

STATE OF ALASKA

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SPILL PREVENTION AND RESPONSE CONTAMINATED SITES PROGRAM

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File: 465.38.001

June 21, 2012

Keith Barnack
611th CES/CEV
10471 20th Street, Suite 302
Elmendorf AFB, AK 99506-2200

Re: Cleanup Complete Determination for Cape Lisburne Long Range Radar Station (LRRS) Spill/Leak No. 2 (ST005)

Dear Mr. Barnack:

I am pleased to inform you that the Cape Lisburne LRRS Spill/Leak No. 2 (ST005) site, DEC file number 465.38.001, referred to in Air Force documents as the Cape Lisburne Long Range Radar Station Spill/Leak No. 2, has been closed on the DEC database with a "cleanup complete" designation.

The Alaska Department of Environmental Conservation, Contaminated Sites Program (DEC) has completed a review of the environmental records associated with the Cape Lisburne LRRS Spill/Leak No. 2 site located at Cape Lisburne Long Range Radar Station lower camp area. Based on the information provided to date, DEC has determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment, and this site has been closed.

Site Characterization

This site is the location of a 1982 fuel spill that occurred on the runway apron following rupture of a fuel bladder. Sampling was performed at this site during a remedial investigation in 2003. Soil samples were analyzed for gasoline, diesel, and residual range organics; benzene, toluene, ethylbenzene, xylenes (BTEX); volatile organic compounds; metals; and polynuclear aromatic hydrocarbons. Results were reported in the *Remedial Investigation Report for Sites ST004 and ST005, Cape Lisburne Long Range Radar Station, Alaska* (July, 2004). The primary exposure pathways at this site are direct contact with soil and outdoor inhalation.

Contaminants of Concern and Cleanup Levels

Contaminants of concern identified at this site are diesel range organics (DRO) and benzene.

The applicable cleanup levels at this site are the Method 2 Arctic Zone cleanup levels from 18 AAC 75.341, Tables B1 and B2. As shown in the table below, the maximum concentrations of DRO and benzene detected at this site are below the cleanup levels.

Contaminant of Concern	Cleanup Level (mg/kg)	Maximum Concentration (mg/kg)
DRO	12,500	503
Benzene	13	0.035

Cleanup Decision

The *Decision Document – Spill/Leak #2 (ST005), Cape Lisburne LRRS, Alaska* (May 2007) was signed by Colonel Joseph M. Skaya, USAF Commander, 611 Air Support Group on June 14, 2007, and by John Halverson, Environmental Program Manager, DEC, on June 28, 2007. An electronic copy in pdf format has been attached to the ADEC contaminated sites data base. The decision document summarizes past investigations and site risks, and presents the selected remedy for cleanup and basis for its selection. The decision document states that the selected remedy is “conditional closure.”

The DEC Contaminated Sites Program no longer has a “conditional closure” site closure category. In accordance with the language in 18 AAC 75.380, site closure is either “cleanup complete,” or “cleanup complete with institutional controls” when the remedy includes institutional controls to protect human health, safety, and welfare, or the environment.

Concentrations of contaminants in the soil are below the Method Two Arctic zone cleanup levels, and are protective of human health to residential standards. This site is underlain with permafrost and no active zone groundwater was found during the remedial investigation; thus there is minimal potential for off-site migration. Therefore DEC has determined that no institutional controls are required to protect human health or the environment and that cleanup is complete at this site.

The components of the remedy listed in the Decision Document are:

- Site boundaries will be surveyed to provide a description of the location where soil has a concentration above 230 mg/kg DRO above 230 mg/kg and benzene above 0.02 mg/kg;
- The Base Master Plan for Cape Lisburne LRRS will include a statement that ADEC approval is required prior to off-site transportation or disposal of Site ST004 soil containing DRO above 230 mg/kg;

- If the site is transferred, the statement that ADEC approval is required prior to off-site transportation or disposal of site ST004 soil containing DRO above 230 mg/kg will be included in the property transfer documents.

DEC has recently received site boundary survey documentation and documentation that the off-site transport or disposal requirement is listed in the Base Master Plan for Cape Lisburne LRRS. This documentation shows that the first two components of the remedy have been met. The third component applies to future actions and is not applicable at this time. DEC agrees that the components of the remedy as specified in the Decision Document have been met.

This cleanup complete 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. In accordance with 18 AAC 75.325(i), DEC approval is required for offsite disposal of soil from this site.

If you have any questions about this letter, please call me at (907) 451-2131, or contact me by e-mail at tamar.stephens@alaska.gov.

Sincerely,



Tamar J. Stephens
Environmental Program Specialist

cc: Alzred Steve Ommittuk, Mayor, City of Point Hope
President, Native Village of Point Hope
Rex Rock, Director, Tigara Corporation
Earl Kingik, Community Co-Chair, Point Hope RAB
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