



Date: September 30, 2015

To: Dana Haggar, Mine Manager
Teck Resources Limited, Sullivan Mine

Cc: Diane Howe, Deputy Chief Inspector, Reclamation and Permitting, MEM
Heather Narynski, A/ Manager Geotechnical Engineering, MEM

Re: **Review of Letter of Assurance Submission from June 30, 2015**

The Ministry of Energy and Mines (MEM) has engaged a consulting firm to evaluate the consistency and compliance of your letter of assurance in response to the Chief Inspector's orders issued on February 3, 2015. This review has determined that your submission satisfies the requirements of the order.

Below is a summary of the assessment made by your Qualified Professional Engineer (QPE), it is understood that no immediate gaps have been identified:

Status of Foundation Condition

"Possible glacio-lacustrine or lacustrine solis were encountered in one test pit at the Sludge Pond. The design documents reviewed do not indicate how this material was accounted for in the design. Annual dam safety inspections show the dyke to be in good condition and given the current status of the pond with no plan for raising dykes in the near future, there is no construction/operational trigger for an undrained failure to occur. If and when the pond capacity needs to be expanded, it is recommended that site investigation should be conducted to characterize the clayey silt layer for design of any dyke raise."

Status of Water Balance Adequacy

"Sullivan Mine is a closed facility and a closure surface water management plan has been implemented such that runoff from flood events up to the Probable Maximum Flood (PMF) is safely discharged via drainage channels and spillways."

Status of Filter Adequacy

"Although there are some gaps in historic records regarding the design and construction of filters, the tailings facilities are no longer operating such that the phreatic surface, and therefore the hydraulic gradient, has been decreasing with time, which in turn reduces the risk of internal erosion and piping."

Please ensure that any recommendations made by your Qualified Professional Engineer have been addressed.

The orders issued on February 3, 2015 have been requested to provide assurance the conditions at the Mount Polley dam do not exist in other facilities. Please ensure that you are meeting your other ongoing requirements to ensure Tailings Storage Facility safety with respect to the following:

- Satisfying any outstanding orders from previous Ministry inspection reports.
- Satisfying any outstanding recommendations from previous Dam Safety Inspections (DSI) or Dam Safety Reviews (DSR).

It is expected that you will ensure dam safety management is continuously reviewed, improved and refined throughout the life of mine.

Thank you for your submission to the orders of February 3, 2015.

Sincerely,

A handwritten signature in black ink, appearing to read "Al Hoffman", written over a horizontal line.

*Al Hoffman, P. Eng.
Chief Inspector of Mines
Ministry of Energy and Mines*