

**From:** [Marc Casas](mailto:Marc.Casas@mvlwb.com)  
**To:** [permits@mvlwb.com](mailto:permits@mvlwb.com)  
**Subject:** FW: Landfill Relocation - Response Letter to Board  
**Date:** Tuesday, October 23, 2012 9:01:52 AM  
**Attachments:** [2012 October 22 - Landfill Relocation Response.pdf](#)  
[October 2012 DWS Management Plan Final.pdf](#)

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Please post in MV2011L2-0004 – Snap Lake – permits and other issuances – Modification - Landfill East Cell.

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**From:** Bradbury, Tom [<mailto:tom.bradbury@debeerscanada.com>]  
**Sent:** October-23-12 8:02 AM  
**To:** Marc Casas  
**Cc:** Tracy Covey; Jason Brennan; David White; Zhong Liu; Morapeli, Maxwell; Mooney, Peter; Raymond, Darren; Hood, Alexandra  
**Subject:** Landfill Relocation - Response Letter to Board

Mr. Hagen,

Please see the attached letter with regard to the relocation of the landfill and in response to the Board's letter dated October 11, 2012. Furthermore, as requested, the Domestic Waste and Sewage Management Plan (attachment) has been updated to reflect the landfill related changes.

Kind regards,

Tom Bradbury

**Tom Bradbury**

*Permitting Coordinator  
Snap Lake Mine  
De Beers Canada Inc.  
c/o Det'on Cho Logistics Ltd.  
101 McMillan Street, PO Box 2608  
Yellowknife, Northwest Territories X1A2P9  
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Disclaimer - October 23, 2012

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October 22, 2012

File: MV2011L2-0004

Mr. Willard Hagen  
Mackenzie Valley Land and Water Board  
Box 2130  
7<sup>th</sup> Floor, 4910-50<sup>th</sup> Avenue  
Yellowknife, NT.  
X1A 2P6

Dear Mr. Hagen:

**Re: Response to Modification Conditional Approval (October 11, 2012) –  
Water Licence MV2011L2-004 – Landfill within the East Cell**

Thank you for your review and quick response to De Beers September 28, 2012 letter requesting approval for the relocation of the Landfill to the East Cell. De Beers has received and reviewed your conditional approval letter (October 11, 2012) and is pleased to submit the following information to address the conditions specified:

*De Beers provide evidence that the area (30% of the East Cell) now proposed to contain Solid Waste will not lead to future storage capacity issues for Processed Kimberlite (PK), since previously this area was designated for PK storage; and that we restrict it to a small area/portion of the East Cell and to keep it something within 20-30% of the total area*

De Beers has calculated that the relocation of the landfill is less than 30% of the East Cell, which was noted by the Inspector in a letter to the board on June 28, 2012. As noted in Table 1, the area identified (Cell 1 of the East Cell) will have sufficient capacity for landfill until the West Cell is commissioned in several years time. By relocating the landfill to the east cell this provides us operational flexibility and the ability to deposit PK into the former landfill location within the starter cell and then again to Cell 1 after land filling is complete. Calculations have determined that the remaining space in the Starter Cell will provide enough area for PK deposition that is taken from the East Cell.

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Mr. Willard Hagen  
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Table 1

	m3 Available October 2012	
Starter Cell available for landfill	97,168	3m 'freeboard/ capping"
Starter Cell available for PK no more landfill	127,863	0.5m freeboard
<b>East Cell - Cell 1</b>		
Maximum capacity staged lift	257,100	
Estimated landfill volume	108,000	
Remaining volume for PK disposal	149,100	
Total volume for PK Disposal in Cell 1 + Current Landfill area	276,963	

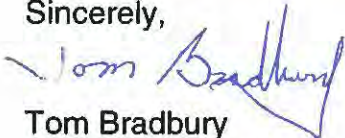
Additionally the board requested the following:

- *De Beers update appropriate plans including the Domestic Waste and Sewage Management Plan to reflect the modification.*

The Domestic Waste and Sewage Management Plan has been updated and is included separately as an attachment for submission and review.

Should you have any questions, comments or require further clarification, please do not hesitate to contact me at 767-8626 or email me at the following address:  
[tom.bradbury@debeerscanada.com](mailto:tom.bradbury@debeerscanada.com)

Sincerely,



Tom Bradbury  
Permitting Coordinator

Cc: M. Morapeli	DBCI
D. Raymond	DBCI
P. Mooney	DBCI
A. Hood	DBCI
D. White	SLEMA
Z. Liu	SLEMA
M. Casas	MVLWB

