

# STATE OF ALASKA

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

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File: 1507.38.005

January 13, 2012

Bill Heubner  
National Park Service, Alaska Region  
Department of the Interior  
240 W. 5<sup>th</sup> Avenue, Room 114  
Anchorage, AK 99501

Re: ADEC Evaluations and Determinations for Quarters Site GBQ-3, Glacier Bay  
National Park and Preserve

Dear Mr. Heubner:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with Quarters Site GBQ-3 at Glacier Bay National Park and Preserve. This site is currently classified as *Cleanup Complete – Institutional Controls* based on an ADEC determination in a letter dated March 1, 2004. Based on the information provided to date, ADEC has determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment, and the site status will be changed to *Cleanup Complete*.

This decision is based on the administrative record for GBQ-3, which is located in the offices of ADEC in Fairbanks, 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:

NPS Glacier Bay – Bartlett Cove (GBQ-3 Residence)  
Glacier Bay National Park  
Gustavus, AK 99826

#### Name and Mailing Address of Contact Party:

Bill Heubner  
National Park Service, Alaska Region  
Department of the Interior  
240 W. 5<sup>th</sup> Avenue, Room 114  
Anchorage, AK 99501

Database Record Key and File Number:

ADEC Reckey: 1998110129701  
File: 1507.38.005  
Hazard ID: 2980

Regulatory authority under which the site is being cleaned up:  
18 Alaska Administrative Code 75

**Background**

Petroleum impacted soil was encountered during the removal of a 1,000 gallon underground storage tank (UST) in 1998. Soil and groundwater samples collected at this site have been tested for: diesel range organics (DRO); gasoline range organics (GRO); and benzene, toluene, ethylbenzene, and xylenes (BTEX). The site received a conditional closure in December 2005 based on the limited extent of remaining soil and groundwater contamination. Sampling events in June 2010 and June 2011 indicate that groundwater has attenuated to contaminant concentrations below ADEC cleanup levels.

**Contaminants of Concern and Cleanup Levels**

During investigations at this site, soil samples were analyzed for GRO, DRO, and BTEX. Based on these analyses and knowledge of the source area, one Contaminant of Concern was identified. The default groundwater cleanup levels for this site are established in 18 AAC 75.345 Table C Groundwater Cleanup Levels.

| <u>Contaminant</u>      | <u>Site Cleanup Level (mg/L)</u> |
|-------------------------|----------------------------------|
| • Diesel Range Organics | 1.5                              |

**Characterization and Cleanup Activities**

The facility is located on coastal land approximately 10 miles northwest of Gustavus, Alaska. In 1998, a 1,000 gallon underground storage tank was removed from this site. Petroleum contamination was present in soil at this site above DEC Method 2 over 40 inch zone migration to groundwater cleanup levels. In 2000, soil was excavated to a depth of 25 feet below ground surface. Soil at the limits of excavation contained DRO at a concentration of 2,080 milligrams per kilogram (mg/kg). Three monitoring wells were installed at the site to measure potential groundwater contamination. Sampling events in 2004 documented free phase hydrocarbons in monitoring well 3. Sampling in 2006 documented the presence of GRO, DRO, and BTEX in groundwater at reduced concentrations. Sampling events at this and nearby investigations indicate that groundwater contaminant concentrations generally reach an annual peak during summer.

Groundwater sampling on June 28, 2010 did not detect DRO in groundwater at concentrations above the method reporting limit. Groundwater sampling on June 30, 2011 detected DRO in groundwater at concentrations up to 1.02 mg/L, below ADEC cleanup levels.

**ADEC Decision**

The cleanup actions to date have served to excavate and adequately remove contaminated soil from the site. Contaminated groundwater has been appropriately monitored and has been shown to be below cleanup levels. 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 the designation of this site will be changed to *Cleanup Complete* on the Department's database. This letter modifies ADEC's *No Further Remedial Action* decision from a letter dated March 1, 2004.

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.

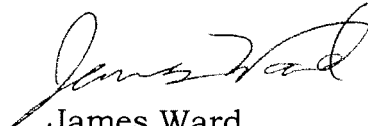
If you have any questions, please contact Melody Debenham at (907) 451-5175 or via email at [Melody.Debenham@alaska.gov](mailto:Melody.Debenham@alaska.gov).

Approved By



Fred Vreeman  
Environmental Program Manager

Recommended By



James Ward  
College Intern

CC: Melody Debenham, via e-mail