

STATE OF ALASKA

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

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File: 2334.38.003

Certified Return Receipt

Article No: 70081830000263494494

May 21, 2010

Mr. Hugh Chumley
Chumley's Urethane
P.O. Box 753
Sterling, AK 99672-0753

Re: Decision Document; Chumley's Urethane
Cleanup Complete Determination

Dear Mr. Chumley:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with Chumley's Urethane located at 35840 Sterling Hwy, Sterling, Alaska. Based on the information provided to date, 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 administrative record for Chumley's Urethane 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:

Chumley's Urethane
35840 Sterling Highway
Sterling, AK 99672-0753

Name and Mailing Address of Contact Party:

Mr. Hugh Chumley
Chumley's Urethane
P.O. Box 753
Sterling, AK 99672

Database Record Key and File Number:

ADEC Reckey: 1988230125104

File: 2334.38.003

Hazard ID: 453

Regulatory authority under which the site is being cleaned up:

18 AAC 75

Background

Chumley's Urethane had an unregulated underground diesel storage tank used for fueling vehicles that was replaced by an aboveground storage tank (AST) in the late 1980's. Soil contamination at the site is the result of spills and overfills from the two tanks.

Characterization and Cleanup Activities

Contaminated soils were excavated and temporarily stored at Mr. Chumley's Midway Road Pit, approximately three miles from Chumley's office/equipment yard on the Sterling Highway. The stockpile was moved to a storage cell constructed at the equipment yard near the site of the former underground diesel storage tank in 1991. Soil samples collected from the stockpiled soil contained Extractable Petroleum Hydrocarbons, roughly equivalent to Diesel Range Organics, at concentrations up to 789 mg/kg.

It was reported that the stockpile was treated at Bio-Fac, a soil treatment facility located in Nikiski. A site visit conducted on April 30, 2010 at Chumley's equipment yard confirmed that the stockpile was no longer present.

Contaminants of Concern

During the investigations at this site, soil samples were analyzed for Extractable Petroleum Hydrocarbons (EPH) which is roughly equivalent to Diesel Range Organics (DRO). Based on these analyses and knowledge of the source area, the following Contaminant of Concern was identified:

- Diesel Range Organics (DRO)

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.

<u>Contaminant</u>	<u>Site Cleanup Level (mg/kg)</u>
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	De Minimis	Contaminated surface soil was excavated and treated.
Sub-Surface Soil Contact	De Minimis	Contaminated sub-surface soil was excavated and treated, and remaining DRO levels are considered De minimis.
Inhalation – Outdoor Air	De Minimis	Remaining contamination is below inhalation cleanup levels, and contaminate (DRO) is not considered volatile.
Inhalation – Indoor Air (vapor intrusion)	De Minimis	Remaining contamination is below Inhalation cleanup levels; contaminate (DRO) is not considered volatile; and clean fill was placed in the excavation which will serve to mitigate this pathway.
Groundwater Ingestion	Pathway Incomplete	Groundwater was not encountered during the investigations and the potential source area was excavated and treated.
Surface Water Ingestion	Pathway Incomplete	There is no surface water located within ¼ mile of the site.
Wild Foods Ingestion	Pathway Incomplete	Wild foods are not collected in this area.
Exposure to Ecological Receptors	Pathway Incomplete	Contaminated soil was excavated and treated.

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.

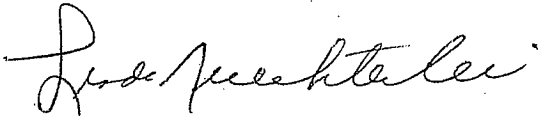
This determination is in accordance with 18 AAC 75.380(d)) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

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.

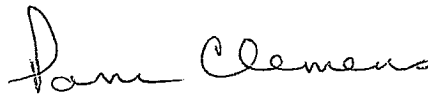
If you have questions about this closure decision, please contact the ADEC project manager, Pam Clemens at (907) 269-7551.

Approved By,



Linda Nuechterlein
Environmental Manager

Recommended By



Pam Clemens
Environmental Program Specialist

Attachment A: Site Figure

Attachment A: Site Figure