



NIRB File No.: 08MN053

October 10, 2019

Her Worship Madeleine Redfern
Mayor
City of Iqaluit
P.O. Box 460
Iqaluit, NU X0A 0H0
Fax: (867) 979-5601

Sent via fax and email: mayorredfern@city.iqaluit.nu.ca

Re: Request for the Mayor of Iqaluit to Provide Opening Remarks at the Upcoming NIRB Public Hearing, November 2-6, 2019

Dear Ms. Madeleine Redfern:

The Nunavut Impact Review Board (NIRB or Board) has scheduled a Public Hearing in both Iqaluit and Pond Inlet from November 2-9, 2019 as part of the NIRB's assessment of the "Phase 2 Development" proposal submitted by Baffinland Iron Mines Corporation (Baffinland).

The NIRB would like to extend an invitation to the Mayor of Iqaluit to provide opening remarks at the start of the Iqaluit portion of the Public Hearing at 9:00 a.m. at the Royal Canadian Air Cadet Hall on **Saturday, November 2, 2019**.

The Public Hearing will allow members of the public, Inuit organizations, and government agencies to discuss the information presented by Baffinland in its project proposal and how the proposed Project would be expected to affect the environment and local communities of the Qikiqtani region.

We would appreciate the Mayor or an appropriate designate being available to provide brief opening remarks (5-10 minutes) to the meeting participants as well as welcoming all out of town guests to the community of Iqaluit for the Public Hearing.

A plain language summary of the proposed project activities in English, Inuktitut and French has been enclosed with this letter. In addition, all documentation associated with this project proposal is available online from the NIRB's public registry for the Phase 2 Development proposal at www.nirb.ca/project/123910.

If the Mayor or an appropriate designate will be available to provide opening remarks for the upcoming Public Hearing, please confirm with our office by **October 18, 2019** by contacting Solomon Amuno, Technical Advisor II, via email at samuno@nirb.ca, or by phone at (867) 983-4603.

The NIRB appreciates your assistance in planning for this Public Hearing.

Sincerely,

A handwritten signature in black ink that reads "Ryan Barry". The signature is written in a cursive style with a long horizontal line extending to the right from the end of the name.

Ryan Barry
Executive Director
Nunavut Impact Review Board

Enclosures (2): Project Summary (English, Inuktitut and French)
Final Public Hearing Agenda

PROJECT SUMMARY

THE PHASE 2 PROPOSAL

With the introduction of the Phase 2 Proposal, the Mary River Project will allow Baffinland to transport by rail and ship up to 12 Mtpa of ore from Milne Port, and to retain the current authorizations for the construction and operation of the Steensby Port and South (Mine to Steensby) Railway as proposed in 2012. The total mine production will eventually increase to 30 Mtpa, with 12 Mtpa being transported via the North Railway to Milne Port and 18 Mtpa transported via the South Railway to Steensby Port.

HIGHLIGHTS OF THE PHASE 2 PROPOSAL

Milne Port, the Mine Site, the Northern Transportation Corridor, and Shipping along the Northern shipping route are the four major Project components in the Phase 2 Proposal. The Phase 2 Proposal will involve the following additional facilities and activities:

Milne Port:

- Construction and operation of a second ore dock capable of berthing Cape-size ore carriers;
- Expansion of ore handling and stockpiling facilities;
- Railway and ore unloading infrastructure;
- A new ore crushing facility that will be indoors to reduce dust;
- An expanded camp and related facilities;
- An expanded power plant and installation of a wind turbine;
- A landfill;
- Increased shipping activities at the Port; and
- Increased shipping through Milne Inlet.

Mine Site:

- Increasing the mining rate to 12 million tonnes per year for transportation to Milne Port via the North Rail;
- Additional rail loading facilities for the North Railway;
- An expanded fuel tank farm;
- Installation of a wind turbine; and
- Expanded mine maintenance facilities and support administration buildings/facilities (warehouses, shops, etc.)

Mary River Transportation Corridor (Tote Road and North Railway):

- Construction of the railway embankment and railway;
- Construction of water crossings (4 bridges and 417 culverts);
- Construction and use of multiple laydown areas (up to 14), shelters and small equipment shops at each laydown;
- Use of the laydown area at km 58 as for starting transfer from ore haulage to rail and for commissioning the constructed portion of the rail line
- Construction and operation of four temporary camp pads and two mobile camps;
- Construction of several level crossings for the Tote Road; and
- Development and closure of up to 40 quarries along the railway corridor.

Shipping:

- Shipping during, between early July to mid-November; and
- Increased shipping frequency during open water period.

ORE PRODUCTS

The Mary River iron ore is of a very high-grade, and there is no need to have additional processing beyond crushing and sizing. Crushing and screening of the ore produce two iron ore “products”:

- a lump ore product in which the pieces of ore are between 6.3 mm and 31.5 mm in size (about golf ball size), and
- a fine ore product, in which the pieces of ore are less than 6.3 mm in size (about pea size).

CLOSURE AND POST-CLOSURE

Throughout all phases of the Project, Baffinland will plan and conduct operations in a manner designed to return the Project sites to a safe and environmentally stable condition. Baffinland will undertake ongoing reclamation activities throughout the mine life. Temporary facilities required for the construction camps will be decommissioned and removed at the end of their useful life. Borrow areas, quarries, temporary roads and other disturbed sites will be stabilized to limit erosion of ground surfaces and rehabilitated once they are no longer required. Environmental and safety monitoring will continue as long as necessary.

POTENTIAL FOR FUTURE DEVELOPMENT

The Phase 2 Proposal is designed to increase the production and transportation of iron ore to 12 Mtpa through Milne Inlet via the North Rail. The 18 Mtpa through Steensby Inlet via the South Rail is already approved. Annual production rates and the life of mine will vary with factors such as market conditions, ore grades and unanticipated events. All Project sites are thus capable of accommodating additional stockpiles, material handling equipment and personnel.

As well, regional exploration has enabled Baffinland to identify additional iron ore deposits that appear, based on surface sampling, to be of similar high-grade iron ore as Deposit No.1. Deposits No. 2 and No. 3 are located adjacent to Deposit No. 1 and have been investigated (drilled) more extensively than the other deposits. Given their close proximity to the current mine site, it is expected that these deposits will be developed either prior to or following exhaustion of ore in Deposit No. 1, utilizing much of the same Project infrastructure. Having the mine and associated shipping, road, and railway infrastructure in place will facilitate such future development in the region.

RÉSUMÉ DU PROJET

PROPOSITION DE MISE EN VALEUR DE LA PHASE 2

Dans le cadre de la proposition de phase 2, le projet de Mary River permettra à Baffinland de transporter par train et d'expédier par navire jusqu'à 12 millions de tonnes par année (Mt/a) de minerai à partir du port de Milne, et de conserver les autorisations actuelles relatives à la construction et à l'exploitation du port de Steensby et du chemin de fer sud (de la mine à Steensby), tel que cela a été proposé en 2012. La production minière totale finira par augmenter jusqu'à 30 Mt/a, 12 Mt/a étant transportées par le chemin de fer nord jusqu'au port de Milne et 18 Mt/a par le chemin de fer sud jusqu'au port de Steensby.

FAITS SAILLANTS DE LA PROPOSITION DE MISE EN VALEUR DE LA PHASE 2

Le port de Milne, le site minier, le corridor de transport nord et la voie navigable nord sont les quatre principales composantes du projet de la proposition de la phase 2. La proposition de la phase 2 comprendra les installations et les activités additionnelles suivantes :

Port de Milne :

- la construction et l'exploitation d'un deuxième quai minéralier où il est possible d'accoster des minéraliers Capesize;
- l'agrandissement des installations de manipulation et de stockage du minerai;
- l'infrastructure ferroviaire et de déchargement du minerai;
- une nouvelle installation de concassage du minerai qui sera à l'intérieur pour réduire la poussière;
- un agrandissement du camp et des installations connexes;
- un agrandissement de la centrale électrique et l'installation d'une éolienne;
- une décharge;
- un accroissement des activités de navigation au port;
- un accroissement de la navigation dans l'inlet Milne.

Site minier :

- l'accroissement du taux d'extraction jusqu'à 12 Mt/a pour le transport jusqu'au port de Milne par le chemin de fer nord;
- des installations additionnelles de chargement ferroviaire pour le chemin de fer nord;
- un agrandissement du parc de stockage du carburant;
- l'installation d'une éolienne;
- l'élargissement des installations d'entretien des mines et des immeubles de soutien administratif (entrepôts, ateliers, etc.).

Corridor de transport de Mary River (chemin Tote et chemin de fer nord) :

- la construction du talus de chemin de fer et de la voie ferrée;
- la construction de traverses de cours d'eau (4 ponts et 417 ponceaux);
- la construction et l'utilisation de plusieurs aires de dépôts (jusqu'à 14), d'abris et d'ateliers pour petit équipement à chaque aire;
- l'utilisation de l'aire de dépôts au kilomètre 58 pour commencer le transfert du transport routier au transport ferroviaire et pour la mise en service de la partie du chemin de fer qui est construite;
- la construction et l'exploitation de quatre plateformes de camp temporaires et de deux camps mobiles;
- la construction de plusieurs passages à niveau pour le chemin Tote;
- l'exploitation et la fermeture de jusqu'à 40 carrières le long du corridor ferroviaire.

Navigation :

- la navigation du début juillet à la mi-novembre;
- la hausse de la fréquence des navires pendant la période des eaux libres.

PRODUITS DE MINERAI

Le minerai de fer du projet de Mary River a une très forte teneur et ne nécessite pas de transformation outre le concassage et le calibrage. Le concassage et le triage du minerai permettent de produire deux « produits » de minerai de fer :

- le minerai en morceaux, les morceaux de minerai ayant une taille allant de 6,3 mm à 31,5 mm (environ la taille d'une balle de golf);
- le minerai à grains fins, les morceaux de minerai étant inférieurs à 6,3 mm (environ la taille d'un pois).

FERMETURE ET POSTFERMETURE

Pendant les phases du projet, Baffinland planifiera et réalisera ses activités de manière à remettre les sites du projet dans un état sécuritaire et stable sur le plan de l'environnement. Baffinland procédera à des activités de remise en état tout au long de la durée de vie de la mine. Les installations temporaires requises pour les camps de construction seront démantelées et retirées à la fin de leur vie utile. Les zones d'excavation, les carrières, les chemins temporaires et les autres sites perturbés seront stabilisés pour limiter l'érosion des surfaces de sol, et restaurés une fois qu'ils ne sont plus utiles. La surveillance de l'environnement et de la sécurité se poursuivra tant que cela sera nécessaire.

POTENTIEL D'EXPLOITATION DANS L'AVENIR

La proposition de la phase 2 est conçue pour accroître la production et le transport de minerai de fer jusqu'à 12 Mt/a dans l'inlet Milne au moyen du chemin de fer nord. La quantité de 18 Mt/a dans l'inlet Steensby par le chemin de fer sud est déjà approuvée. Les taux de production annuels et la durée de vie des mines varieront selon différents facteurs, comme les conditions du marché, la qualité du minerai et les imprévus. Tous les sites du projet pourront ainsi accueillir des dépôts en tas, l'équipement de manutention des matériaux et le personnel.

Aussi, l'exploration régionale a permis à Baffinland de trouver des gisements de minerai de fer additionnels qui semblent, selon l'échantillonnage de surface, être de teneur semblable au minerai de fer du dépôt n° 1. Les dépôts n° 2 et 3 sont adjacents au dépôt n° 1 et ont été explorés (forés) plus intensivement que les autres dépôts. Compte tenu de la grande proximité du site minier actuel, on prévoit que ces dépôts seront exploités avant ou après l'épuisement des réserves de minerai au dépôt n° 1, en utilisant en grande partie la même infrastructure. La mise en place d'une infrastructure de liaisons maritimes, routières et ferroviaires avec la mine facilitera l'exploitation future dans la région.

FINAL HEARING AGENDA

NIRB File No.: 08MN053 – Phase 2 Development Project Proposal
Proponent: Baffinland Iron Mines Corporation
Location: Cadet Hall, Iqaluit, NU and Community Hall, Pond Inlet, NU
Dates: November 2-6, 2019 (Iqaluit) and November 8-9 (Pond Inlet)

Times: **All times given are approximate. The order of presenters and time given for presentations are subject to change at the NIRB's discretion:**

Technical Sessions: 9:00 am – 5:00 pm
Community Roundtable Sessions: 9:00 am – 5:00 pm
Evening Sessions: 6:30 pm – 9:00 pm

Note (1): Witnesses appearing on behalf of the Proponent and registered Intervenors will be sworn in/affirmed and exhibits will be marked in advance of testimony being given. Panels of witnesses may be used for the presentation of evidence.

Note (2): All testimony will be recorded and transcribed by the Board and may also be recorded by the media.

Saturday November 2, 2019 – Iqaluit Day 1 of Technical Sessions (*including evening session*)

General Opening

1. Opening prayer
2. Welcoming Remarks by the Mayor of Iqaluit (or Delegate)
3. Opening Remarks by the Chairperson (*30 minutes*)
 - i. Identification of motions or objections
 - ii. Introductions, overview of procedural history, structure of proceedings, etc.
 - iii. Review of Agenda
 - iv. Housekeeping Items

Technical Session

4. Presentations by the Proponent. Time for questioning by Board Members and Intervenors will be provided immediately following presentations. Note that cumulative effects will be included in discussion for each item iv-vii below.
 - i. Introduction and Project Overview (*60 minutes*)
 - ii. Public Consultation and Inuit Qaujimaningit (*45 minutes*)
 - iii. Alternatives Assessment (*20 minutes*)
 - iv. Atmospheric Environment (*25 minutes*)

- v. Terrestrial Environment (65 minutes)
- vi. Freshwater Environment (25 minutes)
- vii. Marine Environment (65 minutes)

Close of Day 1

**Sunday, November 3, 2019 – Iqaluit
Day 2 of Technical Sessions**

Technical session (Continued from Day 1)

1. Opening Remarks by the Chairperson
2. Presentations by the Proponent. Time for questioning by Board Members and Intervenors will be provided immediately following presentations. Note that cumulative effects will be included in discussion for each item i-ii below.
 - i. Socio-Economics and Food Security Updates (50 minutes)
 - ii. Human Health and Exposure Potential Assessment (25 minutes)
 - iii. Adaptive Management, Management Plans and Monitoring Programs (45 minutes)
3. Presentations from registered Intervenors – Note: witnesses appearing on behalf of registered Intervenors will be sworn in/affirmed and exhibits will be marked in advance of testimony being given. Unless otherwise indicated, each Intervenors has been allotted up to 30 minutes for their presentations. Following each Intervenors presentation there will be time for questions by Board Members, other Intervenors and the Proponent.
 - i. Qikiqtani Inuit Association (30 minutes)
 - ii. Mittimatalik Hunters and Trappers Organization (30 minutes)
 - iii. Hamlet of Pond Inlet (30 minutes)
 - iv. Community of Igloodik (30 minutes)
 - v. Hall Beach Hunters and Trappers Organization (30 minutes)
 - vi. Government of Nunavut (30 minutes)

Close of Day 2

**Monday, November 4, 2019 – Iqaluit
Day 3 of Technical Sessions (including evening session)**

Technical session (Continued from Day 2)

1. Opening Remarks by the Chairperson
2. Presentations from registered Intervenors (*continued*)
 - i. Fisheries and Oceans Canada (30 minutes)
 - ii. Transport Canada (30 minutes)
 - iii. Parks Canada (30 minutes)

- iv. Crown-Indigenous Relations and Northern Affairs Canada (30 minutes)
- v. Environment and Climate Change Canada (30 minutes)
- vi. Health Canada (30 minutes)
- vii. Natural Resources Canada (30 minutes)
- viii. Oceans North (30 minutes)
- ix. World Wildlife Fund (30 minutes)
- x. Nunavut Independent Television Network (30 minutes)

Close of Day 3

Tuesday, November 5, 2019 – Iqaluit
Day 1 of Community Roundtable (including evening session)

General Opening

1. Opening prayer
2. Opening Remarks by the Chairperson

Community Roundtable Session

3. Presentation by the Proponent – **Introduction and Overview of Project** (90 minutes)
4. Questioning of the Proponent and Parties by community representatives and members of the public, organized by project components/activities
5. Presentations by members of the public who have advised the Chairperson that they wish to present.

Close of Day 4

Wednesday, November 6, 2019 – Iqaluit
Day 2 of Community Roundtable

General Opening (Continued from Day 4)

1. Opening prayer
2. Opening Remarks by the Chairperson

Community Roundtable Session

3. Questioning of the Proponent and Parties by community representatives and members of the public, organized by project components/activities
4. Presentations by members of the public who have advised the Chairperson that they wish to present.
5. Closing/summary Remarks by Community Members

Close of Day 5

**Friday, November 8, 2019 – Pond Inlet
Day 1 Community Roundtable**

General Opening (Continued from Day 5)

1. Opening prayer
Welcoming Remarks by the Mayor of Pond Inlet
Opening statement by QIA (*10 minutes*)
2. Opening Remarks by the Chairperson (*20 minutes*)
 - i. Identification of motions or objections
 - ii. Introductions, overview of procedural history, structure of proceedings, etc.
 - iii. Review of Agenda
 - iv. Housekeeping Items

Community Roundtable Session

3. Presentation by the Proponent – **Introduction and Overview of Project** (*90 minutes*)
4. Questioning of the Proponent and Parties by community representatives and members of the public, organized by project components/activities
5. Presentations by members of the public who have advised the Chairperson that they wish to present.
 - Pond Inlet Youth

Close of Day 6

**Saturday, November 9, 2019 – Pond Inlet
Day 2 Community Roundtable**

General Opening (Continued from Day 6)

1. Opening Remarks by the Chairperson

Community Roundtable Session (*continued*)

2. Questioning of the Proponent and Parties by community representatives and members of the public, organized by project components/activities
3. Presentations by members of the public who have advised the Chairperson that they wish to present.

Closing Remarks –Proponent and Intervenors

Close of Day 7