



NWB Tools

Richard Dwyer <[richard.dwyer@nwb-oen.ca](mailto:richard.dwyer@nwb-oen.ca)>

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## FW: Contractor's response to your questions on Wastewater Treatment CAM-C

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**Morakinyo, Dele (AADNC/AANDC)** <[dele.morakinyo@canada.ca](mailto:dele.morakinyo@canada.ca)>  
To: Assol Kubeisinova <[assol.kubeisinova@nwb-oen.ca](mailto:assol.kubeisinova@nwb-oen.ca)>  
Cc: Licensing Department <[licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca)>

Tue, Jun 12, 2018 at 11:30 AM

Hi Assol,

Please find below in green color our contractor (Englobe)'s response to your questions on Wastewater Treatment CAM-C. Kindly let me know if you are satisfied with this.

Best Regards

Dele Morakinyo, P. Eng., PMP.,

Project Manager, Contaminated Sites/

Chef de Projet, Sites Contaminés

Indigenous and Northern Affairs Canada/

Affaires Autochtones et du Nord Canada

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**From:** Caitlin Moore [mailto:[Caitlin.Moore@pwgsc-tpsgc.gc.ca](mailto:Caitlin.Moore@pwgsc-tpsgc.gc.ca)]  
**Sent:** Friday, June 01, 2018 2:48 PM  
**To:** Morakinyo, Dele (AADNC/AANDC)  
**Subject:** FW: Wastewater Treatment CAM-C

Hi Dele,

Please see below for Englobe's response to the questions regarding the wastewater treatment plan.

The revised plans are expected to be completed on Monday.

Thank you,

**Caitlin Moore, P.Eng**

Project Manager, Northern Contaminated Sites

Tel : 780-497-3867 / Cel : 780-901-1148

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**From:** Alain Larivière [mailto:[Alain.Lariviere@englobecorp.com](mailto:Alain.Lariviere@englobecorp.com)]  
**Sent:** June-01-18 9:40 AM  
**To:** Caitlin Moore <[Caitlin.Moore@pwgsc-tpsgc.gc.ca](mailto:Caitlin.Moore@pwgsc-tpsgc.gc.ca)>  
**Cc:** Brandon MacKay <[Brandon.MacKay@englobecorp.com](mailto:Brandon.MacKay@englobecorp.com)>  
**Subject:** RE: Wastewater Treatment CAM-C

Hello Caitlin,

Please find the answers in *Italic* below.

Best regards

**Alain Larivière**

Chargé de projets / Project Manager

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The Plan was provided today and mentions that "the camp will generate approximately 75 m<sup>3</sup> of wastewater". Could you please clarify what the capacity of a single lagoon is going to be? Since both sewage and industrial wastewater will be collected in both lagoons, what is the plan for contingent overload?

*CAM-C will have two 100 m<sup>3</sup> sewage lagoon to collect and process water originating from camp operations. This allows for 50 m<sup>3</sup> as a total contingency between the two lagoons. Industrial wastewater is not collected within these lagoons and thus this volume has not been considered for the sewage lagoon system. The industrial waste water at the site will be generated primarily from barrel washing activities and contact water removed from contaminated soil excavations. Depending on the volume of industrial waste water generated, storage and treatment may take place in a tank or a constructed lined lagoon. As the volume of industrial wastewater is not known at this time, materials have been brought to the site to allow Englobe to construct a treatment area which can be sized to suit the project needs.*

What is the maximum allowable flowrate through the treatment system? What would be the plan if the actual flowrate exceeds the maximum allowable value?

*The maximum flowrate for the Water Treatment unit is 20 gpm. The treatment system runs within a closed system powered by a gasoline pump which recirculates the water being treated. As such Englobe staff are able to control the flow rate with the pump and by checking a gauge built into the treatment system, as such it is not anticipated the actual flowrate would ever exceed the maximum allowable value. In the event the maximum allowable value was observed to be exceeded, Englobe staff would adjust throttle of the pump to ensure the value was respected and perform follow-up checks during treatment. All water being treated within this system will be tested prior to discharge to ensure criteria detailed in the water license will be respected.*

Thanks,

**Caitlin Moore, P.Eng**

Project Manager, Northern Contaminated Sites

Public Services and Procurement Canada

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