



NWB Tools

Phyllis Beaulieu <phyllis.beaulieu@nwb-oen.ca>

RE: 2BE-HAK0914 Hacket River Drill sump monitoring

1 message

Rick.Schwenger@glencore-ca.com <Rick.Schwenger@glencore-ca.com>

Thu, Oct 15, 2015 at 8:49 AM

To: Eva.Paul@aandc-aadnc.gc.ca, Michel.Boucher@glencore-ca.com

Cc: licensing@nwb-oen.ca

We will modify our plans for next year Eva to include pH correction

From: Eva Paul [mailto:Eva.Paul@aandc-aadnc.gc.ca]**Sent:** Wednesday, October 14, 2015 8:23 PM**To:** Boucher, Michel (Montreal - CA) <Michel.Boucher@glencore-ca.com>**Cc:** Schwenger, Rick (New Brunswick Mine - CA) <Rick.Schwenger@glencore-ca.com>; Licensing Department <licensing@nwb-oen.ca>**Subject:** 2BE-HAK0914 Hacket River Drill sump monitoring

Hi Michel and Rick,

Thank you for the reports. In January I reviewed the two sump monitoring reports submitted in 2014 and requested that "appropriate remedial actions" be implemented as per the approved Drill Cuttings Management and Monitoring Plan (2014) as per Part D item 10.

This plan indicates that: "When pH values of sumps effluent exceed the 6 to 9.5 pH range, the effluent will be either treated (eg. lime solution addition) or cuttings will be backhauled for proper disposal. Other remediation techniques may be investigated to ensure effluent pH normal range. For example, the spreading bentonite chips (and hydrating with water) over the surface of the sump's cuttings would isolate sulfide materials from air and water and could prevent oxidation responsible for pH reduction. However, before such techniques can be implemented, they will be need to be detailed and approved by authorities."

In April, you provided me with a description of your planned reclamation activities (tundra transplants).

I have reviewed the July and September reports that were provided. I've compiled the information from these reports into a table (attached) to get a sense of the data. There's too little data to get much of a trend, but it is interesting nonetheless.

That said, I don't seen an indication that any treatment is being applied consistent with the approved plan. I had assumed, as part of the reclamation described in your April correspondence, that the sumps with low pH would receive some pH correction in addition to the tundra transplants. While I am very interested in the results of the vegetation transplant experiments, the veg work should be carried out in addition to, not in lieu

of, the actions approved in the plan.

Please align your work for the 2016 season with the licence requirements and the approved plan.

On another note, I have not seen a renewal application be distributed for comment yet for this licence. A minimum of 3 months is recommended for a type B renewal, and you're now less than that. Unless final reclamation of the project is planned prior to the expiry of the licence, please submit the application post-haste!

And finally, my coordinates have changed; new contact information is below.

Best regards,

Eva Paul

Water Resources Officer | Agent des ressources en eau

Aboriginal Affairs and Northern Development Canada | Affaires autochtones et Développement du Nord Canada

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Eva.Paul@aandc-aadnc.gc.ca

>>> <Rick.Schwenger@glencore-ca.com> 10/9/2015 11:16 AM >>>

Eva

I have attached the September site and sump inspection reports for Hacket River. The inspections were completed by Anneli Jokela of ERM. Please let me know if you have any comments or concerns.

Rick Schwenger

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