



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

May 11, 2018

INAC reference
CIDM# 1219562

NWB reference
#8BC-BTN----

Richard Dywer
A/Manager of Licencing
Nunavut Water Board
Gjoa Haven, NU, X0E 1J0

**Re: Concentric Geoscience Inc. Technical Review of Bridge to Nowhere- New
Type B water licence 8BC-BTN----**

Dear Mr. Dywer,

Thank you for the email received on April 18, 2018 from the Nunavut Water Board concerning the above mentioned water licence application process. A technical memorandum is provided for the Nunavut Water Board's consideration. Comments have been provided pursuant to the Department's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

Please do not hesitate to contact me by telephone at 867-975-4568 or email at Lisa.Bachellier@aandc-aadnc.gc.ca for further comments or any questions.

Sincerely,

Lisa Bachellier
Water Resource Technician

c.c.: Ian Parsons A/Manager, Water Resources, INAC
Erik Allain, Director, Lands, INAC



Technical Memorandum

Re: Concentric Geoscience Inc. Technical Review of Bridge to Nowhere- New Type B water licence 8BC-BTN----

Applicant: Concentric Geoscience Inc.
Project: Bridge to Nowhere
Region: Qikiqtani Region

A. BACKGROUND

On April 18, 2018 the Nunavut Water Board (NWB or Board) provided notification to interested parties that Concentric Geoscience Inc. (Licensee) had submitted a Type “B” water licence application for # 8BC-BTN---- for the Bridge to Nowhere Repair project

The Bridge to Nowhere project extent is

NW 63.756615° (7070005.25 m N) 568.462202° (526533.19 m E)
NE 63.756244° (7069964.23 m N) 568.461529° (526566.72 m E)
SE 63.756036° (7069940.72 m N) 568.462215° (526533.07 m E)
SW 63.756423° (7069983.64 m N) 568.462846° (526501.60 m E)

The Proponent intends to conduct repair and stabilization works to the abutments to the Bridge to Nowhere to prevent the collapse of the span structure. An excavator, dump truck, backhoe will be used to remove abutment materials, move construction materials, remove construction debris, and place granular fill.

Concentric Geoscience repairs to the existing abutments will require redirecting flow through the overflow culvert located on the westerly side of the bridge. As this culvert must be replaced the work area around it must be isolated from the channel. Once the new overflow culvert has been established, water flow will be redirected from the channel, by installation of a new sandbag cofferdam, to the overflow culvert. This will effectively isolate the main channel under the existing bridge structure to enable access to reinforce the existing bridge abutments.

The program is proposed to take place from July to August 2018.

All interested parties were asked to review the new water licence application and provide technical comments by May 10, 2018.



B. RESULTS OF REVIEW

The Department has reviewed all documentation pertaining to this application and finds it to be satisfactory in addressing any concerns that the department would have.

The department reminds the licensee that all precautions and procedures to try and eliminate and/or reduce sedimentation to the stream during these activities be implemented. Otherwise the department has no comments or concerns

Prepared by Lisa Bachellier