

From: [Marc Casas](#)
To: permits@mvlwb.com
Subject: FW: average monthly limit - Chloride
Date: Friday, June 28, 2013 11:11:26 AM

Please post thread in MV2011L2-0004 – Snap Lake – reports and studies – SNP reports

Thanks,

Marc Casas

Regulatory Officer

Mackenzie Valley Land and Water Board

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From: Hood, Alexandra [mailto:Alexandra.Hood@debeerscanada.com]
Sent: June-11-13 4:38 PM
To: Marc Casas
Cc: Patrick.Kramers@aandc.gc.ca; tyree@mvlwb.com; tom.bradbury@debeerscanada.com
Subject: RE: average monthly limit - Chloride

Hi Marc,

The increase in TDS is based on where we are mining. Traditionally with Canadian shield rock the deeper that you mine, the higher the TDS values in the connate water, so you are right it is operationally based.

In terms of ensuring that the limit is not exceeded we are watching our sampling closely, collecting water from various faces as we progress and looking at Chloride kick back thresholds to be installed similarly to those for nitrates in the WTP. In terms of long term management this will be the basis for our water license amendment and the TDS response plan.

Does that help you? I am free next week to meet if you want further detail.

Thanks Alex

Alexandra Hood

Environment & Permitting Superintendant

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Disclaimer - June 11, 2013

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From: Marc Casas [<mailto:mcasas@mvlwb.com>]
Sent: Tuesday, June 04, 2013 12:05 PM
To: Hood, Alexandra
Cc: Patrick.Kramers@aandc.gc.ca; tyree@mvlwb.com
Subject: average monthly limit - Chloride

Hey Alex it was brought to my attention that the average monthly limit for chloride reported in the April 2013 SNP report is 303 mg/L (or close to that). The WL monthly EQC for chloride is 310 mg/L. In looking at the trend line (also provided in the SNP report pg 38) it appears as though the chloride numbers seem to increase around mid February. Could there be an operational reason for this increase?

I wanted to bring this to your attention so you can comment on what De Beers is doing to ensure that the average annual monthly limit is not exceeded?

Please let me and the inspector know if you have any further questions or if you would like to arrange a meeting. I'm not sure what your schedule is but I am flexible.

Thanks,
Marc Casas
Regulatory Officer
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