

STATE OF ALASKA

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

SEAN PARNELL, GOVERNOR

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File: 740.38.002

April 12, 2010

Pat Roth
USAF 611 CES/CEVR
10471 20th St Ste 302
Elmendorf AFB AK 99506-2200

Re: Site SD03, Ft Yukon Long-Range Radar Site, Alaska, Cleanup Complete Determination

Dear Mr. Roth:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the Site SD03, Ft Yukon Long-Range Radar Site. 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 records for SD03, which are located in the offices of the Alaska Department of Environmental Conservation (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:

Fort Yukon LRRS -Power Plant (SD03)
Fort Yukon Alaska 99740

Name and Mailing Address of Contact Party:

Pat Roth
USAF 611 CES/CEVR
10471 20th St Ste 302
Elmendorf AFB AK 99506-2200

Database Record Key and File Number:

ADEC Reckey: 198931X102527

File: 740.38.002

Hazard ID: 741

Regulatory authority under which the site is being cleaned up:

18 AAC 75

Background

Site SD03 is located immediately north of the existing Fort Yukon Long Range Radar Site (LRRS) at 66.34°N latitude and -141.5°E longitude. Diesel Range Organics (DRO) as high as 23,000 mg/Kg were detected at the site in July 2000 with the highest concentrations located between 4 and 9 feet below ground surface. The total area of impacted soil is approximately one acre.

Record of Decision

The U.S. Air Force and ADEC signed a Record of Decision in 2000 that selected the remedy of bioventing and a cleanup level of 8,333 mg/kg DRO.

Remedial Action

The bioventing system was installed in 2000 remediate soils containing greater than 5000 mg/Kg DRO. The Air Force performed annual system checks and respiration testing in 2001, 2002, 2004, and 2005.

Samples were collected and analyzed in 2006 DRO remaining at the site was calculated to be 6733 mg/Kg at the 95% Upper Confidence Level.

A cleanup level of 5 µg/L for benzene in groundwater was also agreed upon in the Decision Document. Groundwater has not been detected at the site since 2000 and when sampled in 2000 benzene was not detected.

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 Incomplete.

ADEC Decision

The cleanup actions to date have served to remediate the contaminated soil. Groundwater monitoring has shown no exceedances and the monitoring wells have been properly decommissioned. 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 Compete Determination has been granted, ADEC approval is required for off-site soil disposal in accordance with 18 AAC 75.325(i). This determination is in accordance with 18 AAC 75.380 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, Deb Caillouet at (907) 269-0298.

Sincerely,



Deb Caillouet
Environmental Program Specialist