



Nahanni National Park Reserve
P.O. Box 348
Fort Simpson NT
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December 1, 2016

Mackenzie Valley Environmental Impact Review Board
200 Scotia Centre
Box 938, 5102-50th Ave
Yellowknife, NT X1A 2N7

Attention: Chuck Hubert

Re: Grey and Brown Water Disposal Systems

Dear Chuck:

Parks Canada is currently reviewing the available information regarding brown and grey water systems for the proposed Prairie Creek All Season Access Road (EA1415-01). Following Canadian Zinc's commitment to either treat brown water using an onsite treatment facility or remove brown water from the site for disposal during the construction phase of the project, Parks Canada is requesting that Canadian Zinc provide the following information to provide clarity on the proposed water management strategies and roll up the existing information into one document for review.

1. Confirm the number of occupants who will be housed at the road construction camps, and expected time the camps will be in operation. Indicate whether the camps will be used year round or seasonally. For camps which operate on a seasonal basis indicate the dates of occupancy and whether the camp will be used in subsequent years or seasons.
2. Confirm the daily water usage for the camps separating the anticipated volumes of grey water and brown water.
3. Will grey water be treated through the onsite brown water treatment system (if this is the method of brown water management selected)? If grey water is not treated through an on-site brown water system will there be any pre-treatment of grey water (settling tank) prior to discharge into the sump?
4. If wastewater is to be treated using an onsite system describe how the wastewater will be collected and the proposed treatment methods. Provide details on the design criteria such as flow and loads, effluent disposal methods. Describe effluent objectives and reference any guidelines or regulations which will be used to establish the effluent objectives.

5. Provide preliminary engineering reports or studies used to develop grey and brown water disposal systems, along with any preliminary designs for the systems.
6. Provide an overview of how are potable water and wastewater are currently managed at the Prairie Creek Mine site including the capacity of the system?
7. Provide preliminary details outlining how effluent will be monitored and which effluent parameters will be monitored i.e. TSS, Turbidity, BOD₅, Faecal coliform, TP, TN, and Ammonia-N

Should there be any uncertainty regarding the questions above Parks Canada would be pleased to provide clarity. Please contact Allison Stoddart at (819) 420-9188 or allison.stoddart@pc.gc.ca for more information.

Sincerely,



Jonathan Tsetso
Superintendent, Nahanni National Park Reserve

Cc David Harpley, Alan Taylor, Adrian Paradis