



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

**Department of Environmental
Conservation**

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

555 Cordova St
Anchorage, AK 99501
Main: 907-269-3057
Fax: 907-269-7687
www.dec.alaska.gov

File: 2100.38.550

March 19, 2015

Mr. John Siegle
Anchorage Curling Club
PO Box 200686
Anchorage, AK 99520

Re: Decision Document; Anchorage Curling Club
Cleanup Complete Determination-Institutional Controls

Dear Mr. Siegle;

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the Anchorage Curling Club site located in Anchorage, Alaska. Based on the information provided to date, it has been determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment and no further remedial action will be required as long as the site is in compliance with established institutional controls (ICs).

This decision is based on the administrative record for the Anchorage Curling Club which is located in the offices of the ADEC in Anchorage, Alaska. This letter summarizes the decision process used to determine the environmental status of this site and provides a summary of the regulatory issues considered in the Cleanup Complete with ICs determination.

Introduction

Site Name and Location:

Anchorage Curling Club
711 East Loop Road
Anchorage, AK 99501

Name and Mailing Address of Contact Parties:

Mr. John Siegle
Anchorage Curling Club
PO Box 200686
Anchorage, AK 99520

ADEC Site Identifiers

File: 2100.38.550
Hazard ID: 26319

Regulatory authority under which the site is being
cleaned up:

18 AAC 75

Background

In October 2014, the Anchorage Curling Club reported a loss of approximately 40 gallons of propylene glycol from the ice making system. The location of the spill is unknown, but is assumed to be underneath the concrete slab. No evidence of the release was reported, other than the apparent loss of glycol from the system and no samples have been collected.

Contaminants of Concern

Based on the information provided by Anchorage Curling Club, the only contaminant of concern at this site is propylene glycol.

Pathway Evaluation

Following investigation and cleanup at the site, exposure to the remaining contaminants was evaluated using ADEC's Exposure Tracking Model (ETM). Exposure pathways are the conduits by which contamination may reach human or ecological receptors. ETM results show all pathways to be one of the following: De Minimis Exposure, Exposure Controlled, or Pathway Incomplete. A summary of this pathway evaluation is included in Table 1.

Table 1 – Exposure Pathway Evaluation

Pathway	Result	Explanation
Surface Soil Contact	De minimis exposure	Soil contamination, if present, is located beneath a concrete slab
Sub-Surface Soil Contact	De minimis exposure	Soil contamination, if present, is located beneath a concrete slab
Inhalation – Outdoor Air	Pathway Incomplete	Propylene glycol is not a volatile compound capable of causing risk via this pathway.
Inhalation – Indoor Air (vapor intrusion)	Pathway Incomplete	Propylene glycol is not a volatile compound capable of causing risk via this pathway.
Groundwater Ingestion	Pathway Incomplete	Groundwater in the area is not used as a drinking water source in this area and based on the amount of glycol released, it not likely to be impacted by contamination from this site.
Surface Water Ingestion	Pathway Incomplete	Surface water is not used as a drinking water source in this area.
Wild Foods Ingestion	Pathway Incomplete	Wild foods are not collected in this area.
Exposure to Ecological Receptors	Pathway Incomplete	Ecological receptors are not likely to come into contact with contamination at the site.

Notes to Table 1: "De-minimis exposure" means that in ADEC's judgment receptors are unlikely to be affected by the minimal volume of remaining contamination. "Pathway incomplete" means that in ADEC's judgment contamination has no potential to contact receptors. "Exposure controlled" means there is an administrative mechanism in place limiting land or groundwater use, or a physical barrier in place that deters contact with residual contamination.

ADEC Decision

The extent of contamination has not been delineated, however ADEC has determined there is no unacceptable risk to human health or the environment. Therefore this site will be issued a Cleanup Complete- ICs determination subject to the following.

1. Any future change in land use may impact the exposure assumptions cited in this document. If land use and/or ownership changes, current ICs may not be protective and ADEC may require additional remediation and/or ICs. Therefore the Anchorage Curling Club or their designee shall report to ADEC as soon as they become aware of any change in land ownership and/or use, if earlier. **The report can be sent to the local ADEC office or electronically to DEC.ICUnit@alaska.gov.**
2. When the building is removed, the underlying soil must be evaluated for the presence of contamination.
3. Any proposal to transport soil or groundwater off site requires ADEC approval in accordance with 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. (See attached site figure.)
4. Movement or use of contaminated material in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited.

The ADEC Contaminated Sites Database will be updated to reflect the change in site status as detailed above, and will include a description of the contamination remaining at the site. When the site meets the requirements for a Cleanup Complete determination, Institutional Controls will be terminated.

This determination is in accordance with 18 AAC 75.380(d) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

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.

Please sign and return *Attachment A* to ADEC within 30 days of receipt of this letter. If you have questions about this closure decision, please contact the ADEC project manager, Bill O'Connell at (907) 269-3057.

Approved By,

A handwritten signature in black ink, appearing to read 'Bill O'Connell', is written over a horizontal line.

Bill O'Connell

Environmental Program Manager

Attachment A: Cleanup Complete-ICs Agreement Signature Pages

Cc: Russ Grandel, Alaska Railroad Corporation
John Rodda, Anchorage Parks and Recreation

ADEC File No.

Hazard ID No.

Attachment A: Cleanup Complete-ICs Agreement and Signature Page*

The **Anchorage Curling Club** agrees to the terms of this Cleanup Complete with ICs determination as stated in this Closure Decision Document dated **March 19, 2015** for the Anchorage Curling Club site. Failure to comply with the terms of this agreement may result in ADEC reopening this site and requiring further remedial action in accordance with 18 AAC 18 AAC 75.380(d).

Barbara J. Harmon, ACC Treasurer
Signature of Authorized Representative, Title,
Organization

April 7, 2015

Signature of Authorized Representative, Title,
Organization

Note to Responsible Person (RP):

After making a copy for your records, please return a signed copy of this form to the ADEC project manager at the address on this correspondence within 30 days of receipt of this letter.

ADEC File No. 2100.38.550
Hazard ID: 26319
ADEC Project Manager: Bill O'Connell

For Internal Use Only

***Attention ADEC Administration Staff:** Please follow the procedure below after Attachment A is signed/returned to ADEC.

1. Log-in and Date Stamp *Attachment A*
2. Scan and Save to the appropriate electronic folder on the network Drive
3. File the hard copy in the appropriate project/site file Correspondence Folder (blue in Anchorage).
4. Provide the Correspondence folder (with the filed *Attachment A* hard copy) to the ADEC Project Manager so that the PM can update the CS database.

