



February 10, 2015

Original via mail

Mosha Cote
Manager, Research Liaison
Nunavut Research Institute
P.O. Box 1720
Iqaluit, Nunavut
XOA 0H0

Dear Mr. Cote;

RE: Angilak Project – 2014 Project Report

Enclosed please find Kivalliq Energy Corporation's Project Report for work conducted in 2014, submitted in Inuktitut and English.

Please don't hesitate to contact me should you have any questions or concern, or should you require any further information.

With kind regards,

Maria Egerton
Environmental and Permitting
Kivalliq Energy Corporation

ፊርማው ማረጋገጫ

1.0	ለፍቃድ ማስገባት ያለው ፍቃድ	1
1.1	ለፍቃድ ማስገባት ያለው ፍቃድ	1
1.2	ክልላዊ ጥበቃና ጥበቃ ለማረጋገጥ	1
1.3	ለፍቃድ ማስገባት ያለው ፍቃድ	1
1.4	ከፍቃድ ማስገባት ያለው ፍቃድ	1
1.5	ፍቃድ ማስገባት ያለው ፍቃድ	1
1.6	ለፍቃድ ማስገባት ያለው ፍቃድ (ክልላዊ ጥበቃና ጥበቃ)	1
1.7	ከፍቃድ ማስገባት ያለው ፍቃድ /የፍቃድ ማስገባት ያለው ፍቃድ	1
2.0	ለፍቃድ ማስገባት ያለው ፍቃድ	1
2.1	ከፍቃድ ማስገባት ያለው ፍቃድ ለፍቃድ ማስገባት ያለው ፍቃድ	1
2.2	ከፍቃድ ማስገባት ያለው ፍቃድ ለፍቃድ ማስገባት ያለው ፍቃድ	ERROR! BOOKMARK NOT DEFINED.

1.0 $\Lambda_{\text{CDM}} \sigma_8 \Omega_m^{\text{fid}} \Delta \Omega_m^{\text{fid}} \Delta \sigma_8$

1.1 Λ CDM ∇^2 ∇^2 ∇^2

- [illegible]

1.2 ንግድና ጥሬ ምርት ለማምረት

- በ>ና >ናፈኑ፣ ዘፈኑ፣ ፈጽሞና ፍጹምና (Hemmera Envirochem Inc.)

1.3 Λ CDM \rightarrow Λ CDM

ΛΓΛΔΨΥς ρϑϑΓΔΨς ρΔΨΔΓ 62°34' N, 98°38' W. ΓΔΨ ΔΨΔς 1.

1.4 $b \cap \sigma^b \Delta \sigma^c \sqcup^c \sigma^b \Delta \sigma^c \triangleright \sigma^c \Delta \sigma^b \sqcup^c$

- 13 ልዩ ስልጣን ስራ ለማድረግ ምርጫውን በጥቅም ላይ ሊውል ይችላል።
- ልዩ ስልጣን ስራ ስለሚደረግበት ምርጫውን በጥቅም ላይ ሊውል ይችላል።
- ስራው ስለሚደረግበት ምርጫውን በጥቅም ላይ ሊውል ይችላል።
- ስራው ስለሚደረግበት ምርጫውን በጥቅም ላይ ሊውል ይችላል።

1.5 $\Delta^a \Gamma \leq C \Delta^b \Gamma^c$

Hልፋሽና (Hemmera) ለርቢኤዮር በየረድኤይን ለርቢኤልዲስተሪኤይን ሆርሳክት ዩኒቨርሲቲ ለርቢኤልፊር
ዲፕሎማሲያን ካርቶግራፊ.

1.6 $\Lambda^{\mathfrak{d}}\Pi^{\mathfrak{c}} \hookrightarrow \mathcal{D}^{\mathfrak{b}}\mathcal{D}^{\mathfrak{b}}\mathcal{D}^{\mathfrak{c}} (\mathcal{C}\Delta\mathfrak{b}\mathfrak{c}^{\mathfrak{a}}\Gamma^{\mathfrak{a}}\mathfrak{a}^{\mathfrak{c}}\sigma\mathfrak{d}^{\mathfrak{b}}\mathcal{D}^{\mathfrak{c}} / \Lambda^{\mathfrak{b}}\mathcal{C}\mathcal{D}\sigma\mathfrak{d}^{\mathfrak{b}}\mathcal{D}^{\mathfrak{c}} \hookrightarrow)$

- ሥርዓታዊና ልማዳዊ ሥርዓቶች ለሰላም ምርጫዊነት ይታወቃል።
- ሥርዓቱ ልማዳዊነትን ያሳያል። ለሰላም ምርጫዊነት ሥርዓቱ ልማዳዊነትን ያሳያል።

1.7 $\triangleright \Pi^{\mathfrak{b}} \Pi^{\mathfrak{c}} \triangleright \sigma^{\mathfrak{a}} \mathbb{L} / \mathfrak{p} \mathbb{L}^{\mathfrak{b}} \mathbb{C} \triangleright \sigma^{\mathfrak{a}} \mathbb{L}_{\mathfrak{d}^{\mathfrak{c}}} < \mathfrak{q} \triangleright \Pi^{\mathfrak{c}}$

[illegible]

2.0 ၵမ္မတရားဥပဒေ

2.1 ከጥንታዊ ጥናቶች

- ሥርዓተ ምግብና የጤና ጥበቃ ስርዓቶች በጥሩ ሁኔታ ላይ መሆናቸውን ማረጋገጥ
- ለጤናማ የጤና ጥበቃ ስርዓቶች ማረጋገጥ፡ EPA ለጥገናው ስርዓት 1669 “ኢንፎርሜሽን ለጤናማ የጤና ጥበቃ ስርዓቶች”

ክልላዊ አስተዳደር

- ሥራው ክልላዊ አስተዳደር አገልግሎት፣ ክልላዊ አስተዳደር ክልላዊ አስተዳደር.
- ልማት ለውጥ ክልላዊ አስተዳደር አገልግሎት ለውጥ ለውጥ፣ ክልላዊ አስተዳደር ክልላዊ አስተዳደር.

ለአገልግሎት፣ ክልላዊ አስተዳደር አገልግሎት ለውጥ 604.646.8360.

ወደፊት አገልግሎት፡፡

የፍትሕ ክልላዊ አስተዳደር አገልግሎት

ሊካላ (ሊካላ) ሊካላ (Maria Egerton)

አገልግሎት አገልግሎት



**ANGILAK PROJECT 2014 ENVIRONMENTAL
MONITORING PROGRAM**

2014 PROJECT REPORT

Prepared for:
NUNAVUT RESEARCH INSTITUTE
Iqaluit
Nunavut

Prepared by:
Kivalliq Energy Corporation
1020-800 West Pender Street
Vancouver, BC, V6C 2V6

January 2015

TABLE OF CONTENTS

1.0	PROJECT INFORMATION.....	1
1.1	PROJECT TITLE	1
1.2	RESEARCHER'S NAME AND AFFILIATION	1
1.3	PROJECT LOCATION	1
1.4	DATA COLLECTION TIMEFRAME	1
1.5	METHOD OF TRANSPORTATION	1
1.6	STRUCTURES ERECTED (PERMANENT / TEMPORARY).....	1
1.7	RESTORATION / ABANDONMENT PLANS	1
2.0	METHODOLOGY.....	1
2.1	COLLECTION PROTOCOL.....	1
2.2	COLLECTION MECHANISMS	1

1.0 PROJECT INFORMATION

1.1 PROJECT TITLE

- Angilak Project Water Quality Summary 2014

1.2 RESEARCHER'S NAME AND AFFILIATION

- Deborah Bryant, Hemmera Envirochem Inc.

1.3 PROJECT LOCATION

The project is located in the Kivalliq Region at 62° 34' N, 98° 38' W. Please see **Figure 1**.

1.4 DATA COLLECTION TIMEFRAME

- 13 water quality field samples were collected during a 1 day visit in August.
- Hydrology and Air Quality monitoring data was not collected in 2014. Due to a smaller exploration program conducted over a shorter period of time, field resources were not available to collect hydrology and air quality data during the appropriate data collection windows.
- Weather data is collected year round from the fully automated on-site weather station.

1.5 METHOD OF TRANSPORTATION

Hemmera staff arrived at camp via Twin Otter Plane. Transportation around the project area was by helicopter.

1.6 STRUCTURES ERECTED (PERMANENT / TEMPORARY)

- The existing 4 air quality stands remain on-site.
- The existing fully automated weather station remains on-site year round to collect data on an on-going basis

1.7 RESTORATION / ABANDONMENT PLANS

With the exception of the weather station and 4 dustfall stands, all monitoring equipment and structures were removed at the end of the 2012 field season. No permanent impact is expected as a result of Hemmera's activities, equipment or structures.

2.0 METHODOLOGY

2.1 COLLECTION PROTOCOL

- Climate: Meteorological Services Canada Guidelines
- Water Quality: EPA Method 1669 "Clean Hands Dirty Hands"

2.2 COLLECTION MECHANISMS

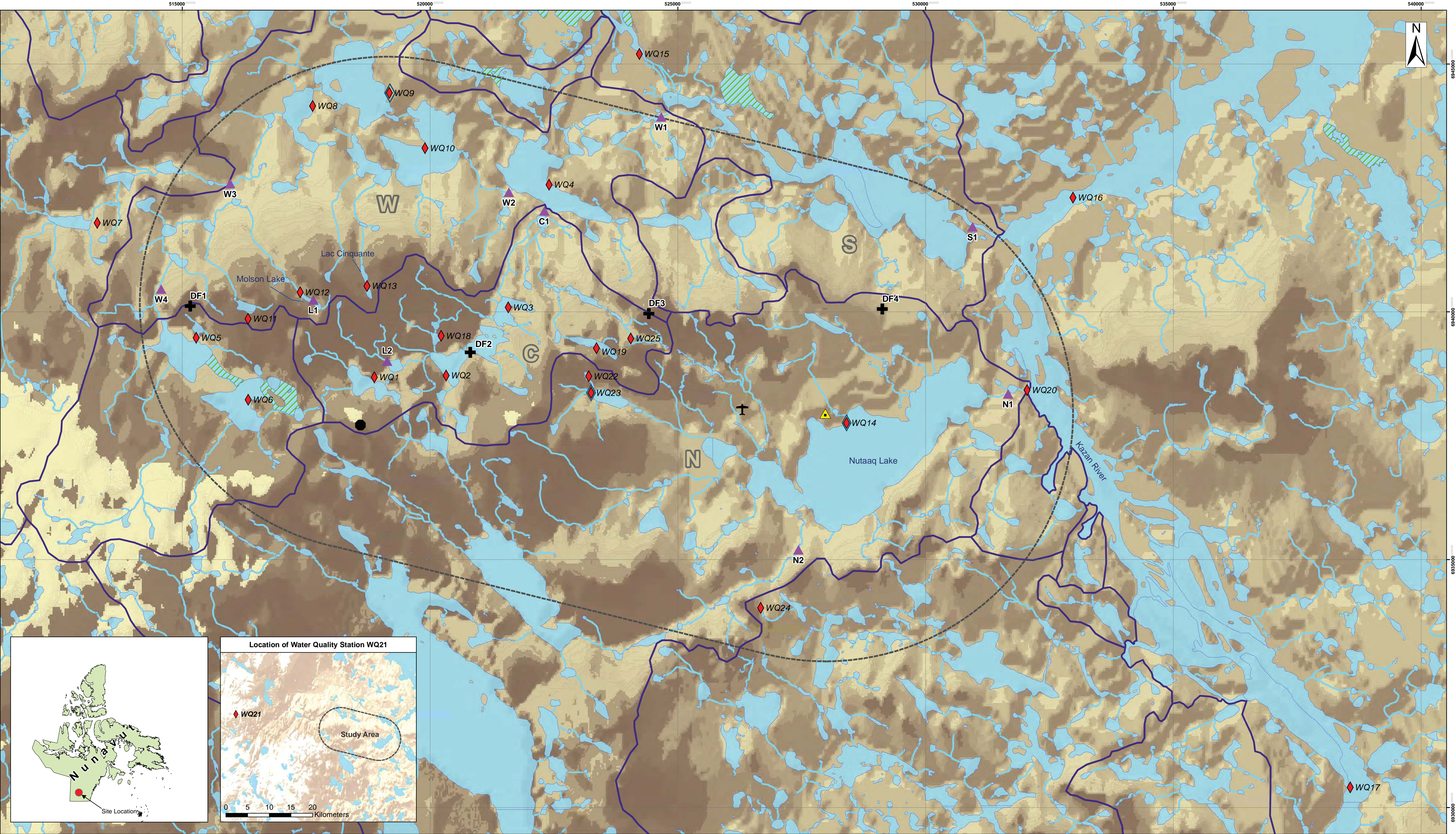
- Climate: Existing fully automated weather station, web based download.

- Water Quality was measured using a handheld water quality meter for routine parameters, lab analysis for chemistry

If there are any questions, please do not hesitate to contact the undersigned by phone at 604.646.8360.

Report prepared by:
Kivalliq Energy Corporation

Maria Egerton
Environmental and Permitting



Study Area

Airstrip

Nutaq Camp

Watershed

Wetland

Lake

Streams

Dustfall Station

Climate Station

Hydrometric station

Water Quality Station

Sediment Sample Location

W

Watershed

Height (m)

Coordinates shown in UTM, NAD83, Zone 14

HEMMERA

Angilak Project Environmental Monitoring Program 2013

Kivalliq Region, Nunavut

Project Area and Sampling Locations

1190-001.04

January 2013

Figure 1