



**Environment Canada** **Environnement Canada**

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*Via Email*

**Re: NWB1JER0410/TR/D16 – Tahera Diamond Corporation – Submission of Jericho Project C1 Diversion Channel Design Drawings**

On behalf of Environment Canada (EC), I have reviewed the information with the above mentioned application. The following specialist advice has been provided pursuant to Environment Canada's mandated responsibilities for the enforcement of the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

The proponent has acquired the services of EBA Engineering Consultants Ltd. (EBA) to prepare the C1 Diversion Channel design. At the present time the Jericho Project's open pit mine site intercepts the natural drainage path of Lake C1 which flows into Carat Lake. In an effort to prevent the inflow of Lake C1 water into the open pit mine and to mitigate the negative impact of mine development on downstream fish habitat, the proponent will construct a channel to redirect the lake's outflow around planned mining activities and have it reconnect with the lower reaches of its natural stream. This action is in accordance with the project's licence conditions and the Fisheries and Oceans Canada authorization. The diversion channel will have a minimum setback distance of 30 m from the crest of the mine pit's downward slope.

Environment Canada recommends that the following condition be applied throughout the construction of the C1 Diversion Channel Design.

- The Plan states that some of the work will be carried out during the winter when materials are in a frozen state. This includes the excavation of energy dissipation pools, trenches, etc. However, no information is provided regarding sedimentation control measures for the stockpiled materials. Environment Canada recommends that measures be taken to prevent sedimentation from the stockpiled material, especially during the spring freshet and the spring melt, when the snow and ice located in the overburden melts.

If there are any changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me if you have any questions or comments with regards to the foregoing at (867) 975-4631 or by email via [david.abernethy@ec.gc.ca](mailto:david.abernethy@ec.gc.ca).



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Regards,

David W. Abernethy  
Environmental Assessment Technician

cc Colette Spagnuolo, Environmental Assessment and Contaminated Sites Specialist