



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

Canada



Outline

1. Roles and Responsibilities
2. INAC Inspections
3. Contributions to the Water Licence
Amendment Application Review
4. Technical Review
5. Conclusion



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



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

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



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



Doris Creek





Sedimentation Pond





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



4. Technical Review

Underground Disposal of Waste Rock and Tailings

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



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.



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.



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.





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.



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.

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