

December 13, 2021

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Mackenzie Valley Land and Water Board  
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Yellowknife, NT X1A 2P6

Allison Stoddart  
Environmental Assessment Specialist  
Parks Canada / Government of Canada  
30 Victoria Street, 3rd floor (PC-03-C),  
Gatineau QC J8X 0B3

**Re: Canadian Zinc Corporation Prairie Creek Mine Project  
Phase 1 Winter Road Design and Construction Plan  
Examination by Independent Technical Review Panel**

Dear Mr. Hotson and Ms. Stoddart:

The Independent Technical Review Panel (Panel), formed under EA1415-01 Measure 5-1 regarding Canadian Zinc Corporation's (CanZinc) Prairie Creek All Season Road Project, has examined the attached Design and Construction Plan and the associated Engineered Structures and Design Drawings for Phase 1 (the Winter Road). It is understood that this road is intended to provide short-term (i.e., several months) access to facilitate geotechnical investigations along the general alignment of the proposed all-season road to the Prairie Creek mine site.

The mandate of the Panel is *"to provide independent expert advice and recommendations on the design and construction of the road to minimize traffic-related accidents, road failure or malfunctions, and any resulting significant adverse impacts on human safety or the environment"*.

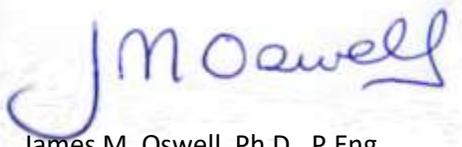
In line with the Panel's Terms of Reference, we examined the proposed Design and Construction Plan for the Winter Road. CanZinc and their consultants submitted several draft versions of the plan, each addressing subsequent comments and recommendations from the Panel. The attached version of the plan reflects this collaborative interaction and incorporates feedback from the Panel.

The Panel is of the opinion that if the plan is implemented as described, subject to the satisfactory resolution of the condition discussed below, it will meet the appropriate standards to minimize traffic related accidents, road failure or malfunctions, and resulting significant adverse impacts on human safety or the environment.

If you have any questions, please feel free to contact the Panel through CanZinc.

Sincerely,

**Independent Technical Review Panel**



James M. Oswell, Ph.D., P.Eng.

Chair

cc: Robert Johnson, P.Eng.  
Lee Deslauriers, P.Eng., R.P.F  
Timothy Smith, P.Geo., PLEng.  
Claudine Lee, M.S.c, P.Geol.

#### CONDITIONS

1. With respect to the proposed over-steepened fill slopes within the moderate and high-risk areas of the alignment (identified by Scouten) and those adjacent to stream crossings that are not within these areas, the Panel recommends that CanZinc's consultants review the design angles in the context of ensuring that they are stable during construction and operation and how they will be deactivated so as not to compromise workers' safety and the environment during and after spring thaw.

We recommend that a written methodology be prepared prior to the start of construction by CanZinc, their consultants and the Engineer of Record that addresses monitoring and reacting to erosion or instability of these slopes, should the over-steepened angles be maintained. The methodology should comprise two components:

- A description of monitoring activities to be undertaken by CanZinc and their consultants and/or contractors including, but not limited to, frequency of inspections/observations, inspection personnel, determining what are signs of concern, and reporting/record keeping.
- A description of the mitigation strategy (ies) outlining what actions should be undertaken should erosion or instability issues arise either prior to or during deactivation of the Winter Road. This should detail the materials and equipment needed to address mitigation, locations of material stockpiles, and logistics for mobilization personnel, equipment and materials to the site.

END OF CONDITIONS