

Presentation Outline

- ➤ Role and Responsibilities
- ➤ Contributions to the Water Licence Application Review
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Roles and Responsibilities

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

- · 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



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Bell Sometherna Someth South Carrier Lacores Contributions to Water Licence Application Review CIRNAC made the following submissions to the Nunavut Water Board regarding application for Type "A" Water Licence 3AM-ARV---- by Hamlet of Arviat Completeness Check for Type "A" Water Licence Application: November 30, 2021 Technical Review Comments for Type "A" Water Licence Application: January 20, 2022 Reply to Government of Nunavut Department of Community and Government services (GN-CGS) Response on Completeness Check and Technical Review Comments for Type "A" Water Licence Application: March XX, 2022 [4] Some representations through Supplementations **Technical Review Comments** I. Over Capacity of the Solid Waste Management Facility (R-01) CIRNAC recommended that the Licensee provide the detailed steps that it plans to take to address the overcapacity issue at the solid waste management facility (SWMF) until such time as a new facility can be constructed. · Resolved: 8 **Technical Review Comments** II. Lagoon Effluent Discharge Rate (R-02) CIRNAC recommended that Licensee should clarify: • The retention time of the effluent in the lagoon to achieve

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treatment goals before manual discharge by pumping.

• The pumping rate from the lagoon discharge point to the

wetland treatment area.

· Resolved.

Technical Review Comments	
III. Effluent Parameters change Request	
(R-03) CIRNAC recommended that the licensee clarify the	MARIAN LANCE CONTRACTOR CONTRACTO
change in parameters being requested in the two documents	
and update the documents accordingly.	
Resolved with commitment	**************************************
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Technical Review Comments	
IV. Lagoon Seepage Control	
W. Eugoon occipage control	
(R-04) CIRNAC recommended that Licensee provide a	
detailed plan on how it intends to prevent seepage of the effluent into ground water in the event that localized thawing	
of the permafrost damages the impermeable liner.	
Resolved with commitment.	
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Technical Review Comments	
V. Monitoring Program Stations ARV-3, ARV-10 and ARV-11	CANADA CONTRACTOR CONT
(R-05) CIRNAC recommended that the licensee provide rationales as to why:	
the stations are being listed as "inactive", and;	
 the Licensee is requesting that ARV-10 and ARV-11 monitoring stations be deleted from the licence. 	
• Resolved;	
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Technical Review Comments

VI. Sludge Management Plan

(R-06) CIRNAC recommended that the Licensee update section 6 of its sewage treatment facility operation and maintenance plan to include acceptable methods of sludge disposal as required by the water licence.

· Resolved with commitment.



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Status of Technical Review Recommendations

	Resolved	Resolved by Commitment	
R-01	×	interesti in interesti interesti in interesti in interesti in interesti in interesti in interesti in interesti	
R-02	×		
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R-04		×	
F-1)5	×		
R-96		x	
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Summary of Next Steps

Resolved issues requiring further action are:

- (R-03): The Licensee commits to updating operation and maintenance (OM) plan to reflect BOD and TSS change request as 100 mg/L and 120 mg/L respectively.
- (R-04): The licensee commits to monitoring leaks via water levels in the wetland area and immediate repair liners
- (R-05): The Licensee commits to including the sludge management plan that will contain assessment and disposal techniques, as well as a disposal location into the new OM plan.



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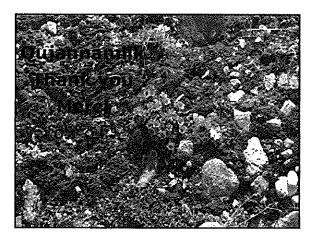
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Conclusion

 CIRNAC will continue to work through the water licence application review process with the aim of protecting Nunavut's inland water resources while promoting sustainable development.



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