



NWB Tools

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## 2BB-BOS Renewal Application, WR&OM Plan, Containment Pond Question

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**Oliver Curran** <oliver.curran@tmacresources.com>

Fri, Feb 24, 2017 at 8:32 AM

To: Sonia Aredes &lt;sonia.aredes@nwb-oen.ca&gt;

Cc: John Roberts &lt;john.roberts@tmacresources.com&gt;, Shelley Potter &lt;shelley.potter@tmacresources.com&gt;, Ida Porter &lt;ida.porter@nwb-oen.ca&gt;

Hi Sonia,

Thanks for your questions. Please see my response in red below.

I'll be on a community tour next week, so if you'd like to follow up, it would be best to contact John Roberts.

Regards,

Oliver

**From:** Sonia Aredes [mailto:[sonia.aredes@nwb-oen.ca](mailto:sonia.aredes@nwb-oen.ca)]**Sent:** February 23, 2017 1:07 PM**To:** Oliver Curran <[oliver.curran@tmacresources.com](mailto:oliver.curran@tmacresources.com)>; Ida Porter <[ida.porter@nwb-oen.ca](mailto:ida.porter@nwb-oen.ca)>**Subject:** 2BB-BOS Renewal Application, WR&OM Plan, Containment Pond Question

Hi Oliver

I have a couple of questions regarding the WR&amp;OMP:

Table 2-4 Page 11 of the Water, Waste Rock and Ore Management Plan, referring to the Containment Pond states:

*"Sources of Water reporting to this location include runoff from the camp pad or water accumulating in the fuel containment area, and therefore reflect water quality associated with runoff from the ore and waste rock"*

1. Is this right? does the runoff from the ore and waste rock report to these Ponds?

Not all runoff from waste rock and ore reports to the collection pond. This pond was not intentionally designed to have all surface runoff from the ore and waste rock to be directed towards it. A small portion of such runoff does however end up there simply based on its location. The remaining runoff from the pads leaves via ephemeral seepage which is sampled by our Boston ephemeral seepage program. The results indicate that concentrations of potential contaminants of concern have been low, and trends over time are stable in the ephemeral streams downstream of the Boston ore stockpiles and camp. The results suggest that the tundra continues to effectively attenuate these constituents, ensuring that there is no impact along the shore line of Aimaokatalok Lake.

2) What is the distance from these ponds to the nearest water body? The nearest water body from the camp pad is to the west, which is approximately 180 meters. To the north, the nearest water body is approximately 250 meters. Based on topography and known runoff patterns, most water drains to the north-east which is approximately 250-500 meters from the nearest water body depending on the drainage course. Water would not drain south due to topography.

Thanks

Sonia