



Indigenous and
Northern Affairs Canada

Affaires autochtones
et du Nord Canada



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TMAC Resources Inc.

**Amendment Application No. 1 to
Water Licence No. 2AM-DOH1323**

**Community Presentation
Nunavut Water Board Technical Meeting
Cambridge Bay, NU**

January 28, 2016

TMAC Resources Inc.

**Nutaannguqtiqtauhimayuq Atuqtakhait
Nampanga 1 Imaq Laisianit Nampanga 2AM-
DOH1323**

**Nunalingnit Takugakhait
Nunavut Imat Katimayit Qauyiharnikkut
Katimayut**

Ubluqtuhinia 28, 2016

Canada 



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4. Technical Review
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1. Roles and responsibilities

Indigenous and Northern Affairs Canada's (INAC) responsibilities, mandate, and obligations stem from the following laws:

- *Department of Indian Affairs and Northern Development Act*
- *Nunavut Land Claims Agreement Act*
- *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the associated regulations
- *Territorial Lands Act* and the associated regulations

Inikhait Kiuvikhangillu

Inuliqiyiitkut Kanata'p (INAC) kiuvikhait, maligautait, ukpiruhuutiqaqhutik haffumanngat maliguutiqaqhutik maligautait:

- *Inuliriyituqakkut Maligaq*
- *Nunavut Nunataarviup Angirutit Maligaq*
- *Nunavut Imait Nunavut Qaanganit Piyunnautingit Maligaq* unalu ilagiyangit maliguarutait
- *Nunallaangit Nunat Maligaq* unalu ilagiyait maliguarutit



2. INAC Inspections

As part of our broad mandate, INAC Water Resource Officers monitor sites to verify compliance with terms and conditions of licences and other authorizations.

2015 Doris North Gold Mine Site Inspections:

- July 18-19, 2015
- August 25-28, 2015 Geotechnical Site Inspection
- September 26-27, 2015

Inspection reports, and any responses from the Proponent, are available on the Nunavut Water Board's (NWB) public registry.

Takugakhaq

Ilagiyangit haffumani hivituyumik maligautait, INAC Imaq Avatiliqiyiit Piliriyiit amirivagait nayugaanit ilittuqhigiangani ilauqatigiyangit tainiit qanurilinganingillu laisiit aahiillu atulluaqtittiyungnirmut.

2015 Doris Nuat Kulu Uyaraqtarvik Nayugaat Qimilruaqtut:

- Julai 18-19, 2015
- Aagasi 25-28, 2015 Uyararnut qauyiharnikkut Nayugaat Qimilruaqtangit
- Saptaippa 26-27, 2015

Qimilruarningit unipkaarutit, unalu aallat kiuyauyut haffumanngat Havaakhaliuqtunut, piyumayaukpat pivigiinnarialik uvani Nunavut Imat Katimayita (NWB) kitunuliqaak atiliurvik.



3. Contributions to the water licence renewal application review

INAC submissions to the Nunavut
Water Board:

1. September 18, 2015
Completeness Review
Memorandum
2. December 8, 2015 Technical
Review Memorandum
3. December 8, 2015 Independent
Closure Cost Estimate
4. December 15, 2015 Geotechnical
Site Inspection Report

Aittuqtauhimayut ukunani imat laisikhait nutaannguqtiqhimayut atuqtakhainit qimilurningit

INAC turaarvingit ukunani Nunavut
Imaliqiniq:

1. Septaippa18, 2015 Iniqtakhait
Qimilurningit Titiqqat
2. Dissaipa 8, 2015 Qauyiharnikkut
Qimilurningit Titiqqat
3. Dissaipa 8, 2015 Inmikkut
Nutqarutaanut Akikhaa Naahautait
4. Dissaipa 15, 2015 Uyararnut
qauyiharnikkut Nayugaat
Qimilruarnikkut Unipkaa



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Doris Creek

Doris Kuugannuaq





Sedimentation Pond

Uyaralingnit Tahiraq





4. Technical Review

Water quality specific concerns:

- Contamination of any waters that accumulate in underground workings
- Potential re-circulation of water to and from Doris Lake
- Ponding of surface water around roads and pads

Qauyiharnikkut Qimilurningit

Imaup nakuurutaat ihumaaluutauhimayuq:

- Hururniit imarnut kititiqtauhimayut iluani nunat havaangit
- Qurluangit imarnut hamani hamanngat Doris Tahia
- Tahiraliurnikkut qulaanngat imat haniani apqutiit qaanganilu



4. Technical Review

Underground Disposal of Waste Rock and Tailings

- Concerns about the volume of waste rock and tailings to be stored underground.

Qauyiharnikkut Qimilrurningit

Nunaup ataani iqqakuut Uyarait Atunngittunit Tutquumavingillu

- Ihumaaluutit angiyuraaluit aturuqhimayut uyarait tahiliugaillu tutquumavit nunaup iluani.



4. Technical Review

Tailings Dust Control

The water licence amendment should require that TMAC Resources revise its Tailings Management Plan to include details on the planned use of environmentally suitable chemical dust suppressants.

Qauyiharnikkut Qimilrurningit

Tutquumavingit Ihiit Amiriyauyut

Hamna imaq laisiat
nutaannguqtihimayut kiugiaqaqhuni
hamna TMAC Resources
nutaannguqtirialik Tutquumavingit
Amiqhainirnit Parnautikhait
ilaliutauhimayut parnaiyarriihimayut
avatingnut naammagiyauhimayut
ilaurutihimayut ihiit hiamittailivikhait.



4. Technical Review

Marine discharge of water from the Tailings Impoundment Area and saline groundwater

TMAC Resources have proposed effluent discharge criteria based on the Metal Mining Effluent Regulations and the Canadian Council of Ministers of the Environment.

Regulatory authorities need to determine how to authorize any such discharge.

Qauyiharnikkut Qimilrurningit

Taryurmiut qurluangit imarmik ukunanngat Tutquumavingit Kiiliqhimayut Inianit ukuninngat taryurmiuttait nunaup imangat

TMAC Resources tukhiqhimayangit anarniit kuvvingit ilaliutiyait ukunanngat Havigalik Uyaraqtarvik Anarniit Maliguarutit unalu Kaniitian Katimayiit Ministauyut Avatinut.

Maliguarutit aulavikhait qanuq ihumagiyakhait aulattitigiami kuvviqtauhimagumik.



4. Technical Review

Reclamation Cost Estimate

Under the Nunavut Waters and Nunavut Surface Rights Tribunal Act, the Minister holds and will apply if required, the reclamation securities required by water licences issued by the NWB.

The Department will work with TMAC Resources and the Kitikmeot Inuit Association to advise the Nunavut Water Board on an amount of reclamation security that will be adequate to ensure the project area is fully remediated if TMAC Resources is unable to fulfill the conditions of the water licence.

Qauyiharnikkut Qimilurningit

Utiffaarmiyait Akikhait Naahautait

Malikhugu Nunavut Imat Nunavut Nunat Qaanganiitut Piyunnautingit Maligaut, Minista tigummihimayangit atiliuqtakhaalu kiugiaqarniqqat, hamna utiffaarnikkut nalliutikhait kiugiaqaqtaat imat laisiatigut titirariiqhimayut ukunanngat NWB.

Hamna Pilirivvik havaqatiginiqqauk TMAC Resources unalu Kitikmeot Inuit Katudjiqatigiingit aulapkaiyakhait Nunavunmi Imaliriyiit qanuq utiffaarmiyakhait nalliutiyakhait ilittuqhiigiaqaqtut havaangit inia ihuaqhattiaqhimayut hapkuat TMAC Resources iniqtiqhimaitkumiuk qanurilinganingit imait laisingit.





5. Conclusion

INAC notes that TMAC Resources has been cooperative in fulfilling requests and addressing concerns throughout this application process.

INAC expects the same level of cooperation with TMAC Resources in the future.

Nutqarutaat

INAC naunaiqhiyut hamna TMAC Resources havattiaqatigiitpagait iniqtiqtakhainit tukhiutingit kiuyakhait ihumaaluutingit tamainnut atuqtakhait piliriakhat.

INAC naaguhiyut aadjigiiktumik havaqatigittiarnikkut ukunanngat TMAC Resources hivunani.



5. Conclusion

The Nunavut Water Board Final Hearing should not be held until the Nunavut Impact Review Board has completed its environmental assessment and the Project Certificate has been amended.

INAC will work with TMAC Resources to resolve outstanding concerns before the NWB Public Hearing.

Nutqarutaa

Hamna Nunavunmi Imaliqiyit Kinguani Naalagvikhait katimalimaittut kihiani Nunavut Avatiliriryuat Katimayiit iniqqaarlugit avatiliqinirnut ihivriurningit unalu Havaariyauyut Ilitaridjutaat nutaannguqtiriaqaqqat kihiani.

INAC havaqatiginiagtangit TMAC Resources ihuaqhigiangani ihumaaluutiqarniqqata NWB Kavamanut Naalakhimatinnatik.

Koana
Thank you
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Merci

