



## Review Comment Table

<b>Board:</b>	WLWB
<b>Review Item:</b>	Diavik - SNP Update Request - Sampling Frequency of Select Parameters at SNP Stations 1645-18 and 1645-18B (W2015L2-0001) (WLWB)
<b>File(s):</b>	<a href="#">W2015L2-0001</a>
<b>Proponent:</b>	Diavik Diamond Mines (2012) Inc.
<b>Documents:</b>	<a href="#">Diavik - SNP - Update Request - Sampling Frequency of Select Parameters at 1645-18 and 1645-18B - Dec 20 19</a> 338 KB
<b>Item For Review Distributed On:</b>	Feb 10 at 13:26 <a href="#">Distribution List</a>
<b>Reviewer Comments Due By:</b>	Mar 2, 2020
<b>Proponent Responses Due By:</b>	Mar 9, 2020
<b>Item Description:</b>	<p>Diavik Diamond Mines (2012) Inc. (DDMI) has submitted a request to change Part E of the Surveillance Network Program (SNP) of Water Licence W2015L2-000. Specifically, DDMI has requested to change the sampling frequency for faecal coliforms, biological oxygen demand, and oil and grease, at SNP stations 1645-18 and 1645-18B (i.e., main effluent discharge). DDMI is requesting that the sampling frequency be reduced from once every 7 days to once in each calendar quarter.</p> <p><b>Using the Online Review System (ORS), reviewers are invited to submit comments and recommendations on the documents linked below by the review comment deadline specified. Reviewers may also wish to consider providing an overarching recommendation regarding whether the Board should approve the submission, to provide context for the comments and recommendations and assist the Board with its decision. If reviewers seek clarification on the submission, they are encouraged to correspond directly with the Applicant prior to submitting comments and recommendations.</b></p> <p>All documents that have been uploaded to this review are also available on our public Registry. If you have any questions or comments about the ORS or this review, please contact Board staff identified below.</p>
<b>Contact Information</b>	Anneli Jokela 867-765-4588 Ellen Reyes 867-765-4584 Cassandra DeFrancis 867-765-4581

## Comment Summary

Diavik Diamond Mines (2012) Inc. (Proponent)			
ID	Topic	Reviewer Comment/Recommendation	Proponent Response
1	General File	<b>Comment</b>  Cover Letter Re DDMI Response to Reviewer Comments <b>Recommendation</b>	
Fisheries and Oceans Canada: Nicholas Wasilik			
ID	Topic	Reviewer Comment/Recommendation	Proponent Response
1	Diavik - SNP - Update Request - Sampling Frequency of Select Parameters at 1645-18 and 1645-18B	<b>Comment</b> DFO has reviewed the request, as per our mandate, and has no comments at this time. <b>Recommendation</b> DFO has reviewed the request and has no recommendations at this time.	<b>Mar 4:</b> DDMI thanks DFO for the review. DDMI has no further comments.
GNWT - ENR - EAM (Environmental Assessment and Monitoring): Central Email GNWT			
ID	Topic	Reviewer Comment/Recommendation	Proponent Response
2	General File	<b>Comment</b>  ENR Letter with Comments <b>Recommendation</b>	
1	Topic: General	<b>Comment</b> ENR has reviewed DDMI request to reduce the sampling frequency for Faecal Coliforms, Biological Oxygen Demand (BOD), and Oil and Grease at the main effluent discharge to Lac de Gras at SNP Station 1645-18 and 1645-18B. Based on the information presented, ENR has no concerns with the reduction in sampling to a quarterly frequency. However, if the quarterly samples show values trending above the current maximum values for the three parameters above, DDMI may need to reassess the sampling frequency. <b>Recommendation</b> None.	<b>Mar 4:</b> DDMI confirms that the proposed quarterly sampling frequency for the three (3) parameters will be reconsidered if quarterly sampling shows values trending above the current maximum average effluent quality criteria values for these parameters.

**Wek' eezhii Renewable Resources Board: Randi Jennings**

<b>ID</b>	<b>Topic</b>	<b>Reviewer Comment/Recommendation</b>	<b>Proponent Response</b>
1	Diavik - SNP Update Request - Sampling Frequency of Select Parameters at SNP Stations 1645-18 and 1645-18B (W2015L2-0001)	<b>Comment</b> The WRRB have no comments at this time. <b>Recommendation</b> The WRRB have no recommendations at this time.	<b>Mar 4:</b> DDMI thanks WRRB for the review. DDMI has no further comments



March 2, 2020

Joseph Mackenzie  
Chair  
Wekeezhii Land and Water Board  
#1-4905 48<sup>th</sup> Street  
Yellowknife, NT  
X1A 3S3

Dear Mr. Mackenzie,

**Re: Diavik Diamond Mines Inc.  
Water Licence – W2015L2-0001  
SNP Update Request  
Sampling Frequency of Select Parameters at SNP Stations 1645-18 and  
1645-18B  
Request for Comment**

The Department of Environment and Natural Resources (ENR), Government of the Northwest Territories has reviewed the update request at reference based on its mandated responsibilities under the Environmental Protection Act, the Forest Management Act, the Forest Protection Act, the Species at Risk (NWT) Act, the Waters Act and the Wildlife Act and provides the following comments and recommendations for the consideration of the Board.

**Topic 1: General**

**Comment(s):**

ENR has reviewed DDMI request to reduce the sampling frequency for Faecal Coliforms, Biological Oxygen Demand (BOD), and Oil and Grease at the main effluent discharge to Lac de Gras at SNP Station 1645-18 and 1645-18B. Based on the information presented, ENR has no concerns with the reduction in sampling to a quarterly frequency. However, if the quarterly samples show values trending above the current maximum values for the three parameters above, DDMI may need to reassess the sampling frequency.

**Recommendation(s):**

None.

Comments and recommendations were provided by ENR technical experts in the Water Management and Monitoring Division and the North Slave Region and were coordinated and collated by the Environmental Assessment and Monitoring Section (EAM), Environmental Stewardship and Climate Change Division.

Should you have any questions or concerns, please do not hesitate to contact Patrick Clancy, Environmental Regulatory Analyst at (867) 767-9233 Ext: 53096 or email [patrick\\_clancy@gov.nt.ca](mailto:patrick_clancy@gov.nt.ca).

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Clancy', written in a cursive style.

Patrick Clancy  
Environmental Regulatory Analyst  
Environmental Assessment and Monitoring Section  
Environmental Stewardship and Climate Change Division  
Department of Environment and Natural Resources  
Government of the Northwest Territories



Diavik Diamond Mines (2012) Inc.  
P.O. Box 2498  
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Joseph Mackenzie, Chair  
Wek'èezhii Land and Water Board  
PO Box 32  
Wekweètì, NT X1A 3S3  
Canada

4 March 2020

Dear Mr. Mackenzie:

**Subject: DDMI Response to Reviewer Comments and Recommendations – Request for an update to the Surveillance Network Program to Reduce the Sampling Frequency for Coliforms, BOD<sub>5</sub>, and Oil and Grease at the Main Effluent Discharge**

Diavik Diamond Mines (2012) Inc. (DDMI) is pleased to submit its response to Reviewer Comments and Recommendations regarding DDMI's request to the Wek'èezhii Land and Water Board for approval of an update to the Surveillance Network Program to change the sampling frequency for Faecal Coliforms, Biological Oxygen Demand (BOD<sub>5</sub>), and Oil and Grease at the main effluent discharge to Lac de Gras from once every 7 days to once in each calendar quarter. DDMI confirms that the proposed quarterly sampling frequency for the three (3) parameters will be reconsidered if quarterly sampling shows values trending above the current maximum average effluent quality criteria values for these parameters.

DDMI's response to Reviewer Comments and Recommendations has been uploaded to the WLWB's Online Review System. Please do not hesitate to contact the undersigned or Kofi Boa-Antwi (867 447 3001 or [kofi.boa-antwi@riotinto.com](mailto:kofi.boa-antwi@riotinto.com)) if you have any questions related to this submission.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Sean Sinclair", written in a cursive style.

Sean Sinclair  
Principal Advisor, Environment and Closure Readiness

cc: Anneli Jokela, WLWB  
Kassandra DeFrancis, WLWB

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Document #: ENVI-1041-0320 R0

Template #: DCON-036-1010 R5

## Distribution List

Diavik - SNP Update Request - Sampling Frequency of Select Parameters at SNP Stations 1645-18 and 1645-18B (W2015L2-0001)

File(s): W2015L2-0001

Proponent: Diavik Diamond Mines (2012) Inc.

Reviewer Comments Due By: Mar 2, 2020

Proponent Comments Due By: Mar 9, 2020

### Document(s)

Diavik - SNP - Update Request - Sampling Frequency of Select Parameters at 1645-18 and 1645-18B - Dec 20\_19

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