

STATE OF ALASKA

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

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April 4, 2006

Mr. Chuck Howe
Regional Environmental Coordinator
Alaska Department of Transportation & Public Facilities
2301 Peger Road
Fairbanks, AK 99709-5399

Re: Record of Decision
ADOT&PF Beaver
Snow Removal Equipment Building (SREB)

Dear Mr. Howe:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) reviewed the NORTECH Final Field Report dated May 2, 2005, for the Alaska Department of Transportation & Public Facilities (ADOT&PF) Beaver Snow Removal Equipment Building (SREB). Based on the information provided to date, ADEC has determined that soil contamination remains at the site above the most stringent 18 AAC 75.341 soil cleanup levels but the nature and extent of the contamination do not pose an unacceptable risk to human health or the environment. This determination is subject to site specific conditions and, if complied with, will require no further cleanup action at this time.

Please note the following information that was considered in making the determination on the environmental status of this site.

Site Background

Beaver is a community of approximately 70 people, located in the interior of Alaska on the Yukon River, approximately 110 air miles north of Fairbanks. It is approximately 60 miles southwest of Fort Yukon. The Beaver SREB is located on the south side of the community runway and apron area and is used to store and maintain equipment. The contamination at the SREB is reportedly from surface spills of diesel fuel, hydraulic oil, and other equipment lubricants.

NORTECH Environmental and Engineering was retained by Lakloey, Inc. to conduct a Phase I Assessment in May 2003 to evaluate environmental conditions at the site prior to construction of a concrete floor in the building. The Phase I investigation identified surface staining of diesel fuel presumed to have leaked from the equipment stored in the building.

In April and June 2004, the stained soil was excavated in preparation for the construction of the concrete floor. Approximately 40 cubic yards of soil were stored in a stockpile on-site. The samples collected from the excavated area identified soil contamination remaining in the ground up to 550 mg/kg diesel range organics (DRO) and that 225 cubic yards of soil above the most stringent DRO cleanup level of 250 mg/kg might remain in the ground.

Cleanup Levels

The soil cleanup levels established for this site are the 18 AAC 75.341 Tables B1 and B2 Method Two, "under 40 inch zone" migration to groundwater levels.

Table 1: Soil sample results compared to ADEC Cleanup levels (mg/kg)

Sample ID	Benzene	Toluene	Ethyl-benzene	Total Xylenes	GRO	DRO	RRO
Remaining Beneath Floor Slab							
BEV-09	<PQL	<PQL	<PQL	<PQL	<PQL	393	1120
BEV-11	<PQL	<PQL	<PQL	.072	<PQL	418	1350
BEV-12	<PQL	<PQL	<PQL	<PQL	<PQL	533	1750
BEV-13	<PQL	<PQL	<PQL	<PQL	<PQL	355	355
BEV-16	0.0255U	<PQL	<PQL	<PQL	<PQL	429	205
Excavated (in Stockpile)							
BEV-01	<PQL	<PQL	<PQL	<PQL	4.07	2460	23300
BEV-02	<PQL	<PQL	<PQL	<PQL	4.92	5160	41900
BEV-03	<PQL	<PQL	<PQL	<PQL	<PQL	6590	29100
BEV-04	<PQL	<PQL	<PQL	0.099	<PQL	9870	56200
BEV-06	0.622	6.48	22.5	101.2	2020	18000	
BEV-07	<PQL	0.0551	<PQL	0.1695	2.4	377	1790
BEV-08	0.880	12.1	47.8	213.5	4300	31700	2470
Final Stockpile Characterization							
BEV-17	<PQL	<PQL	<PQL	<PQL	<PQL	719	1390
BEV-18	<PQL	<PQL	<PQL	<PQL	10.4	3130	8750
ADEC Cleanup Levels	0.02	5.4	5.5	78	300	250	11,000

The groundwater cleanup levels established for this site are the 18 AAC 75.345 Table C levels.

Exposure Pathway Evaluation

The exposure pathways evaluated at the site include migration to groundwater as well as inhalation and/or ingestion by site workers. The site is a commercial/industrial site used for storage and maintenance of equipment. The contamination remaining in the ground is covered with a geomembrane liner and a concrete floor. The contaminants of concern (DRO and Residual Range Organics) are below the ADEC inhalation and ingestion cleanup levels but above the migration to

groundwater pathway for DRO. The groundwater is approximately 28 feet below ground surface (bgs). Residents of Beaver haul treated water from a municipal well and washeteria approximately 1000 feet from the site.

The concrete floor and geomembrane effectively eliminate the ingestion and inhalation exposure pathways. The cover material also limits surface water infiltration through the soil column and the possible migration pathway to the groundwater.

ADEC Decision

The cleanup actions at this site have resulted in the removal of approximately 40 cubic yards of contaminated soil from the SREB. This soil is approved for incorporation into the base material for the Beaver airport apron. Furthermore, the residual soil remaining beneath the SREB floor is covered and encapsulated by a geomembrane material and a concrete cover to prevent exposure.

ADEC has determined that the cleanup actions employed at the ADOT&PF Beaver SREB were effective in removing most of the contamination from the site. There is residual soil contamination remaining beneath the SREB floor but it does not pose a risk to human health or the environment provided site specific conditions and/or controls are attached to the property.

Based on the information provided to date, ADEC will require no further remedial action subject to the following conditions:

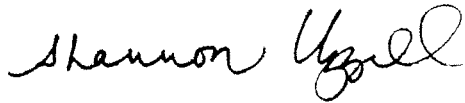
1. An Institutional Control will be added to the ADEC Contaminated Sites Database identifying the nature and extent of contamination remaining on site.
2. In accordance with 18 AAC 75.325(i), ADEC approval is required prior to removal and/or disposal of soil or groundwater from this site.
3. In accordance with 18 AAC 75.380(d)(2) ADEC reserves the right to require additional site assessment, monitoring, remediation, and/or other necessary actions at this facility if new information become available that suggests any contamination at this site may pose a threat to human health or safety, or the environment.

ADEC will consider a Site Closure (and removal of institutional controls) only after the soil and/or groundwater achieves the established cleanup levels for the site.

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, P.O. Box 111800, Juneau, Alaska 99811-1800, within 15 days of the decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, P.O. Box 111800, Juneau, Alaska 99811-1800, within 30 days of the decision. If a hearing is not requested within 30 days, the right to appeal is waived.

If you have any questions, please contact Shannon Uzzell at (907) 451-2104 or via e-mail at Shannon_Uzzell@dec.state.ak.us.

Sincerely,



Shannon Uzzell
Environmental Program Specialist

Sincerely,



Jim Frechione
Environmental Program Manager

cc: Darren Mulkey, M&O, ADOT&PF
Peter Beardsley, NORTECH