

From: [Baker, Nadia](#)
To: [Goump Djalogue](#)
Cc: [Brad Overton](#); [Cloutier-Dussault, Jean-Philippe \(ECCC\)](#); [Huguet, Tyler](#)
Subject: Eureka NPC Amendment #149617 - water use increase
Date: Wednesday, December 7, 2022 1:28:41 PM

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Hello Goump,

On November 23, 2022 NPC Amendment 149617 was amended as per below (still in the "Completeness check" phase). The plan to fill the reservoir has undergone further internal discussions with the contractor with regards to pumping options. It is now proposed to modify the pump rate from 515 m3/day over 45 days to 2000 m3/day over 10 days at peak freshet flow. For context, Station Creek flow rate during freshet ranges between 0.9 m3/s to 5.1 m3/s. The estimated volume passing the HAWS over a period of 30 days would therefore range between 2.4 million to 13.3 million m3. Therefore, the proposed pump rate of 2000m3/day represents only 0.45% to 2.57% of the total creek volume.

In consideration of the above, what is the best way to update our NPC Amendment that is currently under review? Please advise.

Nov 23, 2022 Amendment Text

The Nunavut Planning Commission and Nunavut Impact and Review Board approved the construction of the raw water storage basin (reservoir) and the activity to fill it under NPC Amendment 149617. This activity was also approved by Nunavut Water Board Type B Water Licence No. 8BC-EUR2131. Originally, filling of the reservoir was estimated to require 299m3/day, however it has now been determined that ~515 m3/day will be required (conservative estimate assuming 45 days of filling). Filling of the reservoir will be a one-time event in 2024 during freshet and highwater and will not be needed in future years. The purpose of this amendment is to identify the water use increase to fill the reservoir which will require Nunavut Water Board Type A licence processing.

Best regards,
Nadia

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