

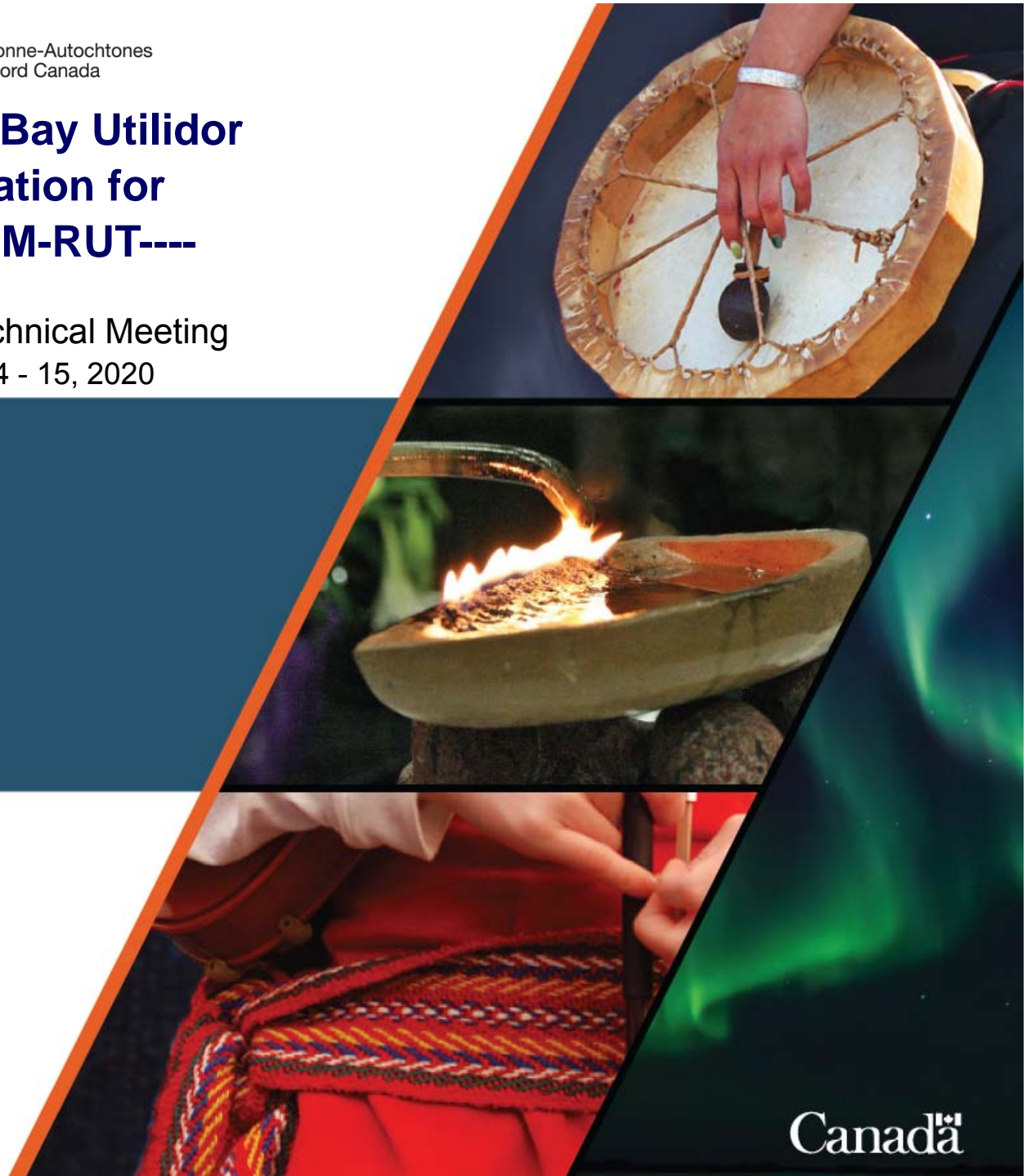


Crown-Indigenous Relations
and Northern Affairs Canada

Relations Couronne-Autochtones
et Affaires du Nord Canada

Hamlet of Resolute Bay Utilidor Renewal Application for Water Licence 3AM-RUT----

Nunavut Water Board Technical Meeting
Teleconference, July 14 - 15, 2020



Canada



Outline

- Role and Responsibilities
- Contributions to Application Review
- Topics of Technical Review:
 - Water supply
 - Infrastructure
 - Manuals and plans
 - Monitoring
- Comment Resolution Status
- Conclusion





Roles and responsibilities

Crown-Indigenous Relations and Northern Affairs Canada's (CIRNAC) responsibilities, mandate, and obligations stem from with the following:

- *Department of Crown-Indigenous Relations and Northern Affairs Act*
- Nunavut Agreement
- *Nunavut Land Claims Agreement Act*
- *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the associated regulations
- *Nunavut Planning and Project Assessment Act*
- *Territorial Lands Act* and the associated regulations
- *Arctic Waters Pollution Prevention Act*





Contributions to Application Review

CIRNAC made the following
submissions to the Nunavut Water
Board:

- Completeness assessment with
information requests: March 26,
2020
- Technical review with
recommendations: June 12, 2020





Technical Review

Water supply

Quantity of water requested should:

- meet community's needs
- respect Char Lake's replenishment capacity

Recommendation:

- 1) demonstrate how 150 000 m³/year will be adequate



Char Lake and pump house





Technical Review Infrastructure – I

Char Lake pump house is
being upgraded and
information is missing

Recommendations:

- 2.1) provide Environmental
Management Plan
- 2.2) provide Decommissioning
and Remediation Plan for old
structure
- 2.3) consider designs to ensure
pipe insulation integrity





Technical Review Infrastructure – II

Wastewater treatment plant construction is being planned and information is missing

Recommendations:

3.1) measure flows at pump house and macerator building

3.2) discuss sewage volumes to be diverted from airport lagoon

3.3) submit information on wastewater treatment plant design

3.4) renewed licence could include requirement to submit plans





Technical Review Infrastructure – III

Macerator and blue buildings
and sewage lagoon will need
to be reclaimed

Recommendation:

5) renewed licence could
include requirement to submit
plans

Leaks in utilidor laterals need
to be addressed

Recommendation:

6) describe how public will be
informed on how to get them
fixed





Technical Review Manuals and plans – I

Operation and maintenance manuals help ensure safety of workers and proper operation, and are currently missing

Recommendations:

- 4.1) provide manual for water treatment plant
- 4.2) provide manual for utilidor system
- 4.3) provide manual for sewage treatment addressing safety concerns in macerator building





Technical Review Manuals and plans – II

Quality Assurance/ Quality Control Plan has inadequacies

Recommendations:

- 8.1) update plan to address deficiencies
- 8.2) discuss addition of toxicity tests

Spill Contingency Plan has inadequacies

Recommendation:

- 9) update plan to address deficiencies





Technical Review Monitoring

Current licence requires monthly sampling of effluent at RUT-2. Sufficient data exist to define variability and spot outliers

Recommendation:

7) renewed licence could reduce sampling frequency at RUT-2 until water treatment plant is built





Comment Resolution Status

Recommendation	Resolved	Follow-up required	Unresolved
1		■ - GN-CGS	
2.1			■
2.2	■		
2.3	■		
3.1	■		
3.2	■		
3.3		■ - GN-CGS	
3.4		■ - NWB	
4.1	■		
4.2	■		
4.3		■ - GN-CGS	
5		■ - NWB	
6		■ - GN-CGS	
7		■ - NWB	
8.1	■		
8.2	■		
9		■	





Conclusion

The applicant has answered several of CIRNAC's information requests but our technical comments remain outstanding.

CIRNAC will continue to participate in the water licence application review process with the aim of protecting Nunavut's inland water resources while promoting responsible development.





Qujannamiik

Thank you

Merci

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