From:	Nunatta Environmental
To:	Sean Joseph; Phyllis Beaulieu
Subject:	Discharge waters
Date:	Friday, September 21, 2012 1:45:22 PM

Good Afternoon Shawn

I just heard from Melissa Joy on our water. She refuses to budge on the toluene and insists on it being 2ug/L.
To get the discharge waters down to 6.6ug/L from 19.9ug/L has taken almost 40 hours of circulating water through carbon filtering vessels.
I am getting very worried we will not be able to contain and treat any
more water this fall and with all the rain over the last 3 weeks our cells are past my comfort level. In fact it is raining hard again this afternoon.
I checked the weather report and see we are in for more freezing nights which will hinder cleaning any more water this year.
In the summer months we have been able to pump and filter 2 tanks of water in one week until now. This last batch which has be contained 1 month.
(Tanks volumes are Black tank 47,000L Green tank 11,000L)
I fear if we do not soon get permission to discharge this tanked water I will be forced to pump it back into the already full cells as the tank will only bust if allowed to freeze.
The filtering continues, pumps are circulating water again today and another sample will be sent out again this Sunday as holding time do not allow us to send water samples on Friday or Saturday.
The amount of pollution generated by the pumps in the way of fuel burned and the oil used over the 60 hours of circulating time
through the carbon filter, has far exceeded the amount of contamination in the discharge water.
Not to mention using 2x the amount of carbon normally used to polish this amount of water.
The current toluene levels in the tanked waters are almost 4 times better than the drinking water for human consumption.(drinking water standard is 24ug/L) our water has been reduced it to 6.6ug/L from 19.9ug/L. which was achieved on our first sample sent out after filling tanks. To do this it required more than 40 hours of pumping.

Failure to get permission to discharge the tanked water has left us with our berms full and not enough time to make room to handle spring
melt runoff.
I fear next spring we will not be able to contain all the melt waters
and am asking for a suggestion as what it is we can do when we have to
address this next year.

Thank you for your time on this matter.

JIM

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