

Environmental Protection Operations
Qimugjuk Building 969
P.O. Box 1870
Iqaluit, NU X0A 0H0
Tel: (867) 975-4631
Fax: (867) 975-4645

13 August 2010

EC file: 4517 000 035
NWB file: 1BR-CAP0914

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Via email: licensing@nunavutwaterboard.org

RE: 1BR-CAP0914 Urgent Amendment – Change Water Source

Environment Canada (EC) has reviewed the information submitted with the above-mentioned amendment application to the Nunavut Water Board (NWB). The following specialist advice has been provided pursuant to the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

Defence Construction Canada (DCC) was issued Type B water license 1BR-CAP0914 by the NWB on 29 May 2009, expiring 31 May 2014. Under this license Harding River is the sole source permitted for water use. Due to *E. coli* contamination of the original water source at the Harding River, DCC is applying for an amendment of the license to change the water source.

Based on the information provided, EC does not have any comments at this time regarding this amendment. Comments previously submitted on behalf of EC by C. Meloche on 19 November 2003 in response to the NIRB Part 4 Screening under file 03DN126 would still apply to this project (see attached). If there are any additional changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4631 or by email at Paula.C.Smith@ec.gc.ca.

Yours truly,



Paula C. Smith
Environmental Assessment Coordinator

cc: Carey Ogilvie (Head, Environmental Assessment-North, EPO, EC, Yellowknife, NT)
Savanna Levenson (Environmental Assessment Coordinator, EPO, EC, Yellowknife, NT)



**Environment Environnement
Canada Canada**

Environmental Protection Branch
Qimugjuk Building 969 P.O. Box 1870
Iqaluit, NU X0A 0H0
Tel: (867) 975-4639
Fax: (867) 975-4645

November 19, 2003

Our file: 4517 000

Jorgen Komak
Environmental Assessment Officer
Nunavut Impact Review Board
P.O. Box 2379
Cambridge Bay, NU X0B 0C0
Tel: (867) 983-2593
Fax: (867) 983-2594

Via Facsimile

**RE: NIRB 03DN126 / NWB5CAP – UMA Engineering Ltd. - Site Investigation and
Campsite, PIN-2, Cape Young Project**

On behalf of Environment Canada (EC), I have reviewed the information submitted with the above-mentioned application. The following specialist advice has been provided pursuant to Environment Canada's mandated responsibilities for the enforcement of the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

UMA Engineering Ltd., on behalf of Defence Construction Canada, has submitted a land use permit and a water license application to conduct a site investigation at the PIN-3 Cape Young DEW Line site. The site investigation will obtain the detailed information required to finalize the clean-up plans for the PIN-2 site, which is scheduled to begin in 2010. The site will be occupied from June until August, 2004.

Environment Canada recommends that the following conditions be applied throughout all stages of the project:

- The proponent shall not deposit, nor permit the deposit of any fuel, chemicals, wastes or sediment into any water body. According to the Fisheries Act, Section 36(3), the deposition of deleterious substances of any type in water frequented by fish, or in any place under any conditions where the deleterious substance, or any other deleterious substance that results from the deposit of the deleterious substance, may enter any such water, is prohibited.
- Environment Canada recommends the use of an approved incinerator for the disposal of combustible camp wastes.
- Environment Canada recommends that any groundwater wells installed during the site investigation be removed prior to the end of the investigation.
- All sumps shall be located above the high water mark of any waterbody and in such a manner as to prevent the contents from entering any waters frequented by fish. Further, all sumps shall be backfilled upon completion and contoured to match the surrounding landscape.
- Any test pits created during the site investigations should be backfilled immediately upon completion to prevent potential degradation of the permafrost regime.
- The proponent shall ensure that all hazardous materials generated during the course of the site investigations receive proper treatment and disposal at an approved facility. This includes any laboratory wastes which are deemed hazardous.

- Environment Canada recommends that secondary containment, such as self-supporting insta-berms, bermed areas lined with an impermeable membrane, or other similar preventative measures, be used when storing barreled fuel on location.
- It is recommended that drip pans, or other similar preventative measures, be used when refueling equipment on site.
- Annex B, "Emergency Spill Reporting Procedures" (1998) included with the application lists the contact numbers for reporting spills. Please note that the area code for the Environment Canada 24 Spill Line should be 867, not 403. Further, the area code for Iqaluit is 867 and not 819. These changes should be made to the Procedures if they haven't been already.
- The Land Use application submitted to the NIRB indicates that pit toilets will be used for the disposal of camp sewage. However, the water license application submitted to the NWB indicates that incinerating toilets may be used. Environment Canada requests clarification regarding which option will be used. If pit toilets are chosen as the preferred option, the pits should be located above the high water mark of any waterbody and in such a manner as to prevent the contents from entering any waterbody frequented by fish. Further, the pits shall be backfilled upon completion and contoured to match the surrounding landscape.
- The application indicates that some items may be stored onsite until the clean-up of PIN-2 commences. The proponent shall not store materials on the surface ice of lakes or streams.

If there are any changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4639 or by email at colette.meloche@ec.gc.ca.

Yours truly,

Colette Meloche
Environmental Assessment Specialist

cc: (Mike Fournier, Northern Environmental Assessment Coordinator, Environment Canada, Yellowknife)