

STATE OF ALASKA

TONY KNOWLES, GOVERNOR

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

410 Willoughby Ave, Suite 303

Juneau, AK 99801

Phone: (907) 465-5210

Fax: (907) 465-5262

<http://www.state.ak.us/dec/home.htm>

File No. 1513.38.142

September 18, 2002

Greg Otto

Alaska Department of Transportation & Public Facilities

Southeast Maintenance & Operations

6860 Glacier Highway

Juneau, AK 99801

RE: Notice of No Further Action

Site Name: Fritz Cove Landslide Reckey No. 1998110127401

Site Location: 2530 Fritz Cove Road, Juneau, AK

United States Survey 2672, Lot 15, Parcel # 4B1801000180

DOTPF Project 67707

The Department of Environmental Conservation (DEC) Juneau Office has recently completed a review of the file associated with the Fritz Cove Landslide. Based on our review of the project file, and the information and analytical results provided by your consultant, DEC finds that the referenced property, the location of a heating oil spill from an aboveground storage tank (AST), does not pose a significant threat to human health or safety, or the environment. The Department has, therefore, determined that no further remedial action or sampling is required for this property.

Site Investigation

Site Characterization and Assessment was performed by consultant Smith Bayliss LeResche following a landslide that destroyed the residence and spilled fuel from a heating oil AST. Following the initial Site Assessment identifying the spill area around the tool shed and just uphill of the former location of the residence, the department approved a Site Characterization plan to excavate all petroleum contaminated soils from the site in accordance with the requirements under 18AAC 75.335. Approximately 225 cubic yards of impacted soil was removed from the site and temporarily stockpiled on property at the ADOTPF 7-Mile Facility in Juneau. Soils from the perimeter of the excavation were field screened for petroleum contamination and six closure soil samples were collected in accordance with the requirements under 18 AAC 75.355. Laboratory analysis of the closure soil samples included Diesel Range Organic hydrocarbons (DRO) and benzene, toluene, ethylbenzene, and xylene (BTEX) compounds. BTEX compounds were not detected in any of the excavation closure soil samples. DRO was detected in each of the soil samples from the excavation at concentrations well below applicable risk based cleanup levels. The department determination is that this petroleum release cleanup was performed in accordance with the requirements under 18 AAC 75.360.

Greg Otto

ADOTPF Southeast Regional Office

A bioremediation soil treatment cell plan for contaminated soils stored at the ADOTPF 7-Mile Facility was proposed and approved by the department in May, 1999. In June, 2002 the biocell soils were sampled and laboratory analyzed for DRO. The soil concentration results were below applicable cleanup levels and supported a request to the department for release of the soils. In August a final inspection of the biocell was performed and the soils were released for final placement in an environmentally non-sensitive location. The department determination is that the soils removed from the site were stored, transported and remediated in accordance with 18 AAC 75.370, and final reporting requirements under 18 AAC 75.380 are satisfied.

Cleanup Levels

DEC has determined that the migration to groundwater cleanup levels for soil, found in 18 AAC 75.341, Tables B1 and B2, are applicable to this site and are as follows for the over 40 inch precipitation zone. Table C values from 18 AAC 75.345 are applicable for groundwater and surface water cleanup levels, although neither were encountered in this site investigation and cleanup.

Soil

Table B2 for the Over 40 inch rainfall zone

<u>Compound</u>	<u>Cleanup Level</u>	<u>Controlling Pathway/Category</u>
GRO	260 mg/kg	Migration to groundwater
DRO	230 mg/kg	Migration to groundwater
RRO	8300 mg/kg	Migration to groundwater
Benzene	0.02 mg/kg	Migration to groundwater
Toluene	4.8 mg/kg	Migration to groundwater
Ethylbenzene	5.0 mg/kg	Migration to groundwater
Xylenes	69.0 mg/kg	Migration to groundwater

The DEC reserves the right to require additional site assessment, monitoring, remediation, and/or other necessary actions at the property located at 2530 Fritz Cove Road in Juneau, Alaska, should new information become available that suggests that contamination at this site may pose threat to human health or safety, or the environment. Please contact me with any questions or concerns at (907) 465-5210 or e-mail to Bruce_Wanstall@envircon.state.ak.us.

Sincerely,



Bruce Wanstall
Environmental Specialist
DEC Site Project Manager

cc: Brenda and Claire Markey