

## Phyllis Beaulieu

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**From:** David Hohnstein [dts@nunavutwaterboard.org]  
**Sent:** Monday, July 07, 2008 10:51 PM  
**To:** Phyllis Beaulieu  
**Cc:** Warbanski, Mark  
**Subject:** Re: AREVAs Kiggavik Camp

Good evening Mr. Warbanski,

Having read your email passed onto me by our Manager of Licencing, it appears from the information given that drill wastes (water and sediment) have been allowed to flow from their original deposition point to a point in Andrew Lake, downstream of the drill sites. I am unaware of the "issue" and whether it has been an issue with the activity of drilling or if this activity has been the subject of previous correspondence/inspections. The actual Licence file was not provided for my reference, however in general, licence conditions require the containment of drill wastes (especially solids) within a constructed sump or natural low area where direct or indirect flow into a water body is not possible. As an initial comment, it would appear from the information given, that the activity has resulted in a release of waste and should be reported immediately to the NWT/Nunavut 24hr Spill Line as well as the INAC Water Inspector. I'm unsure if the reference to "Phone attempts were made but could not get through" were with respect to the Inspector, or to the NWB?

As far as mitigative actions, your email indicates that the drill water has been re-directed away from the natural flow to the lake and will be monitored to ensure that no further movement of water/sediments occur to the Lake. Have there been any actions taken towards controlling any further water movement of the original drill waters/wastes to the lake? Installation of silt fences or similar actions to prevent sediments from entering the lake? These may be required to limit any further deposition of wastes to the lake.

I will be in my office on Tuesday from around 8a.m. MT. Please feel free to give me a call (780.443.4406) if you wish to discuss this issue further and what actions may be required by AREVA. INAC is the body responsible for enforcement of the licence conditions and it may be beneficial for AREVA to contact the Water Resources Division of INAC in Iqaluit as well to discuss further actions required.

Regards,

David Hohnstein



David Hohnstein, C.E.T., A/Director Technical Services

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7/8/2008

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

**From:** [Phyllis Beaulieu](#)

**To:** ['David Hohnstein'](#)

**Sent:** Monday, July 07, 2008 2:42 PM

**Subject:** FW: AREVAs Kiggavik Camp

[FYI and any action please.](#)

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**From:** Warbanski, Mark [<mailto:Mark.Warbanski@areva.ca>]  
**Sent:** Monday, July 07, 2008 8:56 AM  
**To:** [licensing@nunavutwaterboard.org](mailto:licensing@nunavutwaterboard.org)  
**Subject:** AREVAs Kiggavik Camp

Good morning,

There has been an issue with the ongoing drilling at Andrew Lake. There has been sediment from the drill holes AND-08-01 and AND-08-03 that have been entering the water body of Andrew Lake. The drill cuttings (which are not mineralized) flow was monitored and moved approximately 30 meters in one day, by the time we found out the water was moving, it had already just began entering the water body. The drills then immediately used corrective action and began pumping the water 100 ft away into a low spot on the tundra away from the lake. This site will be monitored daily and aerial photos will be taken.

There are some points to consider when hearing this news. The drill cuttings are not mineralized and the mineralized are caught at the drill and are bagged. The drill cuttings that are released are composed of hematite which is iron and water. The drills were set-up on flat areas of land approximately 80 meters from Andrew Lake. The ground that the drills were on was saturated to begin with and water was not flowing towards the Lake. The water usage was increased since they were drilling in the clay material and were reaming the drill hole. This caused an increased amount of water with little mud and the water flow pushed the cuttings towards the lake. Phone attempts were made could not get through.

You may reach me at the site phone (306) 683-9843 and/or (306) 291-7532. I am leaving for crew change in approximately 1 hour and I will check my email as soon as I land in Saskatoon. Any and all corrective measures given by the NWB will be taken. Thanks for your time and I look forward to hearing from you.

Regards

Mark Warbanski, B.Sc.  
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