



## Brice Environmental

### **Demolition, Debris Removal, CERCLA Cleanup, Landfill Construction (LF001 & LF002)**

**Location:** Oliktok Long Range Radar Station, North Slope, Alaska

**Client:** Air Force Center for Environmental Excellence

**Project Cost:** \$5M

**Prime Contractor or Subcontractor:**  
Subcontractor to BEM Systems

**Project Manager:** Craig Jones

**Superintendent:** Randy Hattenburg

**Work Performed:** 2006 – 2008 (100% Complete)

**Oct.-Nov. 2006:** Demolition of structures, PCB paint, transformers, and Asbestos Abatement, Debris Disposal

**Mar.-April (2007):** Recovery of offshore debris from under the ice and disposal

**May-June (2007):** CERCLA Action – Snow removal, survey and establishment of boundaries, excavation of two contaminated shoreline landfills, removal and staging of TSCA and RCRA regulated materials in onsite hangar for disposition, magnetic separation of buried metal from soil for recycling, post excavation sampling.

**Oct (2007):** Time Critical Removal Action - Construction of a new landfill and relocation of 6,500 CY of contaminated soils to landfill.

**May (2008):** Completion of new landfill and closure, capping, site restoration (seeding)

**October (2008):** Installation of monitoring wells & thermistors in new landfill. Project completed.





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**Waste Streams Involved on the Contract:** Onsite waste management - Identification, characterization, abatement and disposal of regulated and hazardous building materials (surface cleanup of PCB paint, asbestos removal, and removal of lighting fixtures containing PCBs). Sampling and characterization of landfill soils contaminated with PCBs and POL including packaging, labeling, inventorying and compliance with Alaska Department of Environmental Conservation contaminated sites requirements. Removal of TSCA and RCRA regulated items from landfill soils (PCB light ballasts and other electronic components containing PCBs, batteries, and asbestos). Recovery, characterization, staging, labeling, inventory control of fluids found buried in drums, disposition.

Waste streams involved on the project included non-regulated solids and liquids, PCBs, metals (D006), solvents (D039, F002), and other types of RCRA, TSCA, and CERCLA-derived wastes.

Obtained approvals for disposal of bulk non-hazardous waste including scrap metal and general debris removed from the landfill. Water treatment system install and operation for contaminated water containing diesel.

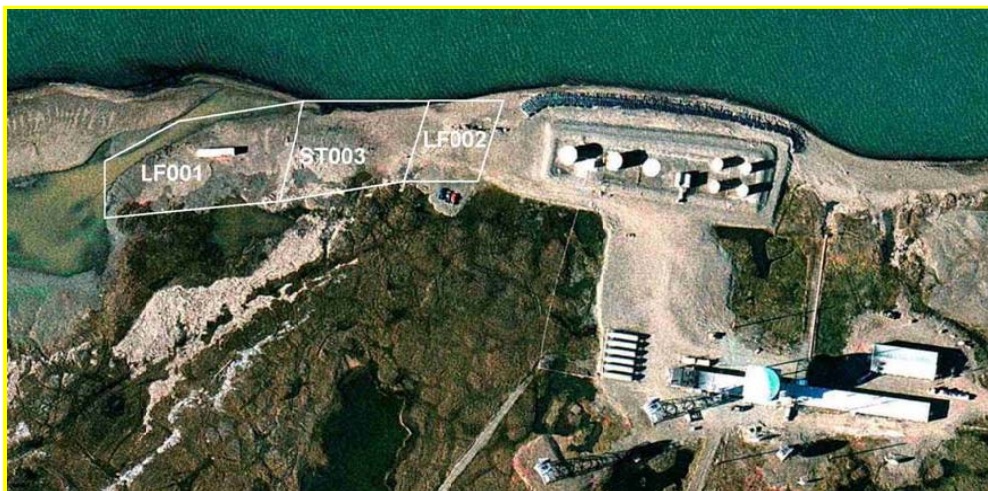




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Types and quantities of wastes recovered from LF001 and LF002 included the following:

- 125 tons of miscellaneous metal (verified as non-detect for PCBs – LF001 & LF002)
- 75 tons of miscellaneous trash (verified as non-detect for PCBs – LF001 & LF002)
- 20 ea. ACM supersacks of asbestos (LF002)
- 41 ea. ACM bags of asbestos (LF001)
- 1 ea. pallet containing batteries (LF001 & LF002)
- 1 ea. 55-gal drum containing batteries (LF001 & LF002)
- 2 ea. 55-gal drums containing PCB capacitors and small transformers (LF001 & LF002)
- 6 ea. 55-gal drums containing recovered waste oil and 1 DM85 (LF001 & LF002)
- 15 ea. 85-gal overpack drums containing oil and drums with oil (LF001 & LF002)
- 12 ea. supersacks of oily soil from around drums (LF001)
- 6,500 CY of POL/PCB soil (LF001 and LF002). This material was placed into a new landfill constructed by Brice.



LF001 was a former dump that was eroding into the sea.

LF002 was smaller, and believed to be just buried inert construction debris. A burn pit with PCB contamination was found underneath the debris as well as asbestos.