



NWB Tools

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Back River Project 2AM-BRP1831 Llama and Umwelt Lake Dewatering Plan

John Roesch <JRoesch@lands.kitia.ca>

Wed, Mar 13, 2024 at 2:42 PM

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

Cc: Merle Keefe <mkeefe@b2gold.com>

Hello Richard, the KIA has reviewed the Dewatering Plan for water license 2AM-BRP1831 for the Back River Project.

The KIA finds the dewatering plan and water quality testing to be reasonable with only a few points that need to be clarified within the plan.

1. Will the treated water in Stage 2 be discharged at the point on the map labeled "Treatment Effluent Water Discharge" whereby it will be expected to flow northwest to the fish barrier before flowing east along the established flow path from Umwelt to Goose Lake?
2. If so, how will water be pumped from Umwelt to the water treatment plant for discharge? There is no infrastructure indicated on the map to facilitate this transfer of water.
3. If not, will B2Gold Nunavut confirm that a temporary treatment plant will be commissioned at Umwelt for discharge along the established flow path to Goose Lake if the Stage 3 alternative is not used?
4. Given that the quantity of water being discharged downstream over a 5-to-10-week period is 1,370,000 m³ at a rate of 10% of peak flows from Goose Lake, will fish and fish habitat monitoring take place in the downstream receiving environment and discharge rates reduced if any negative effects are observed? Discharge rates are tied to peak freshet flows and these flows will be elevated by 10% which may result in negative influence such as increased scouring and sedimentation which may impact any spring spawners in the system such as Arctic Grayling.

Thank you.

John

John Roesch, P.Eng.

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3/13/24, 2:45 PM

Nunavut Water Board Mail - Back River Project 2AM-BRP1831 Llama and Umwelt Lake Dewatering Plan

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