

From: [Andrew Keim](#)
To: [Frank Ford](#)
Cc: ["John Hussey"](#); r.hogan@city.iqaluit.nu.ca; [Jim Rogers](#); [Peter Kusugak](#); ["Phyllis Beaulieu"](#)
Subject: RE: Emergency diversion Waste Water Treatment Plant to Lagoon
Date: Thursday, May 12, 2011 7:08:38 AM

Hi Frank,

I am not aware of the bags being used for such a purpose as this, I had thought their effectiveness was confined to the reduction of TSS.

I would be concerned about the volume and rate of flow entering one of these bags from the discharge, are the bags strong enough to withstand that rate of flow?. Also, what would you do with the bags upon removal. This would fall under the sludge mgmt plan that I believe is still outstanding under the terms of the existing license.

I am in town tomorrow and then in Yellowknife from the 16th to the 18th.. Could we plan to talk on the 19th?..

Thanks

Andrew Keim
Water Resources Officer
INAC Nunavut Regional Office
P.O. Box 100
Iqaluit, Nunavut X0A 0H0
***NEW Email:** Andrew.Keim@inac-ainc.gc.ca
Phone: (867) 975-4289
Fax: (867) 979-6445

>>> "Frank Ford" <f.ford@city.iqaluit.nu.ca> 5/11/2011 4:49 PM >>>
Hi Andrew,

Our time of diversion was longer than expected, diversion to the lagoon from 11:00 am May 04,2011 until 6:00 pm May 07,2011. Approx 7500 cubic meters of effluent was diverted in this time frame. The reason for the extended time frame was because one of the stainless idler shafts on the solses needed to be reconditioned and new bearings installed.

I would like to talk to you regarding the setup of a dewatering bag that could be used on the discharge from the plant or when decanting from the lagoon. These dewatering bags come in various sized microns, that would probably filter better than the solses filter in place now. These dewatering bags could be used in this situation, when a shutdown is necessary as a backup to the solses filter. I would like to put one of these bags in place as a trial, and collect samples for testing in order to see how this practice would compare to our present system.

I was wondering if you knew of any other communities that could have possibly tried this practice in the past, and welcome any input from you.

Please give me a call when you can,

Thank you, and I look forward to hearing from you.

Frank Ford
Public Works Superintendent
City of Iqaluit
867-979-5653 office
867-222-2965 cell

-----Original Message-----

From: Andrew Keim [mailto:Andrew.Keim@inac-ainc.gc.ca]
Sent: Wednesday, May 04, 2011 3:25 PM
To: Frank Ford
Cc: 'John Hussey'; r.hogan@city.iqaluit.nu.ca; Jim Rogers; Peter Kusugak;
Phyllis Beaulieu
Subject: Re: Emergency diversion Waste Water Treatment Plant to Lagoon

Acknowledged.

Please proceed as required.
Please record estimated volumes of diverted effluent and report upon
completion of your repairs.

Andrew Keim
Water Resources Officer
INAC Nunavut Regional Office
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Iqaluit, Nunavut X0A 0H0
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>>> "Frank Ford" <f.ford@city.iqaluit.nu.ca> 5/4/2011 11:35 AM >>>
Good morning Andrew,

We have run into a problem at the WWTP with our trash augers. The flow of sewage is somehow diverting around our trash augers and allowing excess solids to flow onto the solnes filter. This in turn is causing stress on the filter and premature wear to the point of failure at present. As of 11:00 am an emergency diversion of sewage to the lagoon has been necessary. We feel that the diversion to the lagoon will be no more than eight hours, this time frame will be adequate to solve the problem with the trash augers as well as change out the solnes filter once again.

I will keep you posted on our progress as well as when we stop diverting to the lagoon.

Any questions please call.

Thank you,

Frank Ford

Public Works Superintendent

City of Iqaluit

979-5653

222-2965 (cell)