



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

Department of Environmental Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

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Heather Langendorf, Wildlife Biologist
Division of Wildlife Conservation
1800 Glenn Highway #4
Palmer, AK 99645-6736

Re: Institutional Controls (ICs) Verification for:
ADOT&PF Knik River Rest Stop (AKA Reflections Lake), Mile 30.2 Glenn Highway, Palmer,
Alaska 99645

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 ADOT&PF Knik River Rest Stop (AKA Reflections Lake) 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 2004 Record of Decision granted by the Alaska Department of Environmental Conservation (ADEC). At the time of closure, soil and groundwater contamination were documented as remaining on the property.

ICs are required at this site because lead contamination is present in soil at concentrations that may, if disturbed, pose a risk to human health or the environment. The lead contamination resulted from unauthorized shooting activities conducted at the site until the early 2000's. ADEC conducted exposure mitigation in 2011 by placing geotextile fabric on top of the lead impacted areas, covering the fabric with gravel, then reseeding select areas to promote revegetation and stabilization of the gravel cover. If gravel cover is removed or if lead that is present in Reflection Lake is consumed by fished or aquatic organisms, the current risk evaluation may no longer be applicable. Therefore, in order to mitigate exposure risk to human health or the environmental, it is important to maintain ICs on the property.

Policy and regulations have evolved since this site was closed with conditions in 2004. Please be advised that the ADOT&PF Knik River Rest Stop (AKA Reflections Lake) site is subject to the following standard and site-specific conditions and/or institutional controls:

1. Any future change in land use may impact the exposure assumptions cited in the Decision Document. If land use and/or ownership changes, current institutional controls may not be protective and ADEC may require additional remediation and/or institutional controls. Therefore, current landowner will report to ADEC every five years to document land use, or as soon as the current landowner becomes aware of any change in land ownership and/or use. The report can be sent to the local ADEC office or submitted electronically to DEC.ICunit@alaska.gov.

2. ADEC approval is required prior to moving any soil or groundwater off any site that is, or has been, subject to the site cleanup rules [see 18 AAC 75.325(i)]. A “site” [as defined by 18 AAC 75.990 (115)] means an area that is contaminated, including areas contaminated by the migration of hazardous substances from a source area, regardless of property ownership. In the future, if soil will be excavated or groundwater will be brought to the surface (for example to dewater in support of construction) it must be characterized and managed following regulations applicable at that time and ADEC approval must be obtained before moving the soil or water off the property. *This is a standard condition.*
3. Movement or use of contaminated material in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited. *This is a standard condition.*
4. Groundwater throughout Alaska is protected for use as a water supply for drinking, culinary and food processing, agriculture including irrigation and stock watering, aquaculture, and industrial use. Contaminated site cleanup complete determinations are based on groundwater being considered a potential drinking water source. In the event that groundwater from this site is to be used for other purposes in the future, such as aquaculture, additional characterization and treatment may be required to ensure the water is suitable for its intended use. *This is a standard condition.*

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.

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 through ADEC’s online database record at: <http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/SiteReport/3327>

The ADEC will issue a reminder letter such as this on a scheduled basis, every five years. If you have any questions regarding this site, please contact me at gaige.robinson@alaska.gov and I will be glad to assist you.

Sincerely,



Gaige Robinson
Environmental Program Specialist
Institutional Controls Unit

CC: Alaska Department of Natural Resources (ADNR) Statewide Abatement of Impaired Land (SAIL) Section