

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Licensee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Licensee Representative     |
| Qikiqtaaluk Environmental Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Oliver SIMARD               |
| Licence No. / Expiry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Representative's Title      |
| 1BR-THI1722                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Project Manager             |
| Land / Other Authorizations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Land / Other Authorizations |
| --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | --                          |
| Date of Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Inspector                   |
| July 16, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Jonathan MESHER             |
| Activities Inspected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |
| <div><div><input type="checkbox"/> Camp</div><div><input type="checkbox"/> Roads/Hauling</div></div> <div><div><input type="checkbox"/> Drilling</div><div><input checked="" type="checkbox"/> Other: Landfarm</div></div> <div><div><input type="checkbox"/> Mining</div></div> <div><div><input type="checkbox"/> Construction</div><div><input type="checkbox"/> Other:</div></div> <div><div><input type="checkbox"/> Reclamation</div></div> <div><div><input type="checkbox"/> Fuel Storage</div></div> |                             |

Conditions:    **A - Acceptable**    **C - Concern**    **U - Unacceptable**    **NA – Not Applicable**    **NI – Not Inspected**

| Water Use                                                                                |         |  | Site Conditions              |         |  | Haz/Mat Management                 |         |  |
|------------------------------------------------------------------------------------------|---------|--|------------------------------|---------|--|------------------------------------|---------|--|
| Condition                                                                                | Comment |  | Condition                    | Comment |  | Condition                          | Comment |  |
| Intake/Screen                                                                            | NA      |  | Water Management Structures  | A       |  | Storage                            | A       |  |
| Flow Measure. Device                                                                     | A       |  | Culverts / Bridges           | NI      |  | Spills                             | NA      |  |
| Source:                                                                                  | NA      |  | Drainage                     | NI      |  | Spill Plan                         | A       |  |
| Water Use:                                                                               | NA      |  | Erosion / Sediment           | NI      |  |                                    |         |  |
| Recirculation ( y /n)                                                                    | NA      |  | Mitigation Measures          | NI      |  | Administrative                     |         |  |
|                                                                                          |         |  | Reclamation Activities       | NA      |  | Records                            | NI      |  |
|                                                                                          |         |  | Materials Storage            | A       |  | Reports                            | NI      |  |
| Waste Disposal                                                                           |         |  | Signage                      | A       |  | Plans                              | C       |  |
| Waste Water                                                                              | A       |  |                              |         |  | Notifications                      | A       |  |
| Solid Waste                                                                              | A       |  | Monitoring                   |         |  | Other                              |         |  |
| Hazardous Waste                                                                          | A       |  | Sample Collection / Analysis | NI      |  | Follow-up from previous inspection | NI      |  |
|                                                                                          |         |  |                              |         |  |                                    |         |  |
| *The number in the comments field will correspond with specific comments provided below. |         |  |                              |         |  |                                    |         |  |
| Samples taken by Inspector:                                                              |         |  | Location(s):                 |         |  |                                    |         |  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                      |         |  |                              |         |  |                                    |         |  |

|           |                                              |                                                             |                                          |
|-----------|----------------------------------------------|-------------------------------------------------------------|------------------------------------------|
| SECTION 1 | <input checked="" type="checkbox"/> Comments | <input type="checkbox"/> Non-Compliance with Act or Licence | <input type="checkbox"/> Action Required |
|-----------|----------------------------------------------|-------------------------------------------------------------|------------------------------------------|

Background

On August 20, 2014 the Nunavut Water Board issued a type “B” Water Licence 1BR-THI1419 to Qikiqtaaluk Environmental Inc. (QE) to allow for the disposal of waste during the operation of a commercial Hydrocarbon Impacted Water Treatment Facility located within the City of Iqaluit, Nunavut.

Inspection

On June 16, 2019 an inspection was conducted by Jonathan MESHER a Water Resource Officer (WRO) of Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) and accompanied by Oliver Simard of Qikiataaluk Environmental.

1. The original soil treatment cell appears to be operating as intended; the soil appears to be laid out in a way to increase aeration. (see photo #1 for the referred to containment cell)

2. The Licensee has completed the construction of new soil treatment cell within the facility foot print; this construction has not been approved by the NWB. The licensee has submitted an amendment to the NIRB (file # 15XH051) and to the NPC (file # 149195) and are waiting for the conformity determination prior to submitting an amendment application to the NWB. (see photo #2 for the recently completed soil treatment facility)

3. The licensee has also upgraded their water treatment facility to increase the rate of treatment from 10 Litres a minute to 30 Litres a minute.

4. No concerns were noted about the condition of the berm walls or the storage of waste.

|           |                                   |                                                                        |                                                     |
|-----------|-----------------------------------|------------------------------------------------------------------------|-----------------------------------------------------|
| SECTION 2 | <input type="checkbox"/> Comments | <input checked="" type="checkbox"/> Non-Compliance with Act or Licence | <input checked="" type="checkbox"/> Action Required |
|-----------|-----------------------------------|------------------------------------------------------------------------|-----------------------------------------------------|



The Following is a list of Non-compliance with the water licence 1BR-THI1722;

- The Licensee is out of compliance with the Terms of the licence listed below because; they have constructed structures to hold waste prior to obtaining approval from the NWB.
  - I. Part G, Item 1
  - II. Part F, Item 1

Inspector's Name

Jonathan MESHER

Signature

Date

July 24 , 2019

Water Resource Officer, Nunavut Region  
Crown Indigenous Relations and Northern Affairs Canada – CIRNAC  
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Office #: 867-975-4296  
Fax: 867 979-6445

Date

Camera

Inspector

Authorization

Sony Cyber-shot

J.Mesher

1BR-NUN

Photo Log

Photo 1



Description: Original soils treatment facility .

Date

Camera

Inspector

Authorization



Photo Log

Photo 2



Description: Recently constructed soil treatment facility