

STATE OF ALASKA

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

SEAN PARNELL, GOVERNOR

610 University Avenue
Fairbanks, AK 99709-3643
PHONE: (907) 451-2131
FAX: (907) 451-5105
www.dec.state.ak.us

File: 465.38.001

September 29, 2011

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

Re: Cleanup Complete Determination for Cape Lisburne LRRS LC Transformer site (SS009).

Dear Mr. Barnack:

I am pleased to inform you that the Cape Lisburne LRRS LC Transformer site, DEC file number 465.38.001, referred to in Air Force documents as the Cape Lisburne Long Range Radar Station Lower Camp Transformer Buildings and Lower Camp Tramway Transformer Building site (SS009) 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 LC Transformer 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.

Cleanup Decision

In 2003, a Decision Document (May 2003) was signed by Jennifer Roberts, Section Manager, ADEC Contaminated Sites Remediation Program, and Major General L. Dean Fox, The Civil Engineer, Air Force DCS/Installations and Logistics. An electronic copy in pdf format has been attached to the ADEC contaminated sites data base. The Decision Document summarizes past investigations, site risks, an interim removal action, and presents the selected alternative for cleanup and basis for its selection. The Decision Document lists the following components for the selected remedy:

- Excavating and removing the PCB contaminated soil that is above the approved cleanup level of 1 mg/kg;
- Collecting soil samples from the bottom and sides of the excavations to verify the cleanup level was attained;
- Backfilling the excavations with clean fill and grading the areas as needed to minimize surface water ponding and erosion; and

- Shipping the contaminated soil with PCB concentrations greater than 1 mg/kg to a treatment, storage, and disposal facility (TSD) in the Lower 48 for disposal.

Cleanup Activities

The *Final Report – LF001 and SS009 Remedial Action, Cape Lisburne Long Range Radar Station, Alaska* (July, 2011) documents that all of the components of the Decision Document have been met.


The contaminant of concern at this site is polychlorinated biphenyls (PCBs) in surface and subsurface soil. Cleanup activities were conducted in 1996, 2004, and 2010.

- In 1996, approximately 40 cubic yards of PCB-contaminated soil were removed from the vicinity of the two Transformer Buildings during an interim removal action and stockpiled at the LF001 site.
- During 2004, cleanup was conducted at this site under the Clean Sweep program. Approximately 45 cubic yards of PCB-contaminated soil were removed from the Tramway Transformer Building area, and another 51 cubic yards were removed from the vicinity of the two Transformer Buildings. The soil was transported to a permitted TSD in the lower 48. The site was found to have considerably larger quantities of contaminated soil than anticipated, and cleanup was not completed at that time. Also, during 2004, seven soil stockpiles located at the LF001 site, including the soil excavated from SS009 in 1996, were transported to a permitted TSD in the lower 48.
- Additional characterization samples were collected in 2008 to determine the extent of soil that remained to be cleaned up.
- In 2010, final cleanup of this site was completed. During the summer of 2010, a total of 118 cubic yards of PCB contaminated soil was excavated and disposed off site at Arlington, Oregon. All confirmation sample results were below the cleanup level of 1 mg/kg for PCBs. The excavated areas were backfilled with clean gravel and graded.

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.

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: Mayor, City of Point Hope
Mr. Rex Tuzroyluk, Jr., President, Native Village of Point Hope
Mr. Rex Rock, Director, Tigara Corporation
Mr. Earl Kingik, Community Co-Chair, Point Hope RAB
Mr. Thomas Brower, III, Community Co-Chair, Barrow RAB
Ray Koonuk, Sr., EPA Manager, Point Hope
Mr. Bill Tracey, Sr., Point Lay RAB
Mr. Leo Ferreira, III, President, Native Village of Point Lay