

Our File: EA1415-01

February 11, 2016

To: All parties to EA1415-01

Re: Finalization of Scope of Work for Independent Risk Assessor in EA1415-01

The Review Board has finalized the scope of work for the independent risk assessment consultant, Oboni Riskope Associates (Oboni Riskope), for the Canadian Zinc Corporation (CanZinc) Prairie Creek All Season Road environmental assessment (EA1415-01). This was based on feedback from the developer and parties to the environmental assessment (EA).

On February 2, 2016, the Review Board issued a letter to parties outlining a proposed scope of work for the risk assessment consultants.¹ Feedback on this proposed scope of work was received from the GNWT and CanZinc. The GNWT had no comments². CanZinc's response contained two types of recommendations which are presented below.³

1. Draft submission of the technical report

CanZinc recommended that Oboni Riskope provide a draft of its technical report to CanZinc for review prior to completion in order to ensure that all of the assumptions made are correct and that the resulting risk assessment accurately reflects the proposed project. The Review Board will not take this approach. Oboni Riskope will be acting as an independent advisor to the EA. Acting as a third party, it is important that Oboni Riskope remains independent.

For all technical reports, the Review Board will give the developer the opportunity to comment publicly. Since Oboni Riskope's technical report may be used by parties to assist with preparing their technical reports, the Review Board will give CanZinc the opportunity to comment on the risk assessment prior to the submission of other parties' technical reports. This process will be public, and all parties, including the developer, will receive the Oboni Riskope technical report at the same time. This will allow CanZinc to express its views on the risk assessment prior to parties preparing their technical reports, while ensuring a fair, public and transparent process.

¹ The letter can be found on the public registry at http://www.reviewboard.ca/upload/project_document/EA1415-01_Third_Party_Risk_Assessor_SOW_and_CVs.PDF

² The letter can be found on the public registry at http://www.reviewboard.ca/upload/project_document/EA1415-01_GNWT_comment_on_Risk_Assessor_SOW_Feb-2-2016.PDF

³ The letter can be found on the public registry at http://www.reviewboard.ca/upload/project_document/EA1415-01_CanZinc_comments_on_Risk_Assessor_SOW.PDF



2. Editorial comments

CanZinc made three suggestions to clarify wording in the scope of work document. The Review Board believes that these changes are relatively minor and helpful for clarity of the document and have therefore been incorporated into the final scope of work for Oboni Riskope.

The finalized scope of work for Oboni Riskope is attached below.

The contacts for the Project are Environmental Assessment Officers Sachi De Souza (867) 766-7054; sdesouza@reviewboard.ca and Kate Mansfield (867) 766-7062; kmansfield@reviewboard.ca.



SUMMARY OF THE FINAL SCOPE OF WORK FOR OBO NI RISK OPE ASSOCIATES INCORPORATED

Review Board has retained an independent consulting firm to review all of the technical materials submitted by Canadian Zinc (CZN) relevant to the conductance of a risk assessment for the Prairie Creek All Season Road project. The independent consulting firm is:

Oboni Riskope Associates Incorporated (Oboni Riskope)
2302 West Fourth Ave
PO Box 19158 Fourth Ave
Vancouver BC V6K 4R8

The purpose of the Review Board's contract with Oboni Riskope is to complete a risk assessment for the proposed all season road development. The risk assessment will clearly identify the risks and associated consequences of the proposed road in plain language. The risk assessment must be based on the evidence on the Review Board's public record for the Prairie Creek All Season Road project. It will consider adverse impacts to the environment, people and infrastructure. The risk assessment will consider the proposed road project as a whole, and will particularly focus on:

- locations identified as moderate, high, and very high risk from a geohazards and terrain stability perspective⁴
- the sundog creek realignment
- locations that may be considered more sensitive, either in terms of habitat or the potential for dispersal of a spill, where an accident might result in a high consequence event (this should include areas with karst topography)
- where an accident is more likely considering the terrain and proposed road design
- locations where channel avulsion risks are considered to be likely to effect the road and/or road crossing structures

The technical report describing the contractor's risk assessment should specifically answer the following questions:

- components within the risk assessment:
 - what are the risk elements?
 - what is the probability of an adverse consequence to elements at risk?
 - what are the consequences and severity of each risk?
- summary of risk assessment findings:
 - where are the riskiest locations and what are the associated consequences?
 - where are the highest consequence locations?
 - are the risks tolerable and acceptable without mitigations?
 - are the risks tolerable and acceptable with mitigations?

⁴ As defined in the Mapping Summary Report ([PR#107](#)), Appendix F of the DAR Addendum ([PR#99](#)), and Appendix 2 of the DAR ([PR#129](#))



- what are the residual risks if mitigations are implemented and are the proposed mitigations appropriate and sufficient?
 - what are the tradeoffs between the proposed alignments from a risk perspective?
 - how do the risks differ between a winter road versus and all-season road?
 - what are the possible systemic mechanisms that could lead to a failure?
 - what are the priority risks to consider / manage overall?
- what are the major uncertainties in the risk assessment and how were they accounted for?
- what are the assumptions for the risk assessment and what are the implications of the assumptions being incorrect?

The project-specific part of this environmental assessment does not include previously assessed components. The environmental assessment will include cumulative effects.

The contractor will participate in a phased approach described below:

Phase 1- Technical Review

Oboni Riskope will review all existing relevant material on the record for this environmental assessment and prepare information requests to be issued to the developer. The information contained in and flowing from these information requests will be available for all parties to see. Following the information request stage, an Oboni Riskope representative will participate in person in the Technical Sessions where they will be available to ask questions to the developer as well as answer any questions asked of them by other parties.

Phase 2- Technical Report and Hearings

Oboni Riskope will participate in the second round of information requests in the same way as described for Phase 1. Oboni Riskope will attend and participate in the public hearings as a third party technical advisor to this environmental assessment, meaning that it will participate in the preparation of a technical report and the public hearing in the same manner as other parties. Its technical report, describing the findings of their risk assessment, will be made publically available prior to the submission of other parties' technical reports. Parties may follow up on and make sure of the information in the Oboni Riskope technical report in their own technical reports, if desired.

Oboni Riskope's participation in the public hearing will include:

- presenting a plain language summary of its risk assessment for the Review Board and parties
- preparing questions to ask during the public hearing
- being available to answer questions from other parties regarding the findings of the risk assessment
- reviewing and responding to relevant undertaking responses from the developer.

Oboni Riskope will also be available at the hearing for cross examination by other parties.



Oboni Riskope will prepare a final written summary as its closing submission. The closing submission will describe Oboni Riskope's views on any significant adverse impacts that, in their opinion, have not been mitigated through the environmental assessment process and make related recommendations. All information and technical expertise provided by Oboni Riskope to the Review Board will also be made available to all parties to this environmental assessment and to the Developer.

Oboni Riskope will not participate in the Review Board deliberations.

CVs for the Oboni Riskope team that will be working on this risk assessment can be found on the public registry as PR#142⁵.

⁵ http://reviewboard.ca/upload/project_document/EA1415-01_Third_Party_Risk_Assessor_SOW_and_CVs.PDF