

STATE OF ALASKA

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

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File: 2208.38.001

February 12, 2009

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

Re: Record of Decision – FAA Cape Yakataga Landfill Number 1,
Cleanup Complete Determination

Dear Mr. Berglund:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the Cape Yakataga Debris Removal Phase III Report. Based on the information in the report 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 information on file at the ADEC. 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 Cape Yakataga Landfill #1

On the east bank of the Duktotoh River at approximately 60° 05' 14" North Latitude and 142° 30' 08" East Longitude, 0.75 miles northwest of the runway.

Name and Mailing Address of Contact Party:

Lance Raymore
Federal Aviation Administration
Alaskan Region Technical Operations
222 W. 7th Avenue, #14
Anchorage, AK 99513

Hazard ID and File Number:

File: # 2208.38.001

Hazard ID: 25314

Regulatory authority under which the site is being cleaned up:
18 AAC 75

Background

The landfill was first identified in an Environmental Compliance Investigation performed in 1992. At the time of the investigation the landfill was estimated to have been inactive for 10-15 years based on the size of the trees. There are no records of what was disposed into the landfill. A corrective action plan was developed in 1998 but not implemented.

Cleanup Actions

The cleanup began in 2007 with the objective of removing the debris in the landfill, characterizing the soil and disposing the debris and contaminated soil off-site. During this action it was determined that dioxins were prevalent throughout the landfill and that the contents would need to be completely removed. A second phase removal was completed in 2007 and a third removal phase in 2008. The contents of the landfill were shipped off-site for proper disposal and the landfill was backfilled and vegetated.

Contaminants of Concern

- Dioxins
- Diesel Range Organics
- Residual Range Organics
- Polychlorinated Biphenyls
- Lead
- Trichloroethylene

Cleanup Levels

18 AAC 75.341, Tables B1 and B2, over 40" zone
Dioxins: Total Toxic Equivalency 0.000039 mg/kg
Diesel Range Organics (DRO): 230 mg/kg
Residual Range Organics: 8300 mg/kg
Polychlorinated Biphenyls (PCB): 1 mg/kg
Lead: 400 mg/kg
Trichloroethylene (TCE): 0.02 mg/kg

Pathway Evaluation

The exposure pathways for human health that were evaluated include the following: ingestion of soil and groundwater, indoor and outdoor inhalation of vapors, direct contact with soil and ingestion of wild foods. These pathways may be complete but the remaining contaminant concentrations do not pose a significant risk to human health and the environment.

The confirmation sampling at the bottom of the landfill excavation showed three contaminants of concern present in isolated areas above the cleanup criteria. A 95% Upper Control Limit was calculated as the exposure point concentration (EPC) as allowed by 18 AAC 75.380(c)(1) for dioxin 0.000046 mg/kg, DRO 48.84 mg/kg, PCB 0.290 mg/kg. There were insufficient detections of TCE to allow for a statistical evaluation.

The EPCs for DRO and PCB are below the cleanup levels. The detections for TCE are above the migration to groundwater cleanup levels but below the direct contact and ingestion levels.

Groundwater sampling at the site did not detect TCE in the groundwater supporting the conclusion that it is not migrating.

The risk from the EPC of 0.000046 mg/kg for dioxin was calculated to be 1.18×10^{-5} . This is within the alternative risk range of 10^{-4} to 10^{-6} that is consistent with 40 CFR 300.430 as allowed by 18 AAC 75.325.

ADEC Decision

The cleanup actions to date have served to excavate and adequately remove the solid waste and vast majority of the contaminated soil from the site. Because the landfill had been eroding, the wastes in it posed an unacceptable risk to human health and the environment. Based on the information available, ADEC has determined the site no longer poses an unacceptable risk, therefore, no further assessment or cleanup action is required. This site will be designated as "Cleanup Complete" on the Department's contaminated sites 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)). However, because of the low contaminant concentrations remaining, this letter will serve as your approval for future off-site movement and disposal of soil associated with this site. 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.

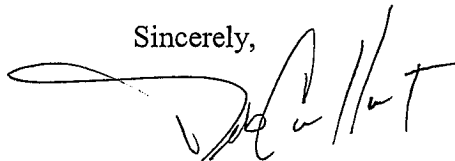
This determination is in accordance with 18 AAC 75.380(d) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

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.

DEC appreciates FAA's significant efforts to clean up this site and prevent the wastes from eroding into the surrounding environment. If you have questions about this closure decision, please contact me at 907-269-0298.

Sincerely,



Deb Caillouet

Environmental Program Specialist

cc : Lance Raymore-FAA

David Phillips – Chugach Alaska Corp