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April 15, 2016

Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU
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Re: Notification of modification to the 2AM-DOH1323 and 2BE-HOP1222 Windy Lake water uptake line

This letter is being submitted as notification of modification to the Windy Lake water uptake line. TMAC will replace the existing lake uptake line with a longer one of same design. The purpose of this modification is to reach deeper water that is less influenced by natural spring runoff, which currently causes elevated turbidity and consequential water treatment challenges during freshet.

The current Windy Lake water uptake line is an insulated HDPE heat traced pipe about 10" in diameter (including sealed foam insulation and heat tracing) anchored to the lake bottom running about 20 m out from shore. The anchor is a 1m x 0.7m x 0.7 m block of concrete connected to the uptake end of the line by 1-1.5 inch gauged water resistant rope. The line uptake is equipped with a screen to prevent the entrainment and impingement of fish. The new line will have these same features, it will also be placed in the same location as the existing line, but will be approximately 10 m longer to access the deeper water.

The new line and anchoring system will be installed by placing it on top of the ice this winter and allowed it to melt through the ice and settle on the lake floor in spring.

The old line will be disconnected from it's anchor and pulled out of the lake once the ice is fully melted. The concrete block anchor will be left in the lake.

This modification meets the requirements of 2AM-DOH1323 Part H, Item 1 and 2.

If you have any questions, or should need any further information, please feel free to contact me.

Regards,

A handwritten signature in blue ink, consisting of stylized initials and a surname, likely belonging to M. John Roberts.

M. John Roberts
Vice-President Environmental Affairs
TMAC Resources Inc.

cc:

Eva Paul, INAC

Julie Martinette, DFO

John Roesch, KIA