contaminated soil were transported to an adjacent site and landspread to a depth of approximately 6 inches. The material will be used as base material for a parking lot to be constructed in 2013.

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, 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	De Minimis Exposure	Contaminated soil has been removed from the surface
Direct Contact with Sub-Surface Soil	De Minimis Exposure	The remaining contaminated soil is below the direct contact cleanup level and is de minimis in volume
Inhalation-Outdoor Air	De Minimis Exposure	The remaining contamination is below inhalation cleanup levels and de minimis in volume
Inhalation-Indoor Air	Pathway Incomplete	Volatile compounds are not present in soil at the site.
Groundwater Ingestion	Pathway Incomplete	Groundwater is not utilized as a drinking water source in this area.
Surface Water Ingestion	Pathway Incomplete	Surface water is not utilized as a drinking water source in this area
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

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.

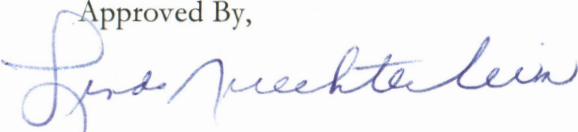
This determination is in accordance with 18 AAC 75.380(d) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

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.

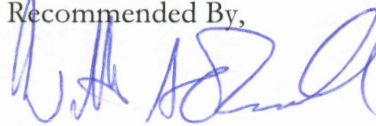
If you have questions about this closure decision, please contact ADEC Project Manager William O'Connell at (907) 269-3057.

Approved By,



Linda Nuechterlein
Environmental Manager

Recommended By,



William O'Connell
Environmental Program Specialist