NWB Tools

Richard Dwyer <richard.dwyer@nwb-oen.ca>

Desalination Plant at the MLA

Macoura Kone <Macoura.Kone@b2gold.com> Thu, Sep 10, 2026 at 2:13 PM
To: Sergey Kuflevskiy <sergey.kuflevskiy@nwb-oen.ca>
Cc: Ali Shaikh <ali.shaikh@nwb-oen.ca>, Richard Dwyer <richard.dwyer@nwb-oen.ca>

Good afternoon, Sergey,

I am sorry for the delay in getting back to you. Please find below responses to your questions.

NWB Requests #1:

- It appears that the new plant is expected to be more efficient than the existing one in terms of freshwater production, with a higher freshwater production capacity while requiring a lower seawater intake. Is my understanding correct?

B2Gol Nunavut Response to Requests #1:

- Your understanding is correct.

NWB Requests #2

- Could you please provide the freshwater production capacity of the existing plant? The Water Management Plan does not appear to explicitly provide the freshwater production rate. Based on the maximum intake and discharge rates provided in the Plan (33 m³/h intake and 30 m³/h discharge), my initial assumption was that the freshwater production could be approximately 3 m³/h, or 72 m³/day. Please confirm whether this is correct.

B2Gold Nunavut Response to Requests #2:

The existing freshwater production capacity is lower than the maximum outlined in the Plan. Please see below.

- Current production rate is 0.75 m3/h per RO - With our maximum of 3 RO's running = 2.25 m3/h. These give 18m3/day and 54m3/day (maximum).
- Current discharge rate is 1.8 m3/h per RO - With our maximum of 3 RO's running = 5.4 m3/h. These give ~43 m3/day, and ~129m3/day, respectively.

NWB Requests #3

- Could you also confirm whether 100 m³/day is the normal operating capacity of the proposed new plant and 150 m³/day is intended as a future expansion, or whether the 150 m³/day capacity will be installed from the outset? What was the basis for the proposed new plant's capacity of 100 m³/day, with the 150 m³/day expansion capacity?

B2Gold Nunavut Response to Requests #3:

- The MLA occupancy varies from 52 people on site in the care and maintenance phases to over 350 during inter ice road (WIR) operations. The new plant is setup and capable at running at either production rate (100 and 150m3) to suit the variance.
- The basis of these usage numbers is from George Stone and takes into account what we have gathered from actual usage at MLA over the past years. The numbers include the capacity for flushing toilets, as we are currently using Pacto's.

NWB Requests #4

- Please also confirm that the proposed new plant will be sufficient to meet the freshwater demand of the anticipated 350+ person camp once the existing plant is decommissioned and provide the anticipated timeframe for decommissioning the existing plant.

B2Gold Nunavut Response to Requests #4:

- I confirm that the new plant will be sufficient to meet the freshwater demand of the anticipated 350+ person camp once the existing plant is decommissioned. The commissioning of the new plant is scheduled for early November, and we will still be using the existing plant. Once the new plant is up and running and confirmed to be consistently producing water with no issues, we will then not use the existing plant. I would conservatively estimate 2 weeks for this. As this is a new system, and given our remote location, the existing plant will not be disassembled when the new system is running, but will be made off line i.e., will not be used in conjunction with the new system. We do not expect to exceed our permitted intake and discharge rates. Commissioning will be done before the influx of the WIR labour, commencing in December.

NWB Requests #5

- The map provided shows the proposed location of the new plant; however, it does not appear to identify the location of the existing desalination plant. Could you please provide an updated map showing the locations of both the existing and proposed new desalination plants?

B2Gold Nunavut Response to Requests #5:

- The new map attached show location of the existing and new desalinization plants

I hope these will provide more clarity on the proposed works and will help determine the appropriate regulatory pathway.

Thank you and kind regards,

Macoura Koné, PhD., PGeol., PGeo.
Manager, Environment
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From: Sergey Kuflevskiy <sergey.kuflevskiy@nwb-oen.ca>
Sent: Thursday, August 27, 2026 2:41 PM
To: Macoura Kone <Macoura.Kone@b2gold.com>
Cc: Ali Shaikh <ali.shaikh@nwb-oen.ca>; Richard Dwyer <richard.dwyer@nwb-oen.ca>
Subject: Re: Desalination Plant at the MLA
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Attachment 1 - Desal plant locations (Existing and New).pdf
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