



Water Resources
Nunavut Regional Office
P.O. Box 100
Iqaluit, NU, X0A 0H0

Your file - Votre référence
2BE-ANG1318

May 16, 2014

Our file - Notre référence
CIDM# 797984

Robin Ikkutisluk
License Administrator Assistant
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU, X0A 1J0

**Re: Application for Water Licence Amendment – Kivalliq Energy Corp., Angilak Project
2BE-ANG1318**

Dear Ms.Ikkutisluk,

Aboriginal Affairs and Northern Development Canada (AANDC) has performed a review of the water licence amendment application 2BE-ANG1318 submitted by Kivalliq Energy Corporation to the Nunavut Water Board (NWB). The following advice has been provided pursuant to AANDC's mandated responsibilities under the Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSTRTA) and the Department of Indian Affairs and Northern Development Act (DIAND Act). In conducting our review, AANDC referred to the documents on the NWB's FTP-site under 2BE-ANG1318.

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4282 or by e-mail at ian.parsons@aandc-aadnc.gc.ca

Regards,

Sent via Email

Ian Parsons
Regional Coordinator

Cc. Murray Ball, Manager of Water Resources, AANDC
Erik Allain, Manager of Field Operations, AANDC
Christine Wilson, Water Resource Officer, AANDC



Technical Review Memorandum

To: Robin Ikkutisluuk – License Administrator Assistant, Nunavut Water Board

From: Ian Parsons – Regional Coordinator, AANDC

Existing Water Licence: 2BE-ANG1318

**Re: Application for Water License Amendment – Kivalliq Energy Corp., Angilak Project
2BE-ANG1318**

A. Background

The Angilak property is located 240 km southwest of Baker Lake in the Kivalliq Region of Nunavut. The Camp has five main buildings (Kitchen, Dry, Office, Core Storage and Pacto) and 16 tents for sleeping.

The Kivalliq Energy Corporation holds a valid water licence 2BE-ANG1318 which was issued by the Nunavut Water Board (NWB) on March 15, 2013.

This amendment application involves the following:

- i) Increase in water use from 100m³ to 300m³ – This is as a result of the recent clarification of the definition of water use.

The submitted information is as follows:

- 080731 2BE-ANG---- 08EN052- Screening Decision Report-OT2E
- 120323 2BE-ANG1318 08EN052-Screening Decision Report-OT6E
- 130131 2BE-ANG0813 08EN052-Application Exempt Pursuant to NLCA12 4 3-OT8E
- 130130 2BE-ANG0813 08EN052-Screening Decision Report-OT6E
- 140324 2BE-ANG1318 NIRB 2008 Screening Decision and 2012 Exemption-KIV-IMLE
- 140407 2BE-ANG1318 EXI99 Application Exempt Pursuant to NLCA Schedule12-1-OA1E
- Site Locations
- 2008 NPC Conformities
- 2008 Certificates of Incorporation-Name Change
- 2014 Supporting Docs List
- Community Consultation Log
- Company Officers
- Copy of 140127 AANDC Definition of Water Use
- Inspection Reports 2009 2010
- NTS Map
- Amendment Application
- English Executive Summary
- Inuktitut Executive Summary
- Signed Authorization Letter Andrew Berry
- Additional Information Amendment Application - email

B. Results of Review and Recommendations

AANDC Water Resources Division offers the following comments and recommendations for the Board's consideration.



1. Application

- Block 6 of the Water Licence Amendment Application indicates that the Inuit Owned Lands (IOL) authorization from the Kivalliq Inuit Association is set to expire on August 1, 2014.
AANDC reminds the proponent to renew this authorization as soon as possible to avoid any project delays.
- Block 7 of the Water Licence Amendment Application states Nunavut Planning Commission (NPC) conformity is attached; however the conformity that is attached is from 2008. Additionally an email dated April 28th from Kivalliq Energy Corp. to the NWB indicates that they have not heard back from NPC regarding conformity regarding this amendment.
AANDC recommends that the licensee provide to the NWB NPC's conformity determination as soon as it is known.
- Block 13 of the Water Licence Amendment Application indicates that the camp water source is **New Yat Lake**, however in the approved water license the camp water source is indicated as **Nutaaq Lake** and furthermore an inspection of the site carried out by AANDC states that the water license should be amended to indicate **Angilak Lake** as the camp water source.
AANDC recommends clarification on the name of the camp water source and its associated latitudinal and longitudinal coordinates.
- Continuing with Block 13 AANDC notes that the licensee has indicated that they intend to return 78.2 m³ of water to the source per day. AANDC could find no other details describing the return of water to the source within the application documents.
AANDC recommends the licensee provide details on mitigation of potential impacts from the water to be returned to the source. These aspects would include, but are not limited to:
 - i) Will the re-circulated water be heated?
 - ii) By what method will the water be returned to the source? (directly or indirectly, please describe)
 - iii) How will the licensee confirm that the water is of acceptable quality to return to the source. Will periodic sampling be required?

Additionally, the proponent should ensure when returning the water to the source that they do not cause:

- i) Erosion
- ii) Sedimentation
- iii) Re-suspension of lake bottom sediments

Prepared By Ian Parsons