

STATE OF ALASKA

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

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File: 2100.38.468

Return Receipt Requested

Article No: 70102780000021784674

June 7, 2011

Dave Grubbs, Project Manager
Municipality of Anchorage
Maintenance and Operations
3640 East Tudor Road Warehouse #1
Anchorage, Alaska 99507-1252

Re: Decision Document; Z. J. Loussac Public Library
Cleanup Complete Determination

Dear Mr. Grubbs:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the Z. J. Loussac Public Library located at 3600 Denali Street, in Anchorage, 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 Z. J. Loussac Public Library 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:
Z. J. Loussac Public Library
3600 Denali Street
Anchorage, Alaska 99503

Name and Mailing Address of Contact Party:

Dave Grubbs, Project Manager
Municipality of Anchorage
Maintenance and Operations
3640 East Tudor Road Warehouse #1
Anchorage, Alaska 99507-1252

Database Record Key and File Number:

ADEC Reckey: 2006210109301
File: 2100.38.468
Hazard ID: 4241

Regulatory authority under which the site is being cleaned up:

18 AAC 75

Background

Petroleum impacted soil from an unknown source was encountered at six feet below ground surface (bgs) during utility upgrade work in April 2006.

Characterization and Cleanup Activities

In an effort to delineate the nature and extent of petroleum contamination, four soil borings were advanced and completed as groundwater monitoring wells in May 2006. Soil samples collected from each of the four boreholes did not contain detectable concentrations of contaminants.

Following the excavation of contaminated soil in October 2006, four samples were taken from the sidewalls of the excavation. Groundwater prevented the collection of soil samples from the bottom of the excavation, which extended to twelve feet below ground surface (bgs). DRO was detected up to 373 mg/kg along the north end of the west wall of the excavation. Approximately 140 cubic yards of impacted soil from the excavation were disposed of at Anchorage Regional Landfill.

Groundwater samples were collected from the four newly installed monitoring wells to evaluate the potential migration of contaminants to groundwater. Contaminants were not detected in any of the groundwater samples. In October 2006 MW-2 was decommissioned due to its proximity to the excavation.

Contaminants of Concern

During the investigations at this site, soil and groundwater samples were analyzed for one or more of the following: gasoline range organics (GRO); diesel range organics (DRO); residual range organics (RRO); benzene, toluene, ethylbenzene, and xylenes (BTEX). Based on these analyses and knowledge of the source area, DRO was identified as a contaminant of concern.

Cleanup Levels

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

Contaminant	MTG Cleanup Level (mg/kg)
DRO	250

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
Surface Soil Contact	Pathway Incomplete	Contaminated soil is not located at the surface
Sub-Surface Soil Contact	De-minimis exposure	Contamination remains in the subsurface, but is below the health-based ingestion cleanup levels. It is de-minimis in volume and the risk is considered insignificant.
Inhalation - Outdoor Air	De-minimis exposure	Contamination remains in the subsurface but is below inhalation cleanup levels and is covered with clean fill; therefore risk via this pathway is considered insignificant.
Inhalation - Indoor Air (vapor intrusion)	Pathway Incomplete	The remaining DRO contamination at this site is at least six feet bgs and covered by clean fill; therefore this pathway is incomplete.
Groundwater Ingestion	Pathway Incomplete	Groundwater samples indicate groundwater has not been impacted, therefore this pathway is considered incomplete.
Surface Water Ingestion	Pathway Incomplete	There is no surface water located within ¼ mile of the site; therefore this pathway is incomplete.
Wild Foods Ingestion	Pathway Incomplete	This site is in a highly developed urban center and wild foods are not collected in this area; therefore this pathway is incomplete.

Exposure to Ecological Receptors	Pathway Incomplete	There are no complete exposure pathways to ecological receptors at the site.
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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.

It is understood that the three groundwater monitoring wells that remain at the site will be decommissioned by November 30, 2011.

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 the ADEC project manager, William O'Connell at 907-269-3057

Approved By,



Linda Nuechterlein
Environmental Manager

Recommended By,



William O'Connell
Environmental Program Specialist