



June 23, 2014

File:L020

Simon Toogood
Environmental Assessment Officer
Mackenzie Valley Review Board
Box 938, #200 Scotia Centre 5102-50th Avenue
Yellowknife, NT, X1A 2N7

Rosanna Nicol and Marc Casas
Mackenzie Valley Land and Water Board
PO Box 2130
Yellowknife, Northwest Territories
X1A 2P6

Dear Mr. Toogood, Ms Nicol and Mr. Casas:

Re: Snap Lake Water Licence Amendment Environmental Assessment (EA1314-02) – Draft Records of Meetings with Communities, 2014 Snap Lake Mine Update

Attached please find draft records of meetings held in communities during May and June 2014, regarding ongoing and planned activities at the Snap Lake Mine. The meetings fulfil De Beers Canada Inc. (De Beers)' ongoing commitment to hold annual meetings in each of the affected communities. The proposed changes to the water licence, as are being considered by the Mackenzie Valley Review Board ("Review Board") were specifically discussed; however other aspects of ongoing mine operations were also discussed. Where discussions relate to Impact Benefit Agreements, these notes have been removed or redacted from this submission.

The following records are provided:

- Records of meetings, agenda and sign in sheets for meetings held for:
 - Behchoko Community, May 20
 - Wekweeti Community, May 23
 - North Slave Métis Alliance, Yellowknife, May 24
 - Northwest Territory Métis Nation, Hay River, May 26
 - Deninu Kué First Nation, Fort Resolution, May 27
 - Yellowknives Dene First Nation, Dettah, May 29
 - Gameti Community, June 12
 - Whati Community, June 13

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- Presentation and posters
- Invitation letters and community advertisement.

Note that these meeting records are “draft”, since they have not yet been approved by community representatives.

De Beers representatives also met with Chiefs of the Yellowknives Dene First Nation at the mine site on May 27, and with Tlicho Chiefs (Kweh Beh Working Group) in Yellowknife, on May 28. While aspects of the proposed water licence amendments were discussed, records of these meetings have not yet been reviewed for release.

De Beers is continuing to work with the Lutselk'e Dene First Nation to find a mutually suitable date to meet. A letter of invitation is attached.

Sincerely,

DE BEERS CANADA INC.



Erica Bonhomme
Environment Manager
Snap Lake Mine

Attachments

cc.	R. Bjornson	DKFN
	M. Tollis	LKDFN
	M. Hoover	NSMA
	T. Heron	NWTMN
	K. Garner	Tlicho
	T. Slack, S.Gault	YKDFN
	L. Seale	GNWT-Lands
	M. Adams	NPMO

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2014 Community Engagement Workshop
Tuesday May 20, 2014
Behchoko, NWT

Attendance:

- Elizabeth Biscaye, Superintendent of Community Relations
- Erica Bonhomme, Environment Manager, Snap Lake Mine
- Heidi Geustyn, Human Resources Manager, Gahcho Kué Project
- Craig Blackie, Superintendent - Aquatics, Gahcho Kué Project
- Sarah McLean, Environmental Assistant & Permitting Coordinator, Gahcho Kué Project
- Kiyomi Voytilla, Human Resources Administrator, Snap Lake Mine
- Kelly Eggers, Department of Fisheries and Oceans
- Doreen Apples, Community Liaison Officer

Agenda:

- Copy of Agenda

Supporting Materials:

- Attendance Sheet
- Presentation excerpt 2014 Snap Lake Mine Update

Discussion Summary:

*Note that only the discussion related to the Snap Lake Mine 2014 Update is provided below. A summary of other items discussed at this meeting are available by contacting a De Beers representative.

Question/Comment	DBC Response	How/Where Addressed
Very concerned about the quality of water because of the water issues at Snap Lake, particularly the salt content in the waters. What about the lakes with various levels of salt and how are these levels monitored?	The monitoring program for water at Snap Lake mine is very extensive. We are required to do this monitoring and its part of our commitment to protect the waters. Note: Evian water TDS=310 mg/L and San Pellegrino water TDS=914 mg/L were used to explain the amount of "salt" in	2013 Aquatic Effects Monitoring Program Design Plan ch. 4.

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Question/Comment	DBC Response	How/Where Addressed
	water.	
How would this affect the fish habitats and spawning? Participant was not aware about the different levels of salt in lakes and had also asked about animals that need water, how are they affected?	There are programs in place to ensure protection of environment. The studies we have done show that will not be effects to fish. Snap Lake will not become a "salty lake". The effects of discharging salts in water are localized and are monitored.	Snap Lake Water Licence Amendment Application Environmental Assessment: TDS Response Plan; DBC Response to Undertakings June 10, 2014
Elders should visit the sites at least three times a year to monitor the lakes and bring their findings back to people. This will give them some sort of comfort. This will also help with finding solutions to problems that may arise; this will also be a form of working together. In addition, participant emphasized how these waters and lakes are the lifeline to the people and animals which need to be preserved as much as possible. Now aware that salt water is an issue and a concern for everything the mine does and this impacts the people	The extent of the elder participation at community visits to the site will be determined by the respective groups. Communities are encouraged to identify Elders and Youth to attend.	Annual invitation to visit Snap Lake Mine; Snap Lake Environmental Monitoring Agency meetings.
Is the underground water acidic?	The pH, or acidity of the water is adjusted prior to being discharged to Snap Lake. Acidity (pH) is monitored at the discharge point, as well as throughout the mine site. These reports are provided monthly to the Mackenzie Valley Water Board as per their compliance requirements	Water Licence Annual Report; SNP Monthly Reports

UK + SL Community Workshop

Behehoko - May 20/14

✓ Gary Wedzin
✓ Diane Koyina
✓ Walter Mankla
✓ Peter Martin
✓ Joseph Nitsiza
✓ Patrick Black
✓ Katie Koyina
✓ William tatzia
✓ ~~Essey~~ A
✓ Charlie Fish
✓ George Lafferty
✓ Sam Lamoude
✓ Stanley Rabasca
✓ Chris Franki
✓ Peter Quitte
✓ Joseph FOOTBALL
✓ Harry Apples
✓ Rosa Mantla
✓ Lucy Lafferty
✓ Marv's Migwir
✓ George BeauLieu - Behchoko
✓ Edzo Liske
✓ Eddie Camille
✓ Alfred WHANE / Behchoko
✓ John Baptiste Lafferty

Adèle Camille ✓

Peter John Black ✓

Joyce Quitt ✓

~~Robert Thompson~~

Therese De Lafferty ✓

Francis Wahshi ✓

Pats Lamouelle ✓

Rex Lamouelle ✓

JOEL EYNKWO ✓

Patrick Tinch ✓

Frank Martin ✓

Daniel Daybon ✓

Gilbert Hantz ✓

William Apples ✓

Louis Chocolate ✓

James Rabesco ✓

GEORGE IMANTLA ✓

SANDY Plunk ✓

David Wedzin ✓

Christopher Black ✓

Gilbert Ntsize ✓

JOHN L. RADESCU ✓

Edward Bishop ✓

Francis William ✓

Phillip Dymock ✓

Alfred Chinko ✓

Joan Mank ✓

Larry Wancala ✓

Nick Football ✓

Jones Football ✓

Kelsey Mantle ✓

Beheheko

May 20/14

- Eddie Erasmus

Larry Rubies

392-6096

~~Heck~~ 2

Scott Richardson

Walter Mantla

Arelle Black.

~~George Whane~~

Louis Wexalloy

William D. Mantla

371-3544

392-6343

Alice Mantla

Johnny Naedze

Artie Frank

(867) 392-6295

467 392 6998

~~J. Giller~~

~~Rogelherb~~

~~Joe Mantla~~

~~Peter Weetzer~~

~~Gregory Black~~

Tyson Michel

~~Benny Mant~~

~~Edy Washie~~

Morris Blackduck.

Joe Nadli

(876) 392-6082

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De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Tlicho Communities
 May 20, 2014

Time	Item	Presenter
10:00	Opening Prayer	Tlicho
10:10	Introductions	Everyone
10:15	Opening Remarks – Tlicho & De Beers - Purpose of Workshop - Review of Agenda	Tlicho & Sabet Biscaye
10:30	Gahcho Kué Presentation - Caribou - Fish Out	Craig Blackie/Sarah
11:15	Break	
11:30	Gahcho Kué Update - Employment & Training - Business Development	Heidi Geustyn & Tim Harris
12:15	Lunch	
13:30	Snap Lake IBA Update - Employment & Training - Business Development - Social Investment	Sabet Biscaye/Doreen Apples
15:00	Break	
15:15	Open House/Interactive Workshop	
16:30	Closing Remarks - Review of Community Engagement schedule and approach	Tlicho & Sabet Biscaye
17:00	Closing Prayer	Tlicho
17:15	Meeting Ends	

LET'S TALK...

PUBLIC MEETING HOSTED BY DE BEERS

De Beers is hosting a public meeting to provide an update on environmental performance and permitting, business and employment opportunities. *Join us, we want to hear from you!*

COMMUNITY *Behchoko*

DATE *Tues., May 20, 2014*

TIME *10:00 am - 4:30 pm*

LOCATION *Culture Centre*

For more information, contact us by telephone at 1.867.766.7302 or by e-mail at elizabeth.biscaye@debeersgroup.com

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May 1, 2014

File : C- 095

Mr. Sonny Zoe
Chairperson, Kwe Beh Working Group
Tlicho Government
4308-50th Avenue
Yellowknife NT X1A 1B5

Via Fax: (867) 766 - 3441

Dear Mr. Zoe:

Spring 2014 Community Workshop

I would like to begin by thanking the Tlicho Government for their past participation in the workshops and meetings we have held where input was sought on activities being undertaken at Gahcho Kué and Snap Lake Mine. The Tlicho Government's active participation is valued and we hope to continue to build on the strong relationship we have and feel it is important to continue this momentum. It is with this in mind that we are requesting an opportunity to do a community workshop in the Tlicho communities this spring in order to further our conversation and provide an update on what is coming up at Gahcho Kué and Snap Lake.

Similar to the community workshops held in the spring of 2013, we are proposing a format that provides hands on information from several departments within De Beers. This would include our Permitting/Environment, Human Resources, Business Development and Aboriginal Affairs teams. There are several exciting opportunities on the horizon and we want to make sure that members of your community are aware of them. These community workshops will focus on the following:

Gahcho Kué

As you may be aware, De Beers had begun preliminary earthworks at Gahcho Kué in order to make use of the 2014 winter road. Our application for a Water License and Land Use Permit is currently before the Board and we anticipate a decision in the fall that will give us the approval to proceed with construction. This means that many jobs will be available in the coming year. We would like to provide an update on what these will be and what training opportunities will be available. Furthermore, the construction of Gahcho Kué will provide opportunities for local businesses to contribute to particular aspects of the operation and in anticipation of that, we would like to share information on what contracts are coming up.

DE BEERS CANADA INC.
SUITE 300, 5120 – 49th STREET, YELLOWKNIFE, NT X1A 1P8
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www.debeersgroup.com/canada

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Sonny Zoe
May 1, 2014
Page 2/

We also want to discuss environmental aspects of our operations and provide an update on how De Beers is addressing community concerns that have been raised in previous community and site workshops. For Gahcho Kué, we will be conducting a fish out of Kennady Lake and want to ensure the Tlicho communities are involved in the planning and the actual fishing and distribution of fish. We are also proposing to bring a representative from Fisheries and Oceans Canada to these community workshops to further discuss the proposed fish habitat offset plan for Gahcho Kué. The Tlicho communities participation in this discussion will not only ensure the plan is developed with Tlicho input but will also ensure their concerns are addressed.

Snap Lake Mine

Snap Lake is currently going through a water license amendment and we would like to discuss what this entails. We also wish to provide an update on how we are addressing challenges with water at our Snap Lake operations.

As noted above, representatives from our respective Human Resources and Business Development departments will be on hand to provide information on upcoming recruitment and training opportunities and contracting opportunities. Aboriginal Affairs staff will also be available to answer questions with regards to the implementation of the Snap Lake Impact Benefit Agreements.

Proposed Dates

The dates that we are proposing for these community workshops are for the week of May 20th and the week of May 26th. As we hope to visit a number of communities in this two week window, the dates will be on a first-come-first-serve basis. I realize this is short notice but we would like to conclude these community workshops before communities get busy with summer activities. I will be in contact with your office shortly to discuss this request.

Capacity Funding

De Beers is proposing a similar funding approach to the community workshops held in 2012 and 2013. Firstly, we plan to advertise the workshop as open to the public. However, we understand that elders and youth have particular experience, critical knowledge and important perspectives to share. To encourage active participation, De Beers will provide \$5,000.00 in capacity funding for this workshop. The capacity funding is intended to assist the Tlicho Government through involvement of your experts and/or provide honorariums to your designated participants at these workshops. Capacity funding will be provided to the Tlicho Government after the completion of the community workshop.

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Sonny Zoe
May 1, 2014
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De Beers understands the additional costs that come with hosting a community workshop and will therefore cover additional costs including: hall rental, sound system, and refreshments/meals for workshop participants. We will also arrange for interpreting services along with interpreting equipment. To this end, we will work with you to ensure the necessary invoicing is issued so that our accounting department can pay vendors in a timely manner.

De Beers is excited about the opportunity to continue the strong working relationship with Tlicho Government and look forward to coming to your community for another workshop this spring.

If you have any questions on this request or on the proposed community workshop, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 – 8516.

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

- c: Laura Duncan, Tlicho Executive Officer, Tlicho Government
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine
Ginger Gibson, Technical Coordinator, Kwe Beh Working Group

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2014 Community Engagement Workshop
Friday May 23, 2014
Wekweeti, NWT

Attendance:

- Elizabeth Biscaye, Superintendent of Community Relations
- Craig Blackie, Superintendent – Aquatics, Gahcho Kué Project
- Michelle Peters, Superintendent of Environment Monitoring, Snap Lake Mine
- Kelly Eggers, Department of Fisheries and Oceans
- Doreen Apples, Community Liaison Officer

Agenda:

- Copy of agenda

Supporting Materials:

- Attendance Sheet
- Presentation excerpt 2014 Snap Lake Mine Update

Discussion Summary:

*Note that only the discussion related to the Snap Lake Mine 2014 Update is provided below. A summary of other items discussed at this meeting are available by contacting a De Beers representative.

Question/Comment	DBC Response	How/Where Addressed
No Questions were asked, no concerns or issues brought forth.	n/a	n/a

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**De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Wekweeti
May 23, 2014**

SIGN IN SHEET

Name

Contact Info:

Roy Judas

Lisa Judas'

Grace Angel

RAMBO DRYNGER
713-2010

Leorse Arrowmaker

Celine Fyalkwo & Students.

Mami Adeli Football

Lucy Mhiza

Kathy Drogoski

Zayden Judas

Simon Lamouelle

Lilah Judas

Lyle Judas

Mackenzie Tsatchia

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De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Wekweeti
May 23, 2014

Time	Item	Presenter
10:00	Opening Prayer	Tlichó
10:10	Introductions	Everyone
10:15	Opening Remarks –De Beers <ul style="list-style-type: none">- Purpose of Workshop- Review of Agenda	Sabet Biscaye
10:30	Gahcho Kué Presentation <ul style="list-style-type: none">- Caribou- Fish Out	Craig Blackie, DBC Kelly Eggers DFO
11:15	Break	
11:30	Snap Lake Presentation	Michelle Peters
12:15	Lunch	
13:30	Snap Lake IBA Implementation Update <ul style="list-style-type: none">- Employment & Training- Business Development- Social Investment	Sabet Biscaye/Doreen Apples
15:00	Break	
15:15	Open House/Interactive Workshop	
16:30	Closing Remarks <ul style="list-style-type: none">- Review of Community Engagement schedule and approach- Door Prizes	Sabet Biscaye
17:00	Closing Prayer	Tlichó
17:15	Meeting Ends	

LET'S TALK...

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COMMUNITY *Wekweeti*

DATE *Friday, May 23, 2014*

TIME *10:00 am - 4:00 pm*

LOCATION *Youth Centre*

For more information, contact us by telephone at 1.867.766.7302 or by e-mail at elizabeth.biscaye@debeersgroup.com

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May 1, 2014

File : C- 095

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Similar to the community workshops held in the spring of 2013, we are proposing a format that provides hands on information from several departments within De Beers. This would include our Permitting/Environment, Human Resources, Business Development and Aboriginal Affairs teams. There are several exciting opportunities on the horizon and we want to make sure that members of your community are aware of them. These community workshops will focus on the following:

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Sonny Zoe
May 1, 2014
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Sonny Zoe
May 1, 2014
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We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

- c: Laura Duncan, Tlicho Executive Officer, Tlicho Government
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine
Ginger Gibson, Technical Coordinator, Kwe Beh Working Group

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NSMA Community Engagement
May 24, 2014; 9:00 AM
32 Melville Drive, Yellowknife, NT

Attendance:

- Veronica Chisholm, Permitting Manager, Gahcho Kué Project
- Craig Blackie, Permitting Superintendent – Aquatics, Gahcho Kué Project
- Sarah McLean, Environmental Assistant & Permitting Coordinator, Gahcho Kué Project
- Heidi Geustyn, Human Resources Manager, Gahcho Kué Project
- Elizabeth (Sabet) Biscaye, Superintendent of Community Relations, De Beers
- Shirley Tsetta, Community Liaison Officer, De Beers
- Erica Bonhomme, Environment Manager, Snap Lake Mine
- Kiyomi Voytilla, Human Resources Administrator, Snap Lake Mine
- Kelly Egger, DFO

Agenda:

- Copy of Agenda

Supporting Materials:

- Attendance Sheet
- Presentation excerpt 2014 Snap Lake Mine Update

Discussion Summary:

*Note that only the discussion related to the Snap Lake Mine 2014 Update is provided below. A summary of other items discussed at this meeting are available by contacting a De Beers representative.

Question/Comment	DBC Response	How/Where Addressed
What's the volume of the fuel tanks?	Erica: they will be 10 million litre tanks and that they will be filled to 90%. Currently, the biggest tanks we have on site are 12 million litre. We will build one this year and the other one the following year or year after.	Land Use Permit application MV2014D0010

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Question/Comment	DBC Response	How/Where Addressed
How long is the mine life, when is it to?	It is currently planned to 2028.	
Because there is more fuel, more machines will be used.	The increase in fuel demands are primarily for pumping, but can also support greater production.	Land Use Permit application MV2014D0010
Is this because more water will be coming into the mine?	As we open new areas of the mine, we also create more interconnectivity with Snap Lake above. That is where most of the water comes from.	Water Licence Amendment Application DBC Technical Session Presentations Day 1, April 15, 2014
How much kimberlite goes into the process plant a day?	Approximately 3,200 tonnes of ore per day.	n/a
If they are planning to backfill, could they add material to expand the fill? Certain cement-type materials expand.	Offered to come back and talk to NSMA about this further.	Suggest agenda item for Snap Lake Working Group.
Could you put barriers underground?	We did not come prepared to talk about the technology specifics, but generally, the topography and mine layout prevents uniform paste deposition underground. Some cement barriers have been put into place to retain material.	Suggest agenda item for Snap Lake Working Group.
Are there any living organisms in the pockets of ancient water? Such as bacteria?	Don't think so. Don't expect it in this type of rock, but an interesting question.	
Micro-organisms were found in some ancient water in Africa and that this should be looked into?	Will consider this.	
Can you provide some clarification on the proposed end of pipe limit?	The intent is that the water quality in Snap Lake is such that it won't harm aquatic life. We have determined that this is at least 684 mg/L TDS. We then back-calculate to determine what the	Water Licence Amendment Application DBC Technical Session Presentations Day 1, April 15, 2014

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Question/Comment	DBC Response	How/Where Addressed
	effluent limit should be so as not to exceed the lake quality. This is also 684 mg/L in this case. It is much easier to monitor effluent, because it is a tap at the water treatment plant.	
You say you can monitor every 2 hours and the discharge point on a monthly basis?	Conductivity is measured at the water treatment plant every 2 hours. This can be used as a surrogate for chloride but is not reportable. Samples of effluent are taken every 6 days and reported to regulators as a monthly average.	SNP Monthly Reports
Are evaporation rates taken into consideration?	Yes, and explained how. Overall, water from the surface, including runoff, evaporation and precipitation accounts for less than 1% of the overall water balance for the mine, so is largely inconsequential.	Snap Lake Water Licence Amendment Application; Snap Lake Site Water Balance Model Report
Do you have the TDS qualities of the underground ancient water? Can you install TDS treatment facilities?	Underground, we do not monitor for TDS, but for chloride, which is a component of TDS. The connate water ranges from 800 – 3,000 mg/L chloride. Installing facilities underground is technically extremely challenging and likely not possible.	Water Licence Joint Technical Session April 15-16.
When would De Beers need to begin treating water?	The aquatic life is not being harmed now and we have to rely on the Board to decide what is going to be a protective limit. We will meet that limit.	Water Licence Joint Technical Session April 15-16.

NSMA

Name

Contact Info

ARNOLD ENGE

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WAYNE LANGENHAN

N.S.M.A. } MATT

ED JONES

NSMA }

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Tony Whitford

tonywhitford@theedge.ca

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**De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
North Slave Métis Alliance
32 Melville Drive
May 24th, 2014**

Time	Item	Presenter
10:00	Opening Prayer	NSMA
10:10	Introductions	Everyone
10:15	Opening Remarks – NSMA & De Beers - Purpose of Workshop - Review of Agenda	Sabet Biscaye
10:30	Gahcho Kué Presentation - Caribou - Fish Out	Craig Blackie, DBC Kelly Eggers, DFO
11:15	Break	
11:30	Snap Lake Presentation	Erica Bonhomme
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13:30	Impact Benefit Agreement Update - Employment & Training - Business Development - Social Investment	Sabet Biscaye & Shirley Tsetta
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15:00	Break	
15:15	Open House/Interactive Workshop	
16:30	Closing Remarks - Review of Community Engagement schedule and approach	NSMA & Sabet Biscaye
17:00	Closing Prayer	NSMA
17:15	Meeting Ends	

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May 1, 2014

File: C- 095

Mr. Matt Hoover
Regulatory Analyst
North Slave Métis Alliance
P. O. 2301
Yellowknife NT X1A 2P7

Via Fax: (867) 699 - 7442

Dear Mr. Hoover:

Re: Spring 2014 Community Workshop

I would like to begin by thanking North Slave Métis Alliance for their past participation in the workshops and meetings we have held where your input was sought on activities being undertaken at Gahcho Kué and Snap Lake Mine. Your active participation is valued and we hope to continue to build on the strong relationship with your community and we feel it is important to continue this momentum. It is with this in mind that we are requesting an opportunity to do a community workshop in your community this spring in order to further our conversation and provide an update on what is coming up at Gahcho Kué and Snap Lake.

Similar to the community workshops held in the spring of 2013, we are proposing a format that provides hands on information from several departments within De Beers. This would include our Permitting/Environment, Human Resources, Business Development and Aboriginal Affairs teams. There are several exciting opportunities on the horizon and we want to make sure that members of your community are aware of them. These community workshops will focus on the following:

Gahcho Kué

As you may be aware, De Beers had begun preliminary earthworks at Gahcho Kué in order to make use of the 2014 winter road. Our application for a Water License and Land Use Permit is currently before the Board and we anticipate a decision in the fall that will give us the approval to proceed with construction. This means that many jobs will be available in the coming year. We would like to provide an update on what these will be and what training opportunities will be available. Furthermore, the construction of Gahcho Kué will provide opportunities for local businesses to contribute to particular aspects of the operation and in anticipation of that, we would like to share information on what contracts are coming up.

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Matt Hoover

May 1, 2014

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We also want to discuss environmental aspects of our operations and provide an update on how De Beers is addressing community concerns that have been raised in previous community and site workshops. For Gahcho Kué, we will be conducting a fish out of Kennady Lake and want to ensure your community is involved in the planning and the actual fishing and distribution of fish. We are also proposing to bring a representative from Fisheries and Oceans Canada to these community workshops to further discuss the proposed fish habitat offset plan for Gahcho Kué. Your community's participation in this discussion will not only ensure the plan is developed with your input but will also ensure your concerns are addressed.

Snap Lake Mine

Snap Lake is currently going through a water license amendment and we would like to discuss what this entails. We also wish to provide an update on how we are addressing challenges with water at our Snap Lake operations.

As noted above, representatives from our respective Human Resources and Business Development departments will be on hand to provide information on upcoming recruitment and training opportunities and contracting opportunities. Aboriginal Affairs staff will also be available to answer questions with regards to the implementation of the Snap Lake Impact Benefit Agreements.

Proposed Dates

The dates that we are proposing for these community workshops are for the week of May 20th and the week of May 26th. As we hope to visit a number of communities in this two week window, the dates will be on a first-come-first-serve basis. I realize this is short notice but we would like to conclude these community workshops before communities get busy with summer activities. I will be in contact with your office shortly to discuss this request.

Capacity Funding

De Beers is proposing a similar funding approach to the community workshops held in 2012 and 2013. Firstly, we plan to advertise the workshop as open to the public. However, we understand that elders and youth have particular experience, critical knowledge and important perspectives to share. To encourage active participation, De Beers will provide \$3,000.00 in capacity funding for this workshop. The capacity funding is intended to assist the North Slave Métis Alliance through involvement of your experts and/or provide honorariums to your designated participants at these workshops. Capacity funding will be provided to the North Slave Métis Alliance after the completion of the community workshop.

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Matt Hoover
May 1, 2014
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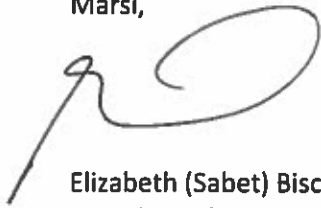
De Beers understands the additional costs that come with hosting a community workshop and will therefore cover additional costs including: hall rental, sound system, and refreshments/meals for workshop participants. If necessary, we will also arrange for interpreting services along with interpreting equipment. To this end, we will work with you to ensure the necessary invoicing is issued so that our accounting department can pay vendors in a timely manner.

De Beers is excited about the opportunity to continue the strong working relationship with the North Slave Métis Alliance and look forward to coming to your community for another workshop this spring.

If you have any questions on this request or on the proposed community workshop, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 – 8516.

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

c: Mr. Bill Enge, President, North Slave Métis Alliance
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine

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De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
NWT Metis Nation
Hay River, NT
Monday, May 26, 2014

Attendance:

Erica Bonhomme, Environment Manager, Snap Lake Mine
Heidi Geustyn, Manager, Human Resources, Gahcho Kué Project
Craig Blackie, Superintendent, Aquatics, Gahcho Kué Project
Elizabeth Biscaye, Superintendent, Community Relations
Kelly Eggers, Department of Fisheries and Ocean

Agenda:

- See attached

Supporting Materials:

- Presentation excerpt 2014 Snap Lake Mine Update

Discussion Summary:

*Note that only the discussion related to the Snap Lake Mine 2014 Update is provided below. A summary of other items discussed at this meeting are available by contacting a De Beers representative.

Question/Comment	DBC Response	How/Where Addressed
Does Snap Lake have the same waste rock pile as planned for Gahcho Kue?	No, the North Pile segregates waste rock from processed kimberlite. Waste rock, such as granite extracted during footwall development is used to construct the berms. Processed kimberlite slurry is deposited into cells in the center.	North Pile Management Plan (June 2014)
Will NWTMN have access to the concerns raised by the other groups?	A record of each meeting is being prepared and can be provided to the community. All records of meetings will be available on the public registries.	Draft records of meetings distributed for comment; ROMs submitted to Mackenzie Valley Review Board.
What is the purpose of adding more fuel tanks?	The mine will require more fuel primarily because the demands of	Land Use Permit application

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Question/Comment	DBC Response	How/Where Addressed
	handling more water; also, to support increased mining production.	MV2014D0010
Were the additional fuel demands anticipated in the EA?	No, the project description indicated 45 million litres, but now we know we need more, primarily because we need to pump more water out of underground to keep mine works safe. Approximately 43,000 cubic metres of water is pumped from the underground each day – that is a lot of pumps to power.	Snap Lake Diamond Project Consolidated Project Description, 2003; SNP Monthly Report.
Does the mine have 3 tanks now?	There are currently 2 x 12 ML tanks, plus 6 x 500 kL tanks, and 12 x 300 kL tanks on site for bulk diesel storage.	
Are the tanks individually bermed?	The existing tanks are not individually bermed, they meet regulatory requirements, in that they are designed to hold the volume of one tank, plus 10%.	LUP2010D0053
If 2 of the tanks rupture, will the spill go over the berm?	Theoretically, that could happen. However, with the new 10 ML tank installations, each tank will be individually bermed.	Land Use Permit application MV2014D0010
Earl asked how the contaminated soil is dealt with at site.	It is shipped off site in sealed drums. Originally there were plans to remediate contaminated soil on site, but the ongoing maintenance of the facility was deemed impractical for its amount of use.	Waste Management Plan

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Question/Comment	DBC Response	How/Where Addressed
What do you do with used or contaminated fuel/oil?	Some fuel can be re-used in other facilities. Waste oil can be burned or disposed of off site.	Waste Management Plan.
Is the underground water put through the water treatment plant?	All water at the mine – underground and from the water management pond, reports to the water treatment plant, where the sediment is removed and the pH is adjusted before being discharged to the lake. We don't treat for TDS.	Water Management Plan.
When was De Beers asked to do the studies?	The water license requires us to do toxicology studies. Development of the methodology was started back in 2011 when the license was renewed.	MV2011L2-0004
What was studied?	Developing water quality objectives required testing the response of aquatic organisms found in Snap Lake to progressively higher levels of TDS. We use organisms found in Snap Lake, and test them in water that is like Snap Lake's. We then document the concentration at which reproduction is affected in 20% of the sample of each of the species tested.	Water Licence Joint Technical Session April 15; TDS Response Plan.
How can the effluent be measured every day?	We can't measure the water in Snap Lake every day, but we can measure effluent every day, because we can open a valve in the pipe that comes out of the water treatment plant.	Slide #49 of presentation.
Does the salt content affect the ice?	The salt content in the lake is very little – much less than seawater, and more like bottled mineral water. When ice freezes, it rejects salts in the water, so the ice is not affected by salt in the water.	n/a
Is De Beers applying to discharge more water?	No, the amount of discharge isn't regulated – we need to monitor how much lake water we use, but not how much we discharge. Most of the water that is pumped out from	Snap Lake Groundwater Model (Itasca, 2013)

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Question/Comment	DBC Response	How/Where Addressed
	the mine comes into the mine from Snap Lake itself, since the mine is underneath the lake.	
Is the water treated before it is put back in the lake?	Yes, see response above.	See above.
Are Elders taken to site to taste the fish?	Yes, this is part of our Aquatic Effects Monitoring Program, and is usually done in September. The elders do the fishing, they clean the fish and then the fish is cooked over fire and boiled and that the elders are then asked to taste the fish without anything added. The elders share their comments when cleaning the fish and when tasting the fish. The comments deal with appearance of fish, the texture, note any abnormalities or sickness and taste. These are all noted by environment staff and a report is prepared.	Aquatic Effects Monitoring Program Design Plan; AEMP 2013 Annual Report.
What is the natural level of the salt in the lake?	The natural levels of TDS in the lake – measured before mining began, were around 10 mg/L. The salt levels in the lake now are similar to bottled water you can buy at the store – for example, Evian water has a TDS content of 310 mg/L, and San Pellegrino has TDS content of 914 mg/L. The studies we have done, as well as ongoing monitoring show that the higher levels of TDS are not harming the organisms in the lake.	AEMP 2013 Annual Report; Water Licence Amendment Application – Development of TDS Chronic Effects Benchmark for Aquatic Life in Snap Lake.
How do they determine what is acceptable limit?	The current limits are based on what was predicted to be the level of TDS in the lake. These were predictions from before mining began. The current limits are set by the Mackenzie Valley Land and Water Board and are on input from key groups/organizations and existing guidance such as the Canadian Council of Ministers of Environment. The proposed limits are being reviewed by scientific experts as well as anyone else who	n/a

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Question/Comment	DBC Response	How/Where Addressed
	wants to have input.	
Why they don't use Snap Lake water for testing?	The laboratories don't use Snap Lake water because the Snap Lake water composition will change before the test can be completed. IT is best that the water be made in the lab and then verified that the composition is the same as Snap Lake. This allows for very controlled testing.	Snap Lake Water Licence Amendment Application; Development of TDS Chronic Effects Benchmark for Aquatic Life in Snap Lake.
Repeated and prolonged exposure to salt can be harmful	Yes, although the levels that the fish are exposed to are quite low, and that fish are expected to adapt.	Snap Lake Water Licence Amendment Application; Development of TDS Chronic Effects Benchmark for Aquatic Life in Snap Lake.
When you first started mining, did you test the pH levels?	Yes, we have had to monitor a lot of different water quality parameters since mining began, and all throughout the mine site.	MV2011L2-0004, Surveillance Network Program
What happens when you stop mining?	The water quality in Lake will improve immediately once there is no more effluent discharge.	Snap Lake Water Licence Environmental Assessment De Beers Response to Undertakings June 11, 2014.
What is the diffuser for?	The diffusers help with mixing the effluent water into Snap Lake. It is a pipe with many holes in it. The design and installation has to be approved by DFO. (the location of the diffusers was shown on map)	MV2011L2-0004; approval for installation of 2 nd diffuser.
How did you come to the conclusion of 684 mg/L?	As a result of the testing that was completed to date, De Beers proposed the value that corresponded with the response of the most sensitive organism (<i>d. magna</i>). (Note that subsequent testing of <i>d.magna</i> has been completed)	Snap Lake Water Licence Amendment Application; Development of TDS Chronic Effects Benchmark for Aquatic Life in Snap Lake; Snap Lake Water Licence Environmental Assessment De Beers Response to Undertakings June 11,

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Question/Comment	DBC Response	How/Where Addressed
		2014.

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Question/Comment	DBC Response	How/Where Addressed
Will the effects over time be greater?	The effects won't be greater. The salt will continue to increase in Snap lake over time, but the organisms are also expected to adapt.	Snap Lake Water Licence Amendment Application; Development of TDS Chronic Effects Benchmark for Aquatic Life in Snap Lake
It doesn't seem right to raise the salt level if it wasn't projected and asked if it was projected.	At the time of the original environmental assessment, we didn't expect to encounter saline water underground. Our knowledge of the mine has improved greatly now that we have 9 years of monitoring data.	Snap Lake Water Licence Amendment Application; Snap lake Hydrodynamic and Water Quality Model Report.
How much water is pumped back into the lake?	90% of the water is pumped back into the lake. Approximately 10% is used in process and recycled.	Snap Lake Water Licence Amendment Application; Site Water Balance Report.
At what point do you taste the salt?	The Canadian Drinking Water Guidelines are based on results from a panel of testers that rated water with different amounts of TDS in it, based on taste. Water with TDS of 300-600 mg/L is rated as "good". When we stop mining, water will take about 4 years to be considered "good" according to this guide – but everyone may perceived this differently.	De Beers' response to information requests, April 30 2014.
This doesn't mean the salt went away, it just settled.	Actually, it dissipates into the environment through dilution primarily, and that by 44 km downstream, it will only just be detectable as something higher than background concentrations.	De Beers Supplemental Information, April 11, 2014.
What about sulfate levels?	These are not expected to be a concern.	Snap Lake Water Licence Amendment Application; Snap lake Hydrodynamic and Water Quality Model Report.
What is the level of salt in the sumps/ditches?	It's quite low. The salt comes from water underground, and 90 % of this water goes back to the lake.	SNP Monthly Report.

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Question/Comment	DBC Response	How/Where Addressed
Why is the slurry is not just trucked back underground?	We don't use trucks to haul ore, we use a conveyor to bring ore from underground to the surface and process plant. The North Pile is designed for slurry.	n/a
Are the sumps/ditches lined?	The sumps are engineered to collect and direct water to the water management pond. The ditches are not lined, as they are not meant to store water, but to direct it.	Water Management Plan.
. sked if geosynthetic liners are used.	Not sure. But for example, the last sump constructed was a concrete structure.	
sked about a map of the underground. t must be really dangerous underground	A slide was presented showing the underground layout. As for safety, the mine is regulated under the Mine Health and Safety Act, and there strict safety procedures/systems in place to minimize risk. Rock is held in place by installing bolts and screening.	
What about caribou tasting/hunting?	Generally, there are very few or no caribou at site. We have heard from some of the elders who have come to site mention that the landforms – such as lots of boulders - deter the caribou from coming to the area. <i>(there was disagreement with this statement)</i>	Snap Lake Mine 2013 Wildlife Effects Monitoring Program Annual Report.

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De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
NWT Metis Nation
Hay River, NT
May 26, 2014

SIGN IN SHEET

Name

Contact Info:

Tim Heron

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Darrell Loutit

Fort Smith - 872-0816

Kara King

FRMC

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Gary Blackie

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" 688-7904



**De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Deninu Kue First Nation
Fort Resolution, NT
Tuesday, May 27th, 2014**

Attendance:

Erica Bonhomme, Manager, Environment
Heidi Geustyn, Manager, Human Resources, Gahcho Kué Project
Craig Blackie, Superintendent, Aquatics
Elizabeth (Sabet) Biscaye, Superintendent, Community Relations
Sarah McLean, Environmental Assistant & Permitting
Kelly Eggers, Department of Fisheries & Ocean

Community participants – see attached list

Agenda:

- See attached

Supporting Materials:

- Presentation excerpt 2014 Snap Lake Mine Update

Discussion Summary:

*Note that only the discussion related to the Snap Lake Mine 2014 Update is provided below. A summary of other items discussed at this meeting are available by contacting a De Beers representative.

Question/Comment	DBC Response	How/Where Addressed
Did you put a dike in Snap Lake?	The kimberlite at Snap Lake is different from the other mines where it is shaped like a cone. The Snap lake kimberlite is squished sideways, and is under the lake, so we follow it underground instead of digging into it from above.	Snap Lake Mine Consolidated Project Description, 2003.
Is the water that goes back into Snap Lake is Snap Lake water?	Yes, most of it. A very small amount is groundwater from underground.	Snap Lake Water Licence Application – Groundwater Model (Itasca 2012)

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Question/Comment	DBC Response	How/Where Addressed
Will the underground mine be filled back in, otherwise the fish will go into it.	The plan is to fill the underground with a combination of kimberlite paste and water.	Snap Lake Water Licence Annual Report 2013: An Overview of Paste Tailings Disposal at the Snap Lake Mine <input type="checkbox"/>

DKFN

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**De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Deninu Kue First Nation
Fort Resolution, NT
May 27, 2014**

SIGN IN SHEET

Name	Contact Info:
Rosy Bjornson	394 4335 DKFN
Dennis MacKay	394, 4040
Fredrick King	
Stanley Louie	
Catherine Boucher	394-3208
DAVE Pierrot	394-3434
Robert Sayine	394-4114
Chris Balcells	394-5221
Chief Louis Balcells	(867-394-4335)
Leonard Beauchamp	867 394-5223
Henry Chisum	
Paul Manduric	867 394 7190
Kyle Giroux	867-876-1523
Andrew Edgerison	867-394-3190
Loretta Edgerison	867-394-4309
Mary Pierrot	867, 394-3494
Charlene Giroux	867 - 394 - 5222
Glen Collins	394-4556

Name

Contact Info:

Raymond Hivoux	445 - 0157
Rachel Duff	394-4946
Charles J. Hivoux	394-3004
Loyette Edjervin	394-4309
Darwin Clark	394 5044
George Curoux Jr	394 5222
André Lefebvre	
Eddy M. Lefebvre	394 3311
N. Beauclin	394-4556
Darin M. Lefebvre	394 688 0264
Jody Giroux	(m) 394-4012
Henry Mandeville	
Shirley Ann King	cell (587) 873-9545
Joyce Beach	394-5261
Liane Sayine	394-5312
VIOLET BEAUCHAMP	394-3009

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De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Deninu Kue First Nation
Tuesday, May 27th, 2014

Time	Item	Presenter
10:00	Opening Prayer	DKFN
10:10	Introductions	Everyone
10:15	Opening Remarks – DKFN & De Beers <ul style="list-style-type: none">- Purpose of Workshop- Review of Agenda	DKFN & Sabet Biscaye
10:30	Gahcho Kué Presentation <ul style="list-style-type: none">- Caribou- Fish Out	Craig Blackie, DBC Kelly Eggers, DFO
11:15	Break	
11:30	Snap Lake Presentation	Erica Bonhomme
12:15	Lunch	
13:30	Human Resources - Employment & Training <ul style="list-style-type: none">- Gahcho Kué- Snap Lake	Heidi Geustyn
14:15	Business Development <ul style="list-style-type: none">- Gahcho Kué- Snap Lake	
15:00	Break	
15:15	Open House/Interactive Workshop	
16:30	Closing Remarks <ul style="list-style-type: none">- Review of Community Engagement schedule and approach	Sabet Biscaye
17:00	Closing Prayer	DKFN
17:15	Meeting Ends	

LET'S TALK...

COMMUNITY UPDATE HOSTED BY DE BEERS

De Beers is hosting a community workshop for Deninu Kué First Nation members to provide an update on environmental performance and permitting, business and employment opportunities. Lunch is provided. Join us, we want to hear from you!

COMMUNITY *Fort Resolution*

DATE *Tuesday, May 27, 2014*

TIME *10:00 am - 5:00 pm*

LOCATION *Antoine Beaulieu
Memorial Hall*

For more information, contact us by
telephone at 1.867.766.7302 or by e-mail at
elizabeth.biscaye@debeersgroup.com

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May 1, 2014

File: C095

Ms. Rosy Bjornson
Resource Management Coordinator
Deninu Kue First Nation
P.O. Box 1899
Fort Resolution NT XOE OMO

Via Fax (867) 394- 5122

Dear Ms. Bjornson:

Spring 2014 Community Workshop

I would like to begin by thanking Deninu Kue First Nations for their past participation in the workshops and meetings we have held where your input was sought on activities being undertaken at Gahcho Kué and Snap Lake Mine. Your active participation is valued and we hope to continue to build on the strong relationship with your community and we feel it is important to continue this momentum. It is with this in mind that we are requesting an opportunity to do a community workshop in your community this spring in order to further our conversation and provide an update on what is coming up at Gahcho Kué and Snap Lake.

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Gahcho Kué

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Rosie Bjornson

May 1, 2014

Page 2/

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Snap Lake Mine

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As noted above, representatives from our respective Human Resources and Business Development departments will be on hand to provide information on upcoming recruitment and training opportunities and contracting opportunities. The External and Corporate Affairs staff will also be available to answer questions with regards to any community initiatives they may be involved in.

Proposed Dates

The dates that we are proposing for these community workshops are for the week of May 20th and the week of May 26th. As we hope to visit a number of communities in this two week window, the dates will be on a first-come-first-serve basis. I realize this is short notice but we would like to conclude these community workshops before communities get busy with summer activities. I will be in contact with your office shortly to discuss this request.

Capacity Funding

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Rosie Bjornson

May 1, 2014

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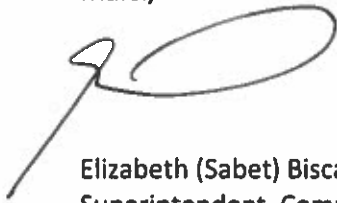
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De Beers is excited about the opportunity to continue the strong working relationship with Deninu Kue First Nation and look forward to coming to your community for another workshop this spring.

If you have any questions on this request or on the proposed community workshop, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 – 8516.

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

c: Chief Louis Balsillie, Deninu Kue First Nation
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine

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De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
NWT Métis Nation
Hay River, NT
Monday, May 26th, 2014

Time	Item	Presenter
13:00	Opening Prayer	NWTMN
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19:30	Closing Remarks <ul style="list-style-type: none">- Review of Community Engagement schedule and approach	Sabet Biscaye
20:00	Closing Prayer	NWTMN
20:15	Meeting Ends	

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May 1, 2014

File: C- 095

Mr. Tim Heron
IMA Coordinator
NWT Métis Nation
P.O. Box 720
Fort Smith NT X0E 0P0

Via Email: rcc.nwtmn@northwestel.net

Dear Mr. Heron:

Spring 2014 Community Workshop

I would like to begin by thanking the NWT Métis Nation for their past participation in the workshops and meetings we have held where your input was sought on activities being undertaken at Gahcho Kué and Snap Lake Mine. Your active participation is valued and we hope to continue to build on the strong relationship with your community and we feel it is important to continue this momentum. It is with this in mind that we are requesting an opportunity to do a community workshop in your community this spring in order to further our conversation and provide an update on what is coming up at Gahcho Kué and Snap Lake.

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Gahcho Kué

As you may be aware, De Beers had begun preliminary earthworks at Gahcho Kué in order to make use of the 2014 winter road. Our application for a Water License and Land Use Permit is currently before the Board and we anticipate a decision in the fall that will give us the approval to proceed with construction. This means that many jobs will be available in the coming year. We would like to provide an update on what these will be and what training opportunities will be available. Furthermore, the construction of Gahcho Kué will provide opportunities for local businesses to contribute to particular aspects of the operation and in anticipation of that, we would like to share information on what contracts are coming up.

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GROUP OF COMPANIES

Tim Heron
May 1, 2014
Page 2/

We also want to discuss environmental aspects of our operations and provide an update on how De Beers is addressing community concerns that have been raised in previous community and site workshops. For Gahcho Kué, we will be conducting a fish out of Kennady Lake and want to ensure your community is involved in the planning and the actual fishing and distribution of fish. We are also proposing to bring a representative from Fisheries and Oceans Canada to these community workshops to further discuss the proposed fish habitat offset plan for Gahcho Kué. Your community's participation in this discussion will not only ensure the plan is developed with your input but will also ensure your concerns are addressed.

Snap Lake Mine

Snap Lake is currently going through a water license amendment and we would like to discuss what this entails. We also wish to provide an update on how we are addressing challenges with water at our Snap Lake operations.

As noted above, representatives from our respective Human Resources and Business Development departments will be on hand to provide information on upcoming recruitment and training opportunities and contracting opportunities. The External and Corporate Affairs staff will also be available to answer questions with regards to any community initiatives they may be involved in.

Proposed Dates

The dates that we are proposing for these community workshops are for the week of May 20th and the week of May 26th. As we hope to visit a number of communities in this two week window, the dates will be on a first-come-first-serve basis. I realize this is short notice but we would like to conclude these community workshops before communities get busy with summer activities. I will be in contact with your office shortly to discuss this request.

Capacity Funding

De Beers is proposing a similar funding approach to the community workshops held in 2012 and 2013. Firstly, we plan to advertise the workshop as open to the public. However, we understand that elders and youth have particular experience, critical knowledge and important perspectives to share. To encourage active participation, De Beers will provide \$5,000.00 in capacity funding for this workshop. The capacity funding is intended to assist the NWT Métis Nation through involvement of your experts and/or provide honorariums to your designated participants at these workshops. Capacity funding will be provided to the NWT Métis Nation after the completion of the community workshop.

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Tim Heron
May 1, 2014
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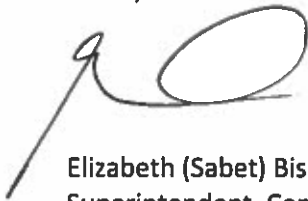
De Beers understands the additional costs that come with hosting a community workshop and will therefore cover additional costs including: hall rental, sound system, and refreshments/meals for workshop participants. If necessary, we will also arrange for interpreting services along with interpreting equipment. To this end, we will work with you to ensure the necessary invoicing is issued so that our accounting department can pay vendors in a timely manner.

De Beers is excited about the opportunity to continue the strong working relationship with NWT Métis Nation and look forward to coming to your community for another workshop this spring.

If you have any questions on this request or on the proposed community workshop, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 - 8516

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

c: Mr. Gary Bailey President, NWT Métis Nation
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine, DBC

DE BEERS

GROUP OF COMPANIES

De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Yellowknives Dene First Nation
Dettah, NT
Thursday, May 29th, 2014

Attendance:

Veronica Chisholm, Manager, Permitting, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine
Heidi Geustyn, Manager, Human Resources, Gahcho Kué Project
Tim Harris, Manager, Business Development
Craig Blackie, Superintendent, Aquatics, Gahcho Kué Project
Sarah McLean, Environmental Assistant & Permitting, Gahcho Kué Project
Terry Kruger, Communications Manager, De Beers
Shirley Tsetta, Community Liaison Officer
Kelly Eggers, Department of Fisheries & Ocean

Community participants – see attached list

Agenda:

- See attached

Supporting Materials:

- See attached powerpoint presentation
- PDF copy of presentation posters

Discussion Summary:

*Note that only the discussion related to Snap Lake is provided below.

Question/Comment	DBC Response	How/Where Addressed
Redacted (relates to IBA)	Redacted (relates to IBA)	

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Question/Comment	DBC Response	How/Where Addressed
Chief Eddie Sangris made a few closing comments. He said it was his desire that Snap Lake does not become the only salt water lake in the Arctic and also said he hoped that De Beers would not come back before the community in the future asking for additional changes.	No comment.	

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De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Yellowknives Dene First Nation
Dettah
May 29th, 2014

Time	Item	Presenter
4:00	Open House	De Beers
5:00	Dinner	Catered
6:00	Opening Prayer	YKDFN
6:10	Introductions	Everyone
6:15	Opening Remarks – YKDFN & De Beers - Purpose of Workshop - Review of Agenda	Angela Charlo & Shirley Tsetta
6:30	Impact Benefit Agreement Update - Employment & Training - Business Development - Social Investment	Shirley Tsetta
7:00	De Beers - Employment & Training - Business Development	Heidi Geustyn & Tim Harris
7:45	Gahcho Kue Environment Overview	Craig Blackie
8:00	Snap Lake Presentation	Erica Bonhomme
8:15	Break	
8:30	Closing Remarks - Review of Community Engagement schedule and approach	Craig Blackie
8:45	Closing Prayer	YKDFN
9:00	Meeting Ends	

DE BEERS

GROUP OF COMPANIES

May 01, 2014

File No.: C- 095

Ms. Shannon Gault
Director, Lands & Environment
Yellowknives Dene First Nation
P.O. Box 2514
Yellowknife NT X1A 2P8

Dear Shannon:

Spring 2014 Community Workshop

I would like to begin by thanking the Yellowknives Dene First Nation for their past participation in the workshops and meetings we have held where your input was sought on activities being undertaken at Gahcho Kué and Snap Lake Mine. Your active participation is valued and we hope to continue to build on the strong relationship with your community and we feel it is important to continue this momentum. It is with this in mind that we are requesting an opportunity to do a community workshop in your community this spring in order to further our conversation and provide an update on what is coming up at Gahcho Kué and Snap Lake.

Similar to the community workshops held in the spring of 2013, we are proposing a format that provides hands on information from several departments within De Beers. This would include our Permitting/Environment, Human Resources, Business Development and Aboriginal Affairs teams. There are several exciting opportunities on the horizon and we want to make sure that members of your community are aware of them. These community workshops will focus on the following:

Gahcho Kué

As you may be aware, De Beers had begun preliminary earthworks at Gahcho Kué in order to make use of the 2014 winter road. Our application for a Water License and Land Use Permit is currently before the Board and we anticipate a decision in the fall that will give us the approval to proceed with construction. This means that many jobs will be available in the coming year. We would like to provide an update on what these will be and what training opportunities will be available. Furthermore, the construction of Gahcho Kué will provide opportunities for local businesses to contribute to particular aspects of the operation and in anticipation of that, we would like to share information on what contracts are coming up.

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Shannon Gault
May 01, 2014
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We also want to discuss environmental aspects of our operations and provide an update on how De Beers is addressing community concerns that have been raised in previous community and site workshops. For Gahcho Kué, we will be conducting a fish out of Kennady Lake and want to ensure your community is involved in the planning and the actual fishing and distribution of fish. We are also proposing to bring a representative from Fisheries and Oceans Canada to these community workshops to further discuss the proposed fish habitat offset plan for Gahcho Kué. Your community's participation in this discussion will not only ensure the plan is developed with your input but will also ensure your concerns are addressed.

Snap Lake Mine

Snap Lake is currently going through a water license amendment and we would like to discuss what this entails. We also wish to provide an update on how we are addressing challenges with water at our Snap Lake operations.

As noted above, representatives from our respective Human Resources and Business Development departments will be on hand to provide information on upcoming recruitment and training opportunities and contracting opportunities. Aboriginal Affairs staff will also be available to answer questions with regards to the implementation of the Snap Lake Impact Benefit Agreements.

Proposed Dates

The dates that we are proposing for these community workshops are for the week of May 20th and the week of May 26th. I understand that when you spoke to Veronica Chisholm earlier, you had suggested May 29th as a possible date. I also understand that the YKDFN/Snap Lake Impact Agreement Committee has agreed to this date for their public briefing on the Impact Agreement Briefing. We will follow up with you directly to confirm this date. I realize this is short notice but we would like to conclude these community workshops before communities get busy with summer activities. I will be in contact with your office shortly to discuss this request.

Capacity Funding

De Beers is proposing a similar funding approach to the community workshops held in 2012 and 2013. Firstly, we plan to advertise the workshop as open to the public. However, we understand that elders and youth have particular experience, critical knowledge and important perspectives to share. To encourage active participation, De Beers will provide \$3,000.00 in capacity funding for this workshop.

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Shannon Gault
May 01, 2014
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The capacity funding is intended to assist the Yellowknives Dene First Nation through involvement of your experts and/or provide honorariums to your designated participants at these workshops. Capacity funding will be provided to the Yellowknives Dene First Nation after the completion of the community workshop.

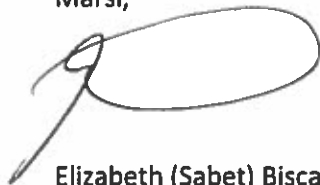
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De Beers is excited about the opportunity to continue the strong working relationship with the Yellowknives Dene First Nation and look forward to coming to your community for another workshop this spring.

If you have any questions on this request or on the proposed community workshop, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 – 8516.

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

- c: Chief Edward Sangris, Yellowknives Dene First Nation
Chief Ernest Betsina, Yellowknives Dene First Nation
Michael Cheeks, CEO, Yellowknives Dene First Nation
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine

DE BEERS

GROUP OF COMPANIES

2014 Community Engagement Workshop
Thursday June 12, 2014
Gameti, NWT

Attendance:

- Veronica Chisholm, Permitting Manager, Gahcho Kué Project
- Tim Harris, Manager of Business Development
- Kelly Eggers, DFO
- Alexandra Hood, Permitting Superintendent, Snap Lake Mine
- Doreen Apples, Community Liaison Officer, De Beers
- Melanie Wozencroft, Communications Assistant, De Beers
- Jonas Lafferty, Interpreter
- James Rabesca, Interpreter
- Lawrence Gon, Sound

Agenda:

- Agenda Copy

Supporting Materials:

- Attendance Sheet
- Presentation excerpt 2014 Snap Lake Mine Update

Discussion Summary:

*Note that only the discussion related to the Snap Lake Mine 2014 Update is provided below. A summary of other items discussed at this meeting are available by contacting a De Beers representative.

Question/Comment	DBC Response	How/Where Addressed
We are concerned about the environment; we would like to see the company continue to work with people and communities through regular updates. We also like to see smaller (snow) banks alongside the roads and airstrips this also includes winter roads, so	The community consultation is done through KBWG. This is KBWG's role however we do a lot of these consultations; example is "Nii Niye Yati". We encourage family visits to site, encourage involvement through regular consultation.	

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Question/Comment	DBC Response	How/Where Addressed
that this doesn't impact animals? He would like to see this updates and informational workshop continue.	Discuss Dewatering and refilling process Discuss Closure process: because of the securities of deposit made, if a cleanup were to happen, there is a closure plans in place to mitigate this hazards. There is a 3 year post closure plans.	
During the community consultation, when we encourage communities to be involved, this is done to ensure that there is no under planning or over planning. In recent years, due to climate change studies for future closure plans should be very detail?	You are right, these changes do occur, these concerns and topic have been identified and anticipated. We encourage youth involvement because these youth will one day be adults.	

Gameti Sign In Sheet - De Beers

Name

Signature

Pats Zee

Mabel Gon

George Taibone

Dary Kobasen

Antone Woldo

Stanley Gon

Arthur Kojima

Harley Wettrick

Wendy Danner

Clifford Wedamin

Kenneth Wedamin

Sabell Apple

Joe Zee

Janice Wettrick

Stanley Washie"

Rayne Wettrick

Eric Zee

Garry L Zee

Brenda Belkale

Edward Zee

Frank Zee

Walter Wedamin

Boris Eyakter

Lawrence Gon.

Mary Wettrick

Linda Thomas

ANGEL

Daphne

Charlie Gon

Alphonse Apple

Jessie Kojima

DE BEERS

GROUP OF COMPANIES

De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Gameti
June 12, 2014

Time	Item	Presenter
10:00	Opening Prayer	Tlicho
10:10	Introductions	Everyone
10:15	Opening Remarks –De Beers <ul style="list-style-type: none">- Purpose of Workshop- Review of Agenda	Veronica Chisholm
10:30	Gahcho Kué Presentation <ul style="list-style-type: none">- Caribou- Fish Out and AEMP	Craig Blackie, DBC Kelly Eggers DFO
11:15	Break	
11:30	Snap Lake Presentation	Erica Bonhomme
12:15	Lunch	
13:30	Snap Lake IBA Implementation Update <ul style="list-style-type: none">- Business Development- Social Investment	Doreen Apples
14:15	Human Resources - Employment & Training	Heidi Geustyn TBC
15:00	Break	
15:15	Open House/Interactive Workshop	
16:30	Closing Remarks <ul style="list-style-type: none">- Review of Community Engagement schedule and approach- Door Prizes	Veronica Chisholm
17:00	Closing Prayer	Tlicho
17:15	Meeting Ends	

LET'S TALK...

PUBLIC MEETING HOSTED BY DE BEERS

De Beers is hosting a public meeting and open house to provide an update on environmental performance and permitting, business and employment opportunities. *Join us*, we want to hear from you! Lunch will be provided.

COMMUNITY *Gameti*

DATE *Thurs., June 12, 2014*

TIME *10:00 am - 5:15 pm*

LOCATION *Community Hall*

For more information, contact us by
telephone at 1.867.766.7300 or by e-mail at
doreen.apples@debeersgroup.com

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May 1, 2014

File : C- 095

Mr. Sonny Zoe
Chairperson, Kwe Beh Working Group
Tlicho Government
4308-50th Avenue
Yellowknife NT X1A 1B5

Via Fax: (867) 766 - 3441

Dear Mr. Zoe:

Spring 2014 Community Workshop

I would like to begin by thanking the Tlicho Government for their past participation in the workshops and meetings we have held where input was sought on activities being undertaken at Gahcho Kué and Snap Lake Mine. The Tlicho Government's active participation is valued and we hope to continue to build on the strong relationship we have and feel it is important to continue this momentum. It is with this in mind that we are requesting an opportunity to do a community workshop in the Tlicho communities this spring in order to further our conversation and provide an update on what is coming up at Gahcho Kué and Snap Lake.

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Sonny Zoe
May 1, 2014
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Snap Lake Mine

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Proposed Dates

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Sonny Zoe
May 1, 2014
Page 3/

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De Beers is excited about the opportunity to continue the strong working relationship with Tlicho Government and look forward to coming to your community for another workshop this spring.

If you have any questions on this request or on the proposed community workshop, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 – 8516.

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

- c: Laura Duncan, Tlicho Executive Officer, Tlicho Government
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine
Ginger Gibson, Technical Coordinator, Kwe Beh Working Group

DE BEERS

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**2014 Community Engagement Workshop
Friday June 13, 2014
Whati, NWT**

Attendance:

- Erica Bonhomme, Environment Manager, Snap Lake Mine
- Craig Blackie, Permitting Superintendent – Aquatics, Gahcho Kué Project
- Tim Harris, Business Development Manager, De Beers
- Elizabeth Biscaye, Superintendent of Community Relations, De Beers
- Kelly Eggers, DFO
- Doreen Apples, Community Liaison Officer, De Beers
- Melanie Wozencroft, Communications Assistant, De Beers
- Jonas Lafferty, Interpreter
- James Rabesca, Interpreter
- Lawrence Gon, Sound

Supporting Materials:

- Attendance Sheet
- Presentation excerpt 2014 Snap Lake Mine Update

Discussion Summary:

*Note that only the discussion related to the Snap Lake Mine 2014 Update is provided below. A summary of other items discussed at this meeting are available by contacting a De Beers representative.

Question/Comment	DBC Response	How/Where Addressed
No questions were raised during the presentation, however there was some one-on-one discussion after the meeting related to general mine operations	n/a	n/a

Whati Sign in Sheet

Name

Gerry NITSIZA

David Nitsiza

Joel Nitsiza

Russell Mantla

Freddie Flunkie

Katie Wiedzin

Frankie Nitsiza Sr

Matthew Jeremickia

Russell Nitsiza

~~Samuel Nitsiza~~

Anthony Beaulieu

Elvis Jeremickia

Matthew Nitsiza

Larry Rabesca

Fred Simpson

Georgina Beaulieu

Mary Jane Simpson

Way Romi

Maxine Bishop

Dale Drybonds

Karan Bernice Nitsiza

~~Michael Nitsiza~~

Paul Flynn

Tom Nitsiza

Edie Nitsiza

Bernice Beaulieu Bernice

DE BEERS

GROUP OF COMPANIES

De Beers 2014 Update Workshop
Gahcho Kué Project & Snap Lake Mine
Whati
June 13, 2014

Time	Item	Presenter
10:00	Opening Prayer	Tlicho
10:10	Introductions	Everyone
10:15	Opening Remarks –De Beers <ul style="list-style-type: none">- Purpose of Workshop- Review of Agenda	Veronica Chisholm
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LET'S TALK...

PUBLIC MEETING HOSTED BY DE BEERS

De Beers is hosting a public meeting and open house to provide an update on environmental performance and permitting, business and employment opportunities. *Join us*, we want to hear from you! Lunch will be provided.

COMMUNITY *Whati*

DATE *Friday, June 13, 2014*

TIME *10:00 am - 5:15 pm*

LOCATION *Johnny Nitsiza
Cultural Centre*

For more information, contact us by
telephone at 1.867.766.7300 or by e-mail at
doreen.apples@debeersgroup.com

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DE BEERS

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May 1, 2014

File : C- 095

Mr. Sonny Zoe
Chairperson, Kwe Beh Working Group
Tlicho Government
4308-50th Avenue
Yellowknife NT X1A 1B5

Via Fax: (867) 766 - 3441

Dear Mr. Zoe:

Spring 2014 Community Workshop

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Sonny Zoe
May 1, 2014
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DE BEERS

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Sonny Zoe
May 1, 2014
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If you have any questions on this request or on the proposed community workshop, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 – 8516.

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

- c: Laura Duncan, Tlicho Executive Officer, Tlicho Government
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine
Ginger Gibson, Technical Coordinator, Kwe Beh Working Group

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May 1, 2014

File: C - 095

Mr. Mike Tollis
Manager, Lands & Wildlife
Lutsel K'e Dene First Nation
P. O. Box 28
Lutsel K'e NT X0E 1A0

Dear Mr. Tollis:

Spring 2014 Community Workshop

De Beers is writing to request that a joint Snap Lake and Gahcho Kué Workshop be held in your community this spring. The purpose of the workshop is to further our conversation and provide an update on what is coming up at Gahcho Kué Project and Snap Lake Mine.

Similar to the community workshops we held in the spring of 2013, we are proposing a format that provides hands on information from several departments within De Beers. This would include our Permitting/Environment, Human Resources, Business Development and Aboriginal Affairs teams. There are several exciting opportunities on the horizon and we want to make sure that members of your community are aware of them. These community workshops will focus on the following:

Gahcho Kué

As you may be aware, our application for a Type A Water License and Land Use Permit is currently before the Mackenzie Valley Land and Water Board and we anticipate a decision in the fall that will provide the necessary permits to proceed with mine construction. This means that jobs will be available in the coming year. We would like to provide an update on what these will be and what training opportunities will be available. Furthermore, the construction of Gahcho Kué will provide opportunities for local businesses and we would like to review the process.

We also want to discuss environmental aspects of our operations and provide an update on how De Beers is addressing community concerns that have been raised in previous community and site workshops. For Gahcho Kué, we will be conducting a fish-out of Kennady Lake and want to ensure your community is involved in the planning and the actual fishing and distribution of fish. We are also proposing to bring a representative from Fisheries and Oceans Canada to these community workshops to further discuss the proposed fish habitat offset plan for Gahcho Kué. Your community's participation in this discussion will provide an opportunity to discuss these plans.

DE BEERS CANADA INC.
SUITE 300, 5120 – 49th STREET, YELLOWKNIFE, NT X1A 1P8
TEL: 1 (867) 766-7300 FAX: 1 (867) 766-7347
www.debeersgroup.com/canada

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Mike Tollis
May 1, 2014
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Snap Lake Mine

Snap Lake is currently going through a water license amendment and we would like to discuss what this entails. We also wish to provide an update on how we are addressing challenges with water at our Snap Lake operations.

As noted above, representatives from our respective Human Resources and Business Development departments will be on hand to provide information on upcoming recruitment and training opportunities and contracting opportunities. There is currently a separate IBA Community Briefing scheduled by the Lutsel K'e/Snap Lake IBA Committee for May 23rd. If the community workshop is agreed to and scheduled for another day, I will be there to answer questions with regards to the implementation of the Snap Lake Impact Benefit Agreement.

Proposed Dates

The dates that we are proposing for these community workshops are for the week of May 20th and the week of May 26th. As we hope to visit a number of communities in this two week window, the dates will be on a first-come-first-serve basis. I realize this is short notice but we would like to conclude these community workshops before communities get busy with summer activities. I will be in contact with your office shortly to discuss this request.

Capacity Funding

De Beers is proposing a similar funding approach to the community workshops held in 2012 and 2013. Firstly, we plan to advertise the workshop as open to the public. However, we understand that elders and youth have particular experience, critical knowledge and important perspectives to share. To encourage active participation, De Beers will provide \$3,000.00 in capacity funding for this workshop. The capacity funding is intended to assist the Lutsel K'e Dene First Nation through involvement of your experts and/or provide honorariums to your designated participants at these workshops. Capacity funding will be provided to the Lutsel K'e Dene First Nation after the completion of the community workshop.

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Mike Tollis
May 1, 2014
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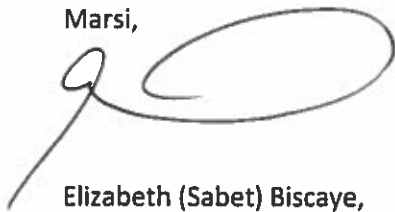
De Beers understands the additional costs that come with hosting a community workshop and will therefore cover additional costs including: hall rental, sound system, and refreshments/meals for workshop participants. We will also arrange for interpreting services along with interpreting equipment. To this end, we will work with you to ensure the necessary invoicing is issued so that our accounting department can pay vendors in a timely manner.

In closing, De Beers sincerely hopes that the Lutsel K'e Dene First Nation will accept our offer to provide a spring 2014 community Workshop. We regard this as an opportunity to build a strong working relationship with the community. Your active participation is valued and we would like to be able to work with the community again. We would certainly be open to discussing the workshop dates, format and agenda.

If you have any questions on this request or on the proposed community workshop format, please contact me at (867) 766 – 7302 or on my cell phone at (867) 688 – 8516.

We look forward to hearing from you.

Marsi,



Elizabeth (Sabet) Biscaye,
Superintendent, Community Relations

c: Chief DoraENZOE, Lutselk'e Dene First Nation
Veronica Chisholm, Permitting Manager, Gahcho Kué Project
Erica Bonhomme, Manager, Environment, Snap Lake Mine, DBC

Appendix A

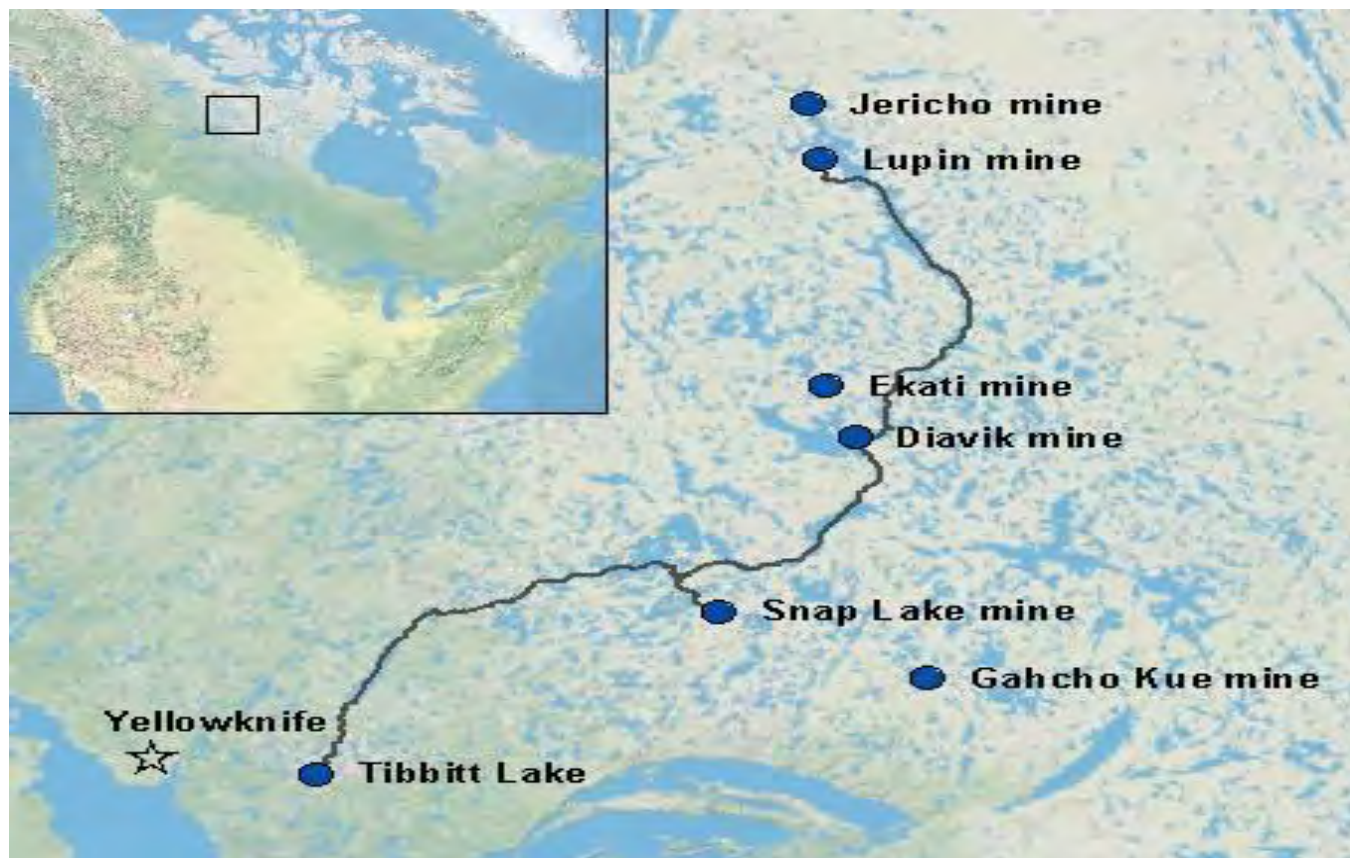
Community Workshop Presentation

Gahcho Kué & Snap Lake

20.05.2014

1. Purpose of Workshop – Sabet Biscaye
2. Gahcho Kué Update – Craig Blackie/Sarah McLean/Kelly Egger
 - Fish Out
 - Caribou
 - Department of Fisheries and Ocean
4. Snap Lake Update – Erica Bonhomme
5. Snap Lake IBA Implementation – Sabet Biscaye/Doreen Apples
6. Human Resources – Heidi Geustyn/Kiyomi Voytilla
 - Employment & training
7. Open House/Interactive Workshop
8. Closing Remarks

Map



Snap Lake Mine Update

Key Topics Covered

- Overview of key projects underway in 2014
 - Additional Fuel Storage
 - Design of West Cell of the North Pile
- Overview of Water License Amendment Application
- Water Management at Snap Lake Mine
- Planned Engagement for 2014

Snap Lake Mine Overview

SNAP LAKE MINE

- 1 Air Strip
- 2 Crusher/Waste Management
- 3 AN Storage
- 4 Emulsion Plant
- 5 Starter Cell (North Pile)
- 6 East Cell (North Pile)
- 7 Fuel Storage
- 8 Tire Shop
- 9 Fresh/Fire Water Pump
- 10 Cement Storage
- 11 Satellite Mobile Shop
- 12 Fresh Air Raise (FAR)
- 13 Satellite Welding Shop
- 14 Satellite Mine Shop
- 15 Mine Portal
- 16 Ore Conveyor
- 17 Diffuser
- 18 WTP Power House
- 19 Heated Storage
- 20 Main Shops/Warehouse
- 21 Mine Dry/Admin
- 22 Accommodation Facility
- 23 Water Management Pond
- 24 Lay Down/Cold Storage
- 25 Organic Waste Collection
- 26 Process Plant



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Fuel Storage Tank Project

- Plan to add 20 ML additional fuel storage capacity
 - 10 million Liter tank to be constructed in 2014
 - a second 10 million liter tank to be installed in 2015 or later
- Additional capacity required due to fuel demands of water management system and ongoing mining
- Proposed to be located adjacent to existing Fuel Storage area
 - Approximately 100 m from Snap Lake
- Placed within 110% Containment as per Environment Canada Regulations

Tank Location



Current Activities

- Drilling to assess bedrock has been completed
- Secondary containment and foundation designs preliminary designs
- Application to amend Land Use Permit submitted in April. Comments due June 5
- Steel plate and structures are on site
- Explosives and liner materials have been purchased

North Pile – West Cell Development

- Surface storage facility for processed Kimberlite and waste rock
- Accepts all material that potentially may be produced by mining activities
- Continuous operation during mining
- Will remain stable during construction, operation, closure and post closure of the project
- Designed like a coffee filter to allow water to flow out of the material and be collected and treated prior to discharge

North Pile: West Cell Development

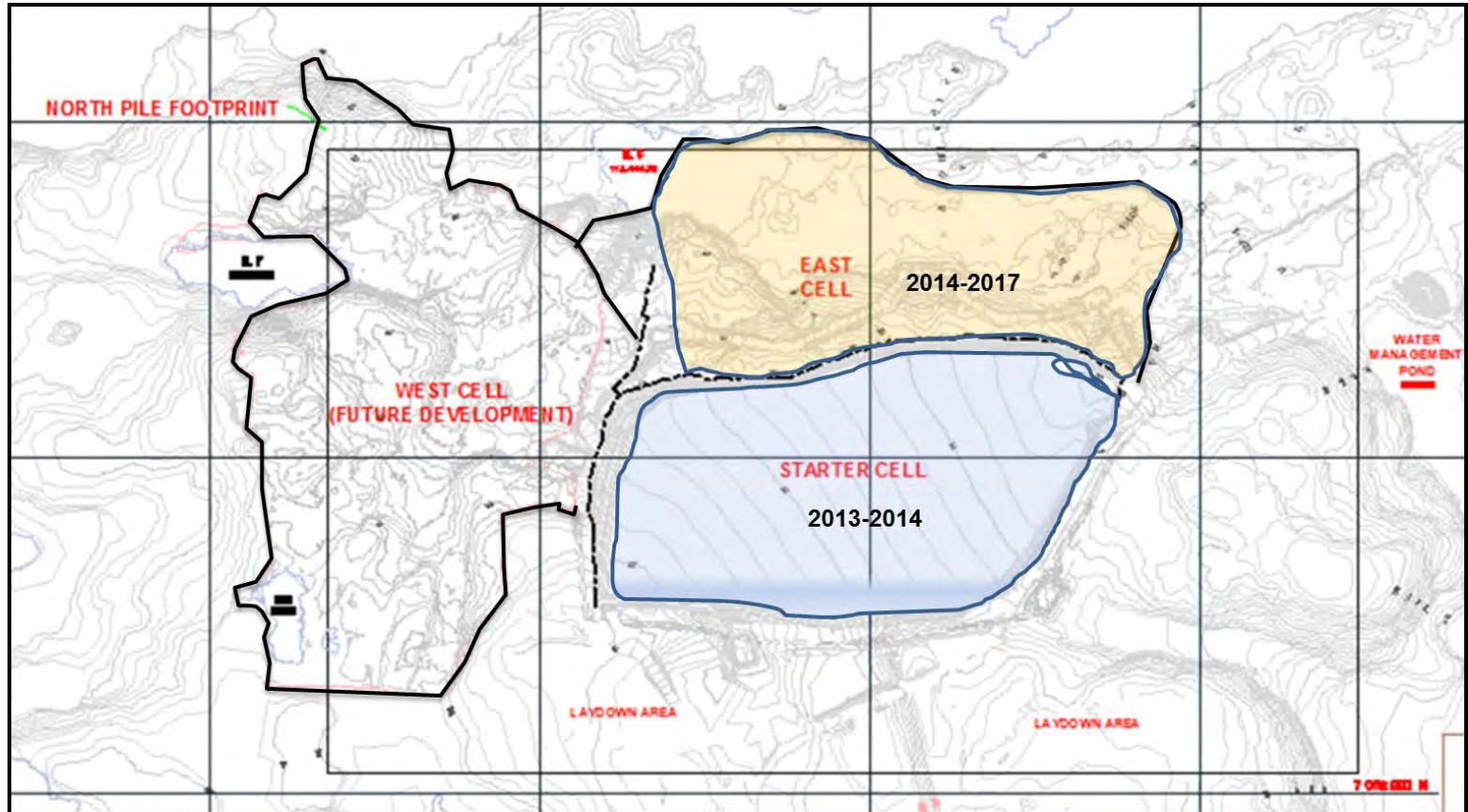


North Pile – West Cell Development

- Starter Cell construction began in 2004. Deposition will be complete in 2014.
- East Cell construction began in 2012. Deposition will begin in 2014 and will continue to 2017.
- West Cell design is underway, with construction planned to begin 2015.
- Configuration is in accordance with Land Use Permit, Water License and Dam Safety Guidelines.
- Requires extension of water management system (sumps)



North Pile – West Cell Development



West Cell Construction

- Long term plan for the North Pile is currently under review, including consideration of future size, height and configuration
- Snap Lake is assessing research completed to date on underground PK paste deposition
- Results of technical studies and deposition trials were summarized as a supplement to the Water License Annual Report on March 31

Water License Amendment Application

- Submitted December 2013
- De Beers is applying to change the quality of water allowed to be discharged to Snap Lake
- Supported by water modeling studies and studies of the effects on aquatic life in Snap Lake
- Application is undergoing a coordinated review by the MVLWB and Review Board
- Technical sessions were held April 15-16

Introduction to TDS and Limits at Snap Lake

- Total Dissolved Solids (TDS) is a measurement of the amount of ‘salts’ (including chloride and fluoride) in water
- As mining proceeds, saltier water is released underground. The amount of “salt” is similar to that in mineral water
- Salts are naturally occurring; however, too much salt in water can be damaging to aquatic life

Water License MV2011L2-0004 and TDS

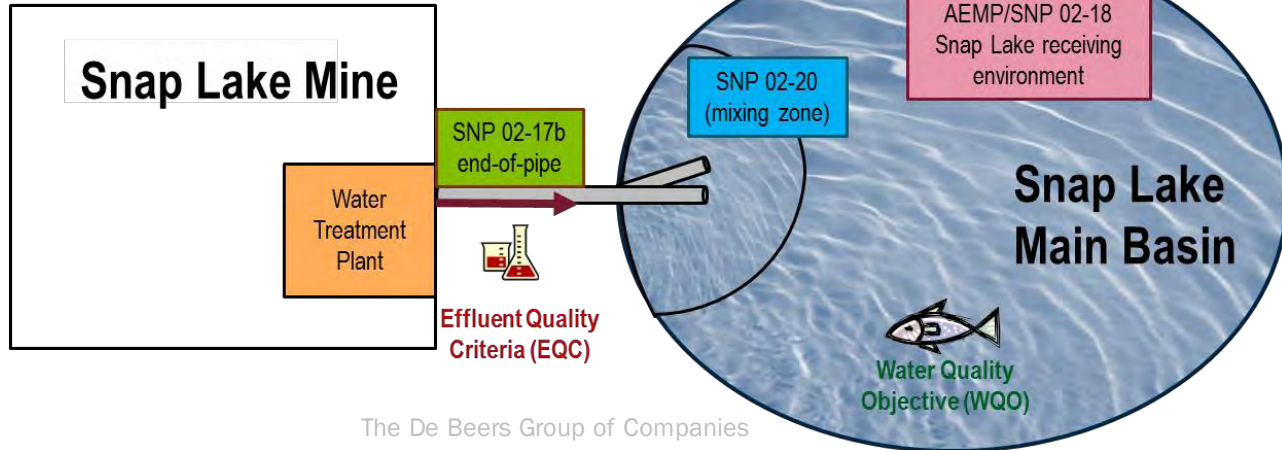
- Snap Lake's Water Treatment Plant treats for sediment (TSS) and adjusts pH of water – it does not treat for salts (TDS), ammonia or nitrates
- TDS within Snap Lake increases as treated mine water is released into the lake
- The current water license specifies that the TDS limit Snap Lake is not to exceed 350 mg/L
- This limit is not based on how much TDS aquatic life within Snap Lake can tolerate (a site-specific benchmark), since these studies were not complete at the time
- Recent site-specific studies demonstrate that Snap Lake can handle a higher TDS load without effect on the environment

Water License MV2011L2-0004 and TDS

- License required TDS Response Plan (among others) to be submitted for approval by December 31, 2013
- The Plan was to recommend:
 - “...appropriate Water Quality Objectives for TDS, Chloride and Fluoride in Snap Lake derived from toxicity testing...”; and,*
 - “...EQCs for TDS, Chloride and Fluoride, to be applied at SNP station 02-17 that would ensure protection of aquatic life in Snap Lake.”*
- There are no national water quality guidelines for TDS
- The conclusions of these required toxicity studies has led De Beers’ to recommend site-specific water quality objectives (SSWQOs) for Snap Lake, and new (higher) EQCs for TDS, Chloride and Fluoride
- The recommended SSWQOs and EQCs are the foundation of the amendment application

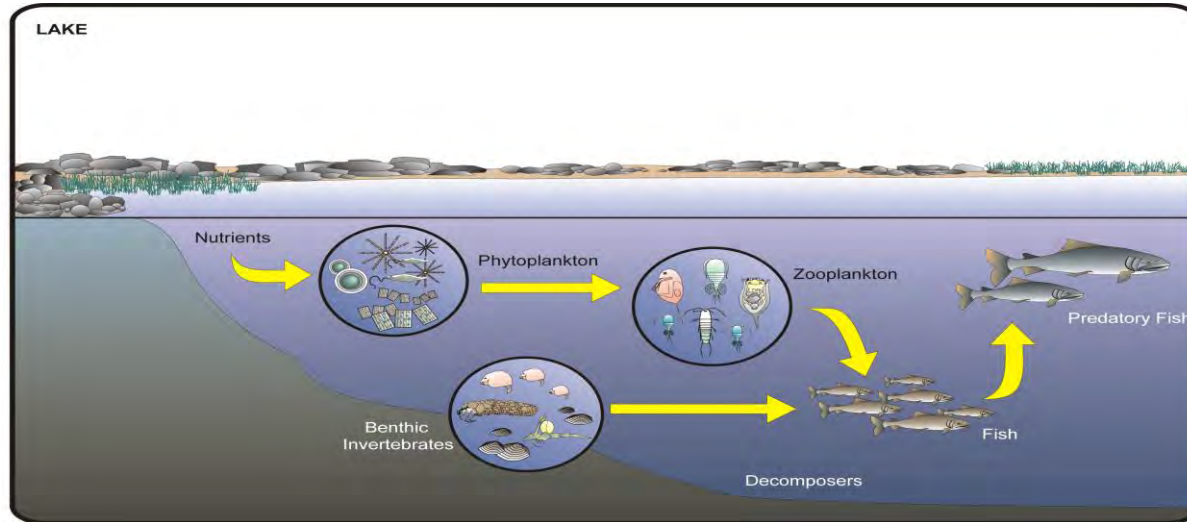
Key Terminology Used in Application

- Water Quality Objectives (WQOs) are protective of aquatic life
- Effluent Quality Criteria (EQCs) are concentrations that can be discharged to the lake without exceeding the SSWQOs
- EQCs are measured “end-of-pipe”
- Effluent is all water discharged from the water treatment plant to Snap Lake through the diffuser.



Site-specific Toxicity Testing

- Developing WQOs required testing the response of aquatic organisms found in Snap Lake to progressively higher levels of TDS.
- Document the concentration at which reproduction is affected in 20% of the sample of each of the species tested.



Toxicity Testing Results

- Test species show tolerance to TDS concentrations greater than 1,000 mg/L
- Test species include: water flea, insect larvae, alga, rotifer, diatom, lake trout, arctic grayling. All found in Snap Lake

Test Species	[TDS]
<i>Ceriodaphnia dubia</i> (water flea)	560/778
<i>Daphnia magna</i> (water flea)	1,005
<i>Chironomus dilutus</i> (insect larvae)	>1,379
<i>Pseudokirchneriella subcapitata</i> (alga)	>1,474
<i>Brachionus calyciflorus</i> (rotifer)	>1,474
<i>Navicula pelliculosa</i> (diatom)	>1,487
Lake Trout	991 >1,490 >1,484 >1,484
Arctic Grayling	>1,419 >1,419 >1,414 >1,414



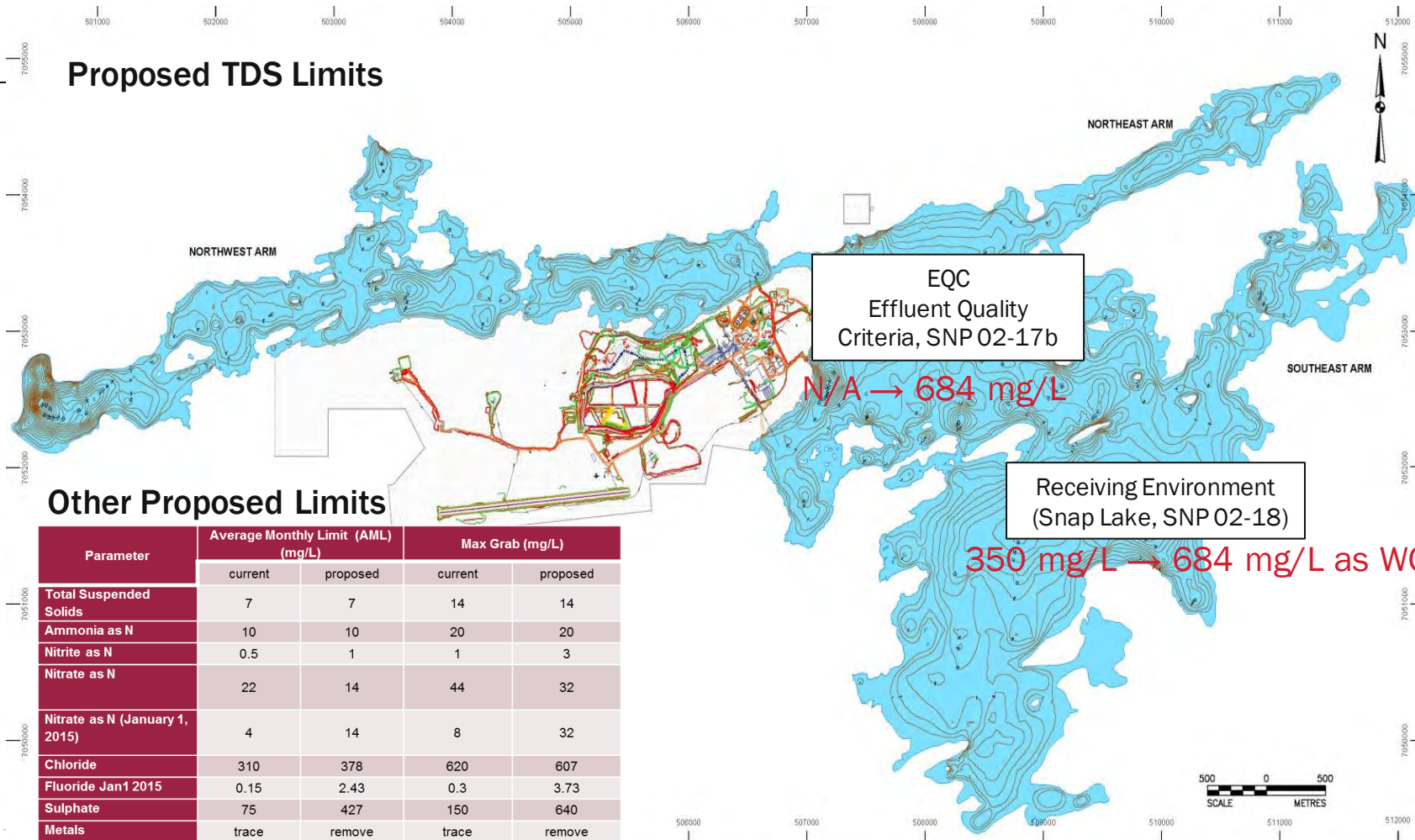
Proposed Limits

As a result of the studies conducted, De Beers proposes:

- Remove current whole-lake average TDS Water License limit of 350 milligrams per liter (mg/L) and replace with end-of-pipe monthly limit of 684 mg/L and max grab of 1,003 mg/L
- Apply interim end-of-pipe limit of 850 mg/L until January 2016, which will ensure that lake does not exceed 684 mg/L



Proposed TDS Limits



Other Proposed Limits

Parameter	Average Monthly Limit (AML) (mg/L)		Max Grab (mg/L)	
	current	proposed	current	proposed
Total Suspended Solids	7	7	14	14
Ammonia as N	10	10	20	20
Nitrite as N	0.5	1	1	3
Nitrate as N	22	14	44	32
Nitrate as N (January 1, 2015)	4	14	8	32
Chloride	310	378	620	607
Fluoride Jan1 2015	0.15	2.43	0.3	3.73
Sulphate	75	427	150	640
Metals	trace	remove	trace	remove

Water License Application Review Schedule

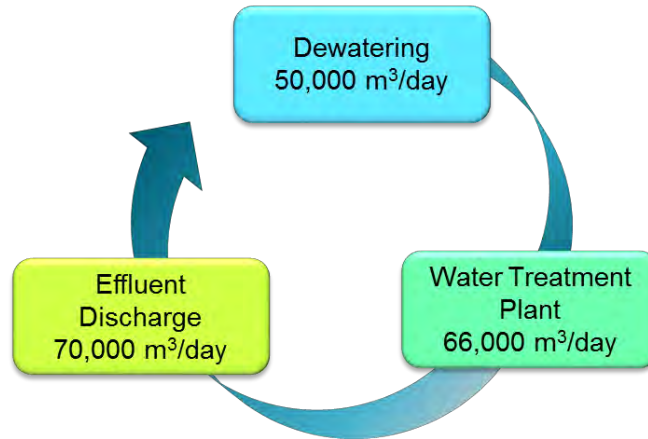
- Application filed December 19
- Information Requests and Technical Sessions (complete)
- Technical Reports (Parties) due May 21
- Public Hearing (Review Board) June 5-6
- Report of EA July 18, followed by Minister's Decision
- Water Licence Technical Review (September – November)
- Decision on Water Licence (January?)

TDS Management

- Investigating options into reducing TDS loading to the environment:
 - Grouting
 - Water Treatment
- Most TDS originates deep in the ground, from ancient rocks and is exposed during mining.
- High TDS groundwater was encountered during mining in April – resulted in temporarily elevated levels of TDS (chloride) in effluent. This water has since been retained underground.

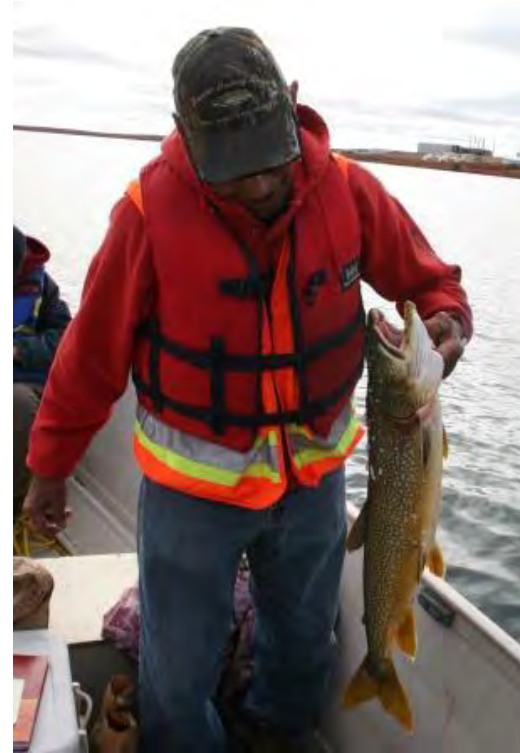
Water Management at Snap Lake Mine

- Currently increasing water management capacity
- Improve pumping system reliability and infrastructure, including commissioning of Modular Water Treatment Plant to add 25,000m³ total pumping capacity



Community Site Visits

- De Beers will invite each community to visit the Snap Lake Mine during July 2014
- Annual Fish Tasting in September



Thank you

Questions?

Appendix 6

Community Workshop PcghYfg

OUR OPERATIONS



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LET'S TALK ABOUT...



MINING YOUR FUTURE.

At Snap Lake, mining operations are completely underground, requiring a specialized fleet of heavy equipment. We also have heavy equipment at work on surface.

Here is some of the heavy equipment we are using at Snap Lake Mine:

Underground

- Jumbo Drills – Sandvik Axera 7-240 and Solo 5-5V
- Bolters – Sandvik Robolt 7-3THC
- Scoops – Sandvik Toro 007D and LH307

- Haul Trucks – Sandvik Toro 4D
- Light Vehicles – Miller HZJ79 mining variant of Toyota Landcruiser

Above ground

- Komatsu HM350 Haul Truck
- Komatsu WA450 Loader
- Komatsu WA250 Loader
- Komatsu PC400LC Excavator
- Komatsu D65, D155, D375 Dozers
- John Deere 450 Dozers
- Komatsu GD655 Grader

Interested? E-mail: hr.snaplake@debeersgroup.com | Tel. 1.867.766.7300
| Web www.debeersgroup.com/canada/careers

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YOUR OPPORTUNITY TO BE EXCEPTIONAL

De Beers is committed to maximizing the number of NWT employees working at the Snap Lake Mine and at the Gahcho Kué Project.

- Competitive salaries, northern salary enhancement and travel benefit
- 10 NWT pickup points

Snap Lake Mine:

- Completely underground mine
- 2013 workforce of 776
- 274 jobs held by NWT residents in 2013
- Northern hiring priorities established in Socio-Economic Agreement with GNWT

Gahcho Kué Project:

- Open pit operation
- About 700 jobs at peak of construction
- Approximately 400 jobs during operations
- “Big Wheels” recruitment for heavy equipment operators launched in May 2014

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LET'S TALK ABOUT...

TRAINING OPPORTUNITIES

De Beers has exceeded our NWT resident training commitments for the Snap Lake Mine and we continue to invest in training NWT residents. Training positions at the Snap Lake Mine include:

- Millwright Apprentice
- Electrical Apprentice
- Heavy Equipment Mechanic Apprentice
- Instrumentation Technician Apprentice
- Maintenance Helper
- Process Plant Operator Trainee
- Underground Miner Trainee
- Protective Services Official Trainee

Minimum qualifications:

- High School Graduation Diploma
- Passed Trade Entrance Exam (apprenticeship)
- Excellent organizational, verbal and written communication skills
- Proven work history
- Ability to demonstrate a strong work ethic and accountability towards personal safety and safety for others

The Gahcho Kué Project creates another opportunity where more training can be done.

- Training plan for the Gahcho Kué Project is now under development
- We have committed to: 10 apprenticeships over the life of mine; 16 trades training positions over the life of mine; 4 professional development sponsorships at any given time over the life of mine



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LET'S TALK ABOUT...



NWT BUSINESS POLICY

De Beers' Northwest Territories Business Policy is based upon our commitment to sustainable development, economic, social and environmental sustainability. Our commitment to involving NWT businesses includes a Business Development Manager in Yellowknife who works with Aboriginal and NWT businesses to:

- Match contracts with NWT business capabilities and capacities
- Identify joint venture possibilities
- Maintain a registry of NWT & Aboriginal businesses
- Co-ordinate post-award analysis for unsuccessful NWT and Aboriginal

businesses to help them improve for future opportunities

- Host an annual Business Opportunities event to identify upcoming opportunities at our NWT operations

Work with Us:

- If you are interested in providing goods or services to De Beers, please join our Business Registry.
- Find it online at wwe.debeersgroup.com/canada.businessregistry
- Contact Business Development Manager Tim Harris at 1.867.766.7312 or tim.harris@debeersgroup.com

LET'S TALK ABOUT...



MINING PARTNERSHIPS

NWT & Aboriginal businesses are important to our NWT operations. Since 2005, De Beers has invested \$2.1 billion to build and operate the Snap Lake Mine. This includes \$1.5 billion spent with NWT businesses, of which \$835 million was spent with Aboriginal businesses and joint ventures.

- 69% of all Snap Lake expenditures from 2005-2013 have been with NWT/Aboriginal businesses or joint ventures
- De Beers has committed to purchasing 30% of goods and services during construction and 60% of goods and services during operations and closure in our socio-economic agreement with the GNWT for the Gahcho Kué Project
- \$35 million in contracts awarded to NWT and Aboriginal businesses to support the Gahcho Kué Project early earthworks

SNAP LAKE MINE TOTAL SPEND IN 2013

\$187M

SNAP LAKE MINE NWT SPEND IN 2013

\$115M

SNAP LAKE MINE ABORIGINAL SPEND IN 2013

\$45M

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LET'S TALK ABOUT...



THE NORTH PILE

The North Pile is an engineered facility at Snap Lake Mine that is designed to hold processed kimberlite rock and waste rock on surface. It is designed to allow water to seep out into a network of collection ditches and ponds (called sumps), pumped to the Water Management Pond and then through the Water Treatment Plant before being discharged into Snap Lake after treatment.

- The North Pile is being built in three phases: Starter Cell, East Cell, West Cell
- Fine Processed Kimberlite slurry and Coarse Processed Kimberlite the consistency of small

gravel are deposited into the North Pile

- Clean granite from underground and surface is used to build the North Pile
- Metavolcanic rock from underground is potentially acid generating when exposed to air and water at the same time. To prevent this from happening, it is placed deep inside the North Pile and covered with Processed Kimberlite
- We continue trials to pump Processed Kimberlite in the form of paste into mined-out areas underground although the plan to deposit 50% of PK underground may not be achievable

BUILT 2005-2007

STARTER

BUILT 2010-2012

EAST

CONSTRUCTION START 2015

WEST

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LET'S TALK ABOUT...

ANCIENT WATER; MODERN SCIENCE

When De Beers received its current eight year water license in 2012, the Mackenzie Valley Land & Water Board asked us to come back by the end of 2013 with a series of management plans. These plans address a number of questions, including how to handle high TDS water from the underground mine. We have done that.

- TDS (Total Dissolved Solids) are salts found in naturally occurring ancient water that has been trapped in the rock for thousands of years
- World-class scientific research commissioned by De Beers shows that TDS up to 1,000 mg/L is safe for fish and other creatures in Snap Lake - about the same level as mineral water
- In comparison, the TDS in a bottle of premium San Pelligrino drinking water is 950 mg/L
- Proposed end-of-pipe limit for TDS is safe and achievable
- Aquatic Effects Monitoring Program allows us to detect any potential changes early on and take steps to mitigate



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LET'S TALK ABOUT...



MANAGING WATER

Our commitment to protecting the environment means collecting and treating water before it can be released into Snap Lake. Between 2011 and 2013 we invested \$12 million in the mine's management system to capture, treat and discharge water safely and sustainably. And we are not stopping there.

- Highly fractured rock means more water than expected needs to be pumped up from underground and treated
- We are treating enough water daily to fill 17 Olympic swimming pools
- \$9.9 million total capital investment in water management infrastructure budgeted during 2014
- Modular water treatment plant will allow us to treat and release the increased flow of water
- Flow rate monitors will allow us to better manage water movement underground
- During the spring melt, surface water ponds are monitored every two hours, 24/7

AMOUNT OF WATER TREATED DAILY - M³

43K

WATER MANAGEMENT INVESTMENT 2011-2014

\$21M

LET'S TALK ABOUT...



SNAP LAKE AQUATIC MONITORING

The Aquatic Effects Monitoring Program (AEMP) at the Snap Lake Mine provides the information we use to confirm that mine operations remain within permit and license conditions. Adaptive management means we make any changes needed to ensure compliance.

What we monitor:

- Water quality
 - Plankton
 - Fish Health & Community
 - Sediment Quality
 - Benthic Invertebrates
 - Metals
- Water Quality and Plankton studies and the Elders Fish Tasting are completed annually
 - Sediment Quality, Benthic Invertebrates, Fish health, Fish Community and Metals are monitored every three years
 - Tests are conducted in 15 locations on Snap Lake, and compared against tests done in two reference lakes: Northeast Lake (2.9 km from Snap Lake) and Lake 13 (10 km from Snap Lake)
 - Tests conducted downstream are used to determine if mine water is having any impact away from Snap Lake