

STATE OF ALASKA

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

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File No. 1530.38.004

February 2, 2004

Citifor Inc.
Attention Keith Burke
701 Fifth Avenue, Suite 7272
Seattle, WA 98104

Re: Site Closure Determination
East Icy Bay Logging Camp
Database ID No. 2001110113801

The Alaska Department of Environmental Conservation (ADEC) has reviewed the request for site closure at the East Icy Bay Logging Camp. This determination is based on the findings and recommendations presented in GeoEngineers December 2001 report entitled *Remedial Action Report for Site Closure* and on the DMC Technologies July 2003 report entitled *Confirmation Sampling and Evaluation of Closure*.

Background

Icy Bay is located on the Alaska mainland along the coastal margin of the Gulf of Alaska and the Wrangell-St.Elias Mountains near the foot of Mt. St. Elias. The East Icy Bay camp is approximately 64 miles northwest of Yakutat.

The East Icy Bay camp and log transfer facilities were constructed in 1993 to support logging operations on Chugach Alaska Corporation lands. Ben A. Thomas Inc., under contract with Citifor Inc., and Seward Forest Products, operated the facility. Infrastructure included a log sort yard and transfer facility, sawmill, bulk fuel storage tanks and fuel dispensing area, equipment maintenance shop, fluids storage area, scrap metal storage area, diesel generator, mobile housing, camp waste incinerator and two wood waste landfills.

GeoEngineers previously conducted work at the site in July 2000 under contract with Chugach Alaska Corporation. The work consisted of a general environmental compliance review to determine outstanding issues prior to camp closure. Some surface soil staining was noted in this survey. Further investigation and cleanup were recommended.

In May 2001 ADEC accepted the site into the Voluntary Cleanup Program. This program (now called the Streamlined Cleanup Program) is designed to expedite cleanup of low threat sites and minimize department oversight.

Contaminants of Concern

Contaminants included petroleum, primarily in the diesel range.

Approved Soil Cleanup Levels

Soil cleanup levels approved in 2001 are the most restrictive levels in 18 AAC 75.341, tables B1 and B2.

Cleanup Summary

Logging camp infrastructure was dismantled in May and June of 2001. Soils were excavated during several mobilizations to the site throughout the summer and temporarily stockpiled at three locations consisting of a total of 14 stockpiles. Excavation locations and volumes are summarized below.

<u>Location</u>	<u>Volume (cubic yards)</u>
Bulk Fuel Storage Area	732
Diesel Generator Area	73
Maintenance Shop and Yard	281
Scrap Metal Storage Yard	30
Fluids Storage Area	<u>113</u>
TOTAL	1,229

Groundwater Considerations

Groundwater was not encountered during site cleanup.

Soil Treatment Results

DMC Technologies was hired by Citfor in the summer of 2003 to complete the treatment of the petroleum-contaminated soils. Treatment had been initiated earlier by two other remediation contractors but was only partially successful.

A 240-foot long by 110-foot wide bioremediation treatment cell was constructed. The treatment cell contained a total of 1,467 cubic yards of contaminated soil.¹

Confirmation sampling conducted July 2003, corrected for known biogenic interference, showed that cleanup levels had been met. The soil was approved for unrestricted disposal on August 5, 2003. It was used to backfill remaining excavations and as final cover at the camp waste disposal area.

Ecological Risks

Wildlife may occasionally encounter treated surface soil but the risks are minimal at the low remaining contaminant concentrations. Petroleum hydrocarbons will not migrate to nearby surface waters at these concentrations.

¹ The difference between this volume and the GeoEngineers volume of 1,229 cubic yards is due to estimating error and over-excavation of the 14 individual stockpiles for placement into the treatment cell.

Mr. Keith Burke

February 2, 2004

Determination

The investigation and cleanup of the former East Icy Bay Logging Camp has met all requirements specified in 18 AAC 75 Article 3 - Discharge, Reporting, Cleanup, and Disposal of Oil and Other Hazardous Substances. ADEC has determined that the cleanup is complete. In accordance with 18 AAC 75.380(d)(1), additional investigation and cleanup may be required if new information is discovered which leads ADEC to make a determination that the cleanup described in this decision is not protective of human health, safety, and welfare or the environment.

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 of the decision date. 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 of the decision date. The right to appeal is waived if a hearing is not requested within 30 days.



William Janes
Project Manager

cc: Mike Hoyt, Chugach Alaska Corporation