



NWB Tools

Ida Porter <ida.porter@nwb-oen.ca>

Re: Crown Pillar Recovery

Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Mon, Apr 23, 2018 at 8:36 PM

To: Oliver Curran <oliver.curran@tmacresources.com>

Cc: Derek Donald <derek.donald@nwb-oen.ca>, Shelley Potter <shelley.potter@tmacresources.com>, Adam Grzegorzczuk <adam.grzegorzczuk@tmacresources.com>, Ida Porter <ida.porter@nwb-oen.ca>

Hi Oliver,

TMAC Notification is acknowledged. The NWB acknowledges that this modification doesn't require any amendments to any conditions of Licence. Please note that if within 60 days of receipt of Modification request the NWB does not provide any written direction, the Licensee is free to proceed with activities proposed.

I am assuming that no concerns were identified previously by NWB which is the reason of not responding to TMAC after December 12 within 60 days.

The NWB advises TMAC that all relevant monitoring should be completed to ensure that the site is stable once restored.

The Board is also advises that a Construction Summary Report should be provided as per Licence terms and conditions.

Regards,

Sent from my BlackBerry 10 smartphone on the Bell network.

From: Oliver Curran**Sent:** Monday, April 23, 2018 4:26 PM**To:** Karén Kharatyan**Cc:** Derek Donald; Shelley Potter; Adam Grzegorzczuk**Subject:** Crown Pillar Recovery

Hi Karén

As discussed, the Nunavut Impact Review Board issued its confirmation on December 12, 2017 that TMAC's crown pillar recovery activity is a non-significant modification of the Doris North Gold Mine Project (see correspondence attached). TMAC provided a detailed overview of the crown pillar recovery activities in its notice to the NIRB of November 23, 2017 (also attached). The primary components are as follows:

- Establishment of a temporary trench (50 metres wide by 200 metres long), managed similarly to a short-lived quarry;
- Construction of a 320 metre spur road to access the area proposed for the temporary trench;
- Temporary storage of overburden and waste rock from the trench on existing approved pads on the surface;
- Haulage of ore recovered from the crown pillar through underground mine workings to the existing and approved ore stockpiles at surface;
- Placement of stockpiled overburden and waste rock as backfill in the trench on completion of ore recovery in the crown pillar; and
- Completion of all activities associated with the proposed modifications within approximately four (4) months in the spring and summer of 2018.

Overall, the crown pillar recovery activities are short term in duration and minor in nature. As set out in our letter of November 23, 2017, the crown pillar surface works are designed to minimize the overall footprint and avoid watercourses. During this operation a minimum buffer of 31 m from Doris Lake will be maintained, and no water crossings or additional water use will be required. There is no sediment or contact water pond associated with the crown pillar recovery trench. Best management practices including silt fences will be required during the first spring after construction and closure. Crown pillar recovery will not change water management practices on surface or underground as per the existing Water Management Plan.

Reclamation will be carried out once the activity is complete and all provisions of the current and approved Doris North Interim Closure and Reclamation Plan will apply. Once all ore has been removed the trench will be backfilled with the rock that was originally removed and the overburden placed at the top of the filled space. The final surface will have a positive relief aspect for surface water drainage and to avoid water ponding. No ancillary facilities will be constructed on the site and hence there is no need for such removal. Monitoring will determine when the site restoration is stable.

No changes to existing site infrastructure will be required. The temporary crown pillar recovery trench will be located in the same location as a previously permitted vent raise and a short spur road. As per our letter of November 23, 2017, TMAC has not identified any amendments or modifications to the Water Licence necessary in order to proceed with this activity. Nonetheless, in order to ensure that the NWB is fully informed about activities at site I am writing to provide notice that TMAC currently plans to proceed with crown pillar recovery on **June 1, 2018** and to restate that:

- Further to Part H of the Water Licence, the Crown Pillar Recovery does not require any modifications to any "Water Supply Facilities" or "Waste Disposal Facilities" (for reference, "Water Supply Facility" is defined under the Water Licence as "means the Fresh Water Intake, the Reclaim System and associated infrastructure" and "Waste Disposal Facilities" means all site infrastructure designed to contain Waste on a temporary or permanent basis including the Landfill, Landfarm, Tailings Impoundment Area, site Sumps, Pollution Control Ponds, and Sedimentation Pond."
- the NIRB has confirmed the Crown Pillar Recovery is consistent with the NIRB Project Certificate (see determination of December 12, 2017);
- the Crown Pillar Recovery will proceed in full compliance with all existing Water Licence terms and conditions and approved plans;
- the Crown Pillar Recovery will not place TMAC in contravention of the Water Licence or the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*; and
- All Crown Pillar Recovery activities will be located on Inuit Owned Lands and so will also proceed in compliance with TMAC's Commercial Lease and Inuit Impact Benefit Agreement with Kitikmeot Inuit Association.

Please let me know if you would like to discuss this further or if you have any questions.

Regards,

Oliver

Oliver Curran, M.Sc.

Vice President, Environmental Affairs

TMAC Resources Inc.

4/24/2018

Nunavut Water Board Mail - Re: Crown Pillar Recovery

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