



THE STATE
of **ALASKA**
GOVERNOR BILL WALK

Department of Environmental
Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

410 Willoughby Ave., Suite 303
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File: 2404.38.004

Return Receipt Requested

Article No: 7012 3460 0002 9327 0770

December 1, 2015

City of Aniak
P.O. Box 189
Aniak, AK 99557-0189

Robert Holbrook
Alaska Dept. of Transportation and Public Facilities
Aviation Leasing and Airport Land Development
P.O. Box 196900
Anchorage, AK 99519-6900

Re: Institutional Controls verification for ADOT&PF Aniak City Shop Bldg

The Contaminated Sites Program conducts periodic verification of closed sites where institutional controls (land use restrictions) are required under 18 AAC 75.375. We have identified Aniak City Shop as a site with institutional controls.

In order to prevent people from being exposed to any remaining contamination on the property, **this letter is being sent as a reminder** of the conditions placed on the property as part of the 2007 Record of Decision granted by the Alaska Department of Environmental Conservation (ADEC). At the time of closure, soil contamination was documented as remaining on the property. The 2007 determination is subject to the following site-specific conditions and/or controls:

- ADEC shall be notified prior to off-site transport of soil or groundwater in accordance with 18 AAC 75.325(i).
- Movement or use of contaminated material in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited.

In addition to the conditions above, you are required to notify the ADEC if there are any changes in land use or ownership. Failure to maintain these requirements may result in re-opening the site by the Contaminated Sites Program, in which case, further remediation could be mandatory.

December 1, 2015

In accordance with 18 AAC 75.380(d)(2), ADEC may require additional site assessment, monitoring, remediation, and/or necessary actions at this facility should new information become available that indicates contamination at this site may pose a threat to human health or the environment.

If you seek to have the institutional controls removed from this site, you can choose at any time to voluntarily conduct additional assessment, monitoring or further cleanup to demonstrate that contamination at the site now meets the applicable cleanup levels under 18 AAC 75.

This site information is a matter of public record and is available at ADEC's online database record at: <http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/SiteReport/2606>.

If you have any questions regarding this site, please contact me at (907) 465-5229 or evonne.reese@alaska.gov and I will be glad to assist you.

Sincerely,



fdr

Evonne Reese
Environmental Program Specialist
Institutional Control Unit

Encl: 2007 Record of Decision

STATE OF ALASKA

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

SARAH PALIN, GOVERNOR

555 Cordova Street
Anchorage, AK 99501-2617
Phone: (907) 269-7503
Fax: (907) 269-7649
<http://www.dec.state.ak.us/>

File #: 2404.38.004

February 27, 2007

Ron Stroman
Alaska Dept. of Transportation & Public Facilities
Aviation Leasing and Airport Land Development
P.O. Box 196900
Anchorage, Alaska
99519-6900

RE: Record of Decision for ADOT&PF Aniak City Shop, Aniak Airport, Aniak, Alaska.

Dear Mr. Stroman:

The Alaska Department of Environmental Conservation (ADEC) reviewed the environmental records for ADOT&PF Aniak City Shop located at the , Aniak Airport, Aniak, Alaska. Based on the information contained in the attached Record of Decision (ROD), the ADEC has determined that the Aniak City Shop site requires "no further remedial action" at this time and therefore, Aniak City Shop will be conditionally closed. Please note that this ROD applies only to the ADOT&PF Aniak City Shop site, and that ADOT&PF is responsible for ensuring that the conditions in the ROD are upheld.

If you have any questions regarding this letter, please contact me at (907) 269-7551 or e-mail dave_pikul@dec.state.ak.us.

Sincerely,



Dave Pikul
Environmental Program Specialist

Attachment: Record of Decision

Cc: Terry Hoffman, ADOT&PF
Stafford Glashon, S&W

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

**RECORD OF DECISION
ADOTPF Aniak City Shop
Aniak Airport**

February 27, 2007

Site name and location

The ADOT&PF Aniak City Shop site is located at the Aniak Airport off River Road in Aniak, Alaska. The City of Aniak leases a 1.3-acre parcel from ADOT&PF for a maintenance shop facility. This land is identified as ADOT&PF lease lots ADA 05433 and ADA 04889.

Name and address of responsible or contact person

Alaska Department of Transportation & Public Facilities
Aviation Leasing and Airport Land Development
P.O 196900
Anchorage, Alaska
99519-6900

Database Record key and file number

Reckey 1996250114201
File No: 2404.38.004

Regulatory authority

18 AAC 75 and 18 AAC 78

Background

The City of Aniak is located on the south bank of the Kuskokwim River at the head of Aniak Slough, 59 miles southwest of Russian Mission in the Yukon-Kuskokwim Delta. It lies 92 air miles northeast of Bethel and 317 miles west of Anchorage. The City of Aniak leases property at the State-owned airport for the storage and maintenance of city equipment. They have leased the site for 17 years and have stored various pieces of debris, vehicles, barrels; drums, etc. on site.

The City Shop site consists of a surface layer of brown silt intermixed in sandy gravel material underlain by sandy silt. The groundwater was detected 17 to 22 feet below ground surface (bgs) at the city shop site but is typically 20 to 30 bgs according to other airport groundwater data. The unconfined aquifer is used as a drinking water source and numerous drinking water wells are located throughout the area. Regional groundwater flow is northwesterly, parallel to the flow of the Kuskokwim River. There are four groundwater monitor wells on site but contamination has not been detected above ADEC cleanup levels.

In August 2003, nine soil (mostly surface) samples identified diesel range organics (DRO) from 388 to 7,410 mg/kg. Two samples contained residual range organics (RRO) at 11,200 and 23,500 mg/kg. Arsenic and chromium were also detected above cleanup levels but they are considered within naturally occurring background concentrations for the area.

A June 2004 investigation installed seven soil borings with five completed as monitor wells. Fifteen soil samples were collected with three detecting DRO above the migration to groundwater clean up level. Two of the three same samples contained benzene levels above the most stringent clean up level. Soil contamination was generally near the surface but the highest DRO level of 8,650 mg/kg was encountered from 2.5 to 4.5 feet bgs. DRO concentrations ranged from 306 mg/kg to 8,650 mg/kg but it does not appear to extend deeper than 7 feet bgs. The soil sample results are provided in the following table.

Depth (Feet)	DRO (mg/kg)	Benzene (mg/kg)
(5 - 7)	306	<0.0265
(2.5 - 4.5)	8,650	<0.119
(2.5 - 3.5)	793	ND
ADEC Cleanup Level	250	0.02

(mg/kg) – milligrams per kilogram

In addition to the petroleum hydrocarbons, soil samples detected arsenic ranging from 8.66 to 13.6 mg/kg which is considered acceptable since the naturally occurring background concentrations for arsenic in the Aniak area range from 5.8 to 17 mg/kg.

The groundwater samples from the five monitor wells did not detect contaminants above the established clean up levels.

In October 2005, only one monitor (CS-MW-1) was sampled due to low yields in the other wells. The sample results did not detect GRO, DRO, or volatile organic compounds (VOC's) above clean up levels. This well is located approximately 40 feet down gradient of the current fuel dispenser system and 60 feet down gradient of the former AST area.

There were a total of 42 drums at the Aniak City Shop site during the June 2003 site investigation. The drum contents were reportedly generated from on-site maintenance activities. In May 2004, it was determined that 11 drums were empty; 6 drums contained dried tar; 4 drums contain grease; 1 drum contained water; 1 drum contained water and an unknown clear liquid; 1 drum contained antifreeze and used oil; and the remaining 19 drums contained used oil and/or oily water.

A water well search had been conducted previously during a 1997 area-wide investigation of the Aniak Airport and 28 drinking water wells were identified. The wells were sampled for VOC's; RCRA metals; nitrates; and pesticides. The sample results indicated elevated levels of iron in the groundwater and one well had elevated levels of lead. The City Shop water well was sampled twice and did not detect contamination in either sample.

The community of Aniak has approximately 155 homes that are reportedly served by groundwater wells. There are six groundwater wells on the airport towards the south end runway. The groundwater in this area was impacted by the past releases from a former above ground fuel tank farm and/or pipeline system. The wells are located at the ADOT&PF Maintenance Shop site; the City Shop site; Northern Air Cargo; Hageland Air; Penn Air; and Alaska State Troopers housing/office buildings. It was suspected that the groundwater flow direction was towards the ADOT&PF Maintenance Shop; former Penn Air (now Island Air) and the Alaska State Troopers.

The 2005 sample results did not detect contamination above cleanup levels.

Chemicals of Concern

The contaminants of concern identified at this site are:

DRO

RRO

Benzene

Cleanup Levels

The soil cleanup levels established for this site are 18 AAC 75.341 Tables B1 and B2, Under 40 inch Zone, Migration to Groundwater.

<u>Contaminant</u>	<u>Site Cleanup Level (mg/kg)</u>
Gasoline Range Organics (GRO)	300
Diesel Range Organics	250
Residual Range Organics	11,000
Benzene	0.02
Toluene	5.4
Ethyl benzene	5.5
Total Xylenes	78

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

<u>Contaminant</u>	<u>Site Cleanup Level (mg/L)</u>
Gasoline Range Organics	1.3
Diesel Range Organics	1.5
Residual Range Organics	1.1
Benzene	0.005
Toluene	1.0
Ethyl benzene	0.7
Total Xylenes	10.0

Exposure Pathways Identified

The following exposure and/or migration pathways were considered in this decision document.

The exposure pathways for human health that were evaluated include: indoor and outdoor inhalation; direct contact with surface and subsurface soil; and ingestion of ground or surface water. However, the contaminant concentrations did not exceed the levels considered acceptable for human health risk.

The migration to groundwater pathway could be considered complete and the soil contamination exceeds the default level established for the protection of groundwater. However, groundwater monitoring indicates the groundwater has not been impacted above cleanup levels.

ADEC Decision

ADEC has determined that the ADOT&PF Aniak City Shop site was impacted from the past release(s) of petroleum hydrocarbons. However, the impacted area is limited in extent and does not pose an unacceptable risk to human health or the environment. Based on the information

provided to date, ADEC will not require any further remedial action provided site specific conditions are attached to the property. This site shall be "Conditionally Closed" subject to the following conditions:

1. A Notice of Environmental Contamination will be recorded on the ADEC database that identifies the nature and extent of the contamination remaining on the site. It will also notify future owners/operators of the property of the environmental status of the site and the need to comply with any conditions established by this decision document.
2. ADEC shall be notified prior to off site transport of soil or groundwater in accordance with 18 AAC 75.325(i).
3. Groundwater monitoring shall be conducted in accordance with an ADEC monitor plan.

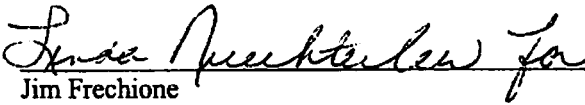
This determination is also subject to 18 AAC 75.380(d) whereby additional investigation and cleanup may be required if new information indicates the cleanup actions to date are not protective of human health or the environment.

Site closure (without conditions) will be considered when sampling confirms that soil and groundwater meet the 18 AAC 75 cleanup levels established for this site.

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 questions about this Conditional Closure decision, please contact me at (907) 451-5175


Jim Frechione
Environmental Manager