

Whale Tail Expansion Project
Water Licence Amendment Application
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KIA – NTI
TECHNICAL REVIEW
of the
Water License



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Baker Lake, Nunavut.
February, 2020
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ᑦᑦᑦᑦᑦ, 2020



$\rho \leq c^{-\gamma} \Delta_{\partial} \Delta^c$ $b \geq \lambda^{\epsilon} b \cap \dot{r}^b d^c$ $\wedge c \leq \triangleleft^b h^{\epsilon} r^c$

- KIA represents Inuit, administers and monitors certain provisions of the Nunavut Final Agreement in the Kivalliq Region.
- KIA's mission is to represent Inuit in a fair and democratic manner in the development, protection, administration and advancement of their rights and benefits; and to promote economic, social, political and cultural well-being.
- The aim of Inuit Owned Land management is to administer IOL's so as to promote self-reliance and the cultural and social well-being of Inuit now and in the future.
- Inuit Owned Lands must be managed in such a way as to sustain and enhance the value of the lands.


$$\Delta L C n \sigma^b d^c \subset \Delta h^a \rho \Gamma^b \varphi \rho \Gamma \varphi \sigma^c b$$

- The purpose of our technical review was to ensure the project can operate in line with the potential impacts and benefits described through the concurrent impact assessment; and
- To ensure Inuit Qaujimajatuqangit (IQ) values and Traditional Knowledge (TK) were incorporated into impact determination, mitigation, project design and monitoring.



$\exists \sigma^c \exists \dot{\sigma}^c$ $\text{such that } \Delta L^c \leq b_{NL} \cdot d^c$

- A Technical Review of the water licence amendment application was submitted to NWB on September 16th, 2019.
- Our review highlighted 21 technical concerns, the majority of which followed directly from our completeness review submitted in July 2019.
- We raised several concerns with respect to understanding potential impacts to water quality and quantity from the expansion project
- We also raised several concerns pertaining to water management and mitigation



History and Current Status

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- Agnico Eagle and the KIA have worked to resolve our technical concerns with the project.
- As of the technical hearings in October 2019, 9 of the 21 issues were resolved.
- Agnico Eagle made new commitments during those hearings which have resolved most of our outstanding issues.
- Additional evidence was provided on January 30, 2020 in response to the KIA's final submission
- All KIA's previous technical issues have been resolved

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 $\supset \sigma \supset \rho^{\mathbf{c}} \mathbf{b} \supset \mathbf{c} \supset \mathbf{a} \cap \mathbf{b} \supset \rho^{\mathbf{a}} \mathbf{J} \subset \mathbf{c} \supset \mathbf{b} \supset \mathbf{d}^{\mathbf{c}} \supset \Delta \supset \mathbf{L} \supset \mathbf{L}^{\mathbf{a}} \supset \rho^{\mathbf{a}} \sigma^{\mathbf{b}}$

- KIA-WL-TC#1
Mercury concentrations in fish
- KIA-WL-TC#5
Thermal Modelling of Permafrost
- KIA-WL-TC#8
Addressing a Changing Climate in Project Design
- KIA-WL-TC#10
Implications of rock fracturing on groundwater volumes
- KIA-WL-TC#11
Alternative effluent discharge locations
- KIA-WL-TC#12
Early warning trigger development
- KIA-WL-TC#13
IVR High Pit Walls As Mitigation

[illegible]

- KIA-WL-TC#14
Fate of Equipment
- KIA-WL-TC#15
Inuit Input into Closure Objectives
- KIA-WL-TC#16
High TSS Concentrations during Construction
- KIA-WL-TC#17
Overburden for Closure
- KIA-WL-TC#19
Testing of used oil/waste fuel
- KIA-WL-TC#20
Conceptual fish habitat offsetting plan
- KIA-WL-TC#21
Waste Rock Storage Facility Design

[illegible]

- KIA-WL-TC#4
Uncertainty in Waste Rock Seepage Estimates
- KIA-WL-TC#7
Climate Change and Project Timeline
- Agnico Eagle provided additional evidence to support the water balance model
- Agnico Eagle has also demonstrated that Quarry 1 and Groundwater Storage Pond (GSP) 1 can provide the required capacity to manage excess contact water in the first year of the expansion project



- [illegible]



- Adaptive Management strategies were proposed for waste rock and water management. Specifically:
 - Permafrost aggradation
 - Surface water balance and active layer development
 - Receiving environment water quality
 - Surface water quantity
 - Underground water management
- The proposed measures are intended to minimize potential project related environmental impacts and ensure the site will be able to meet its closure objectives.



- KIA have reviewed the final iteration of the Plan to confirm it has been updated to incorporate KIA input provided in December 2019 and January 2020.
 - KIA are satisfied that the plan addresses their previous technical concerns
 - KIA wish to provide one additional technical comment on the Adaptive Management Plan

[illegible]

- Adaptive management measures for surface water quantity (Table 4 in the Adaptive Management Plan) should be implemented prior to reaching the maximum operational capacity of the water storage infrastructure.
- This concern applies both to Level 1 and Level 2 of the surface water quantity adaptive management strategy.
- We recommend Agnico Eagle begin implementing management strategies at 90% storage capacity withing the noted water management infrastructure

Security and Compensation

Security and Compensation



Security

- The KIA has worked with Agnico Eagle and Crown Indigenous Relations and Northern Affairs Canada to update the Security estimate for the Whale Tail Expansion Project.
- Total security is currently estimated by the KIA at \$50,663,508



Compensation

- The KIA and Agnico Eagle have had productive discussions to determine appropriate compensation for changes to water quality, quantity and flow as per Article 20 of the Nunavut Agreement.
- We are hopeful that our two parties will be able to come to an agreement

- [illegible]



Questions

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