

May 24, 2023

Kimberley Murray
Regulatory Specialist
Mackenzie Valley Land and Water Board
7th Floor-4910 50th Avenue,
Yellowknife, NT
X1A 2P6

Dear Ms. Murray:

Re: [Flood Protection Berm and Water Storage Pond Southern Dyke Evaluation Report MV2021L2-0004, Prairie Creek Mine](#)

Canadian Zinc Corp. (CZN) was pleased to provide the above noted evaluation report prepared by Tetra Tech via large file transfer to satisfy Part E, Condition 7 of MV2021L2-0004.

The report addresses items 1a) to 1 d) of Schedule 4. Regarding item 1e), *description of how each recommendation in Condition 1(d) will be implemented*, the recommendations in the report contain specifics for the slopes of the structures and rip-rap height and sizing by location. CZN plans to implement the recommendations during construction works for the Water Storage Pond (WSP). CZN is currently planning to initiate earthworks on the WSP in summer 2024. Tetra Tech is in the process of completing a Design and Construction Plan (DCP) for the WSP.

Tetra Tech has also completed annual inspections of the WSP, and in the inspection reports, recommended that flood protection be repaired to a suitable standard prior to water levels being raised in the WSP. Accordingly, CZN commits to implement the recommendations in the evaluation report with respect to the WSP prior to directing water into the facility. This is projected to start in or around October 2025 when CZN intends to commence mine dewatering.

The Flood Protection Berm (FPB) is intended to protect the mine camp from inundation. We currently anticipate a three-year mine construction period, culminating in mill operations at the end of 2026. CZN commits to implement the recommendations in the evaluation report with respect to the FPB prior to mill operations.

Implementation of the recommendations will require localized resloping, the recovery of rip-rap from the slopes and replacement of the rip-rap, as well as acquiring more and larger rip-rap from the on-site quarry for placement in key locations. Since both structures abut Prairie Creek, this work will be carried out from the crest of the structures, or from temporary access roads along the slopes. There will be no in-water work. Appropriate sediment controls will be in place during the works.

If you have any questions, please do not hesitate to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Harpley".

David P. Harpley