From: Karen Kharatyan
To: Carroll,Carl [NCR]
Cc: Phyllis Beaulieu
Subject: RE: Eureka Water Licence and methods of obtaining potable water
Date: Tuesday, April 24, 2012 2:40:43 PM

Hi Carl,

The NWB does not regulate the taking water from the ocean and does not have any concerns related to the water use from the ocean. I do not really know, if DFO regulates it, and if yes how it regulates? If the salt by product is discharged directly to the ocean, it is again related to the DFO. If the salt by product will be disposed of at Eureka's waste disposal facility, it may require or not some approval from the NWB. The EC can submit the proposal as a modification to the water supply facility, the Board will then consider whether an amendment is needed or you can go with a modification.

Hopefully this explanation helps you.

Regards,

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From: Phyllis Beaulieu [mailto:licensing@nunavutwaterboard.org]
Sent: Tuesday, April 24, 2012 2:23 PM
To: Karen Kharatyan
Subject: FW: Eureka Water Licence and methods of obtaining potable water

Karen – could you please provide response to Carl's query, thanks.

From: Carroll,Carl [NCR] [mailto:Carl.Carroll@ec.gc.ca]
Sent: Friday, April 13, 2012 11:54 AM
To: licensing@nunavutwaterboard.org
Cc: Boulanger,Natalie [NCR]
Subject: Eureka Water Licence and methods of obtaining potable water

Hi Phyllis,

We are currently researching the possible uses of a small desalination system for Eureka as an option for obtaining potable water. Currently we draw water from Station Creek in the summer to fill our water lagoon and then use this supply throughout the year until we can refill the lagoon the next year when the creek runs

again. If we were to consider any type of desalination system for Eureka which would involve drawing ocean salt water from the Fjord and removing the salt in order to use as a potable water supply, what steps would we need to follow in terms of our current water licence, in order to obtain authorizations to implement or use such a system?

Does obtaining authorization to use this type of system depend on the size of the system, how much water is used, where the water is drawn from, when the water is taken from the Fjord, what amounts of salt by product would be created and require disposal, etc?

Could you let us know what we must address if we would like to consider using this type of system in Eureka?

Many thanks,

Carl

Carl Carroll, FMA/SMA

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