

27 November 2014

AMEC File: TE143021

VIA EMAIL

Teck Highland Valley Copper Partnership
P.O. Box 1500
Logan Lake, British Columbia
V0K 1W0

Attention: Mr. Chris Fleming

Dear Chris,

**Reference: Teck HVC Tailings Facilities –
Emergency Preparedness and Response Plan Tabletop Testing**

At the request of Teck Highland Valley Copper Partnership (HVC), Mr. Michael Cyr, P.Eng. and Mr. Andrew Witte, P.Eng. of AMEC Environment and Infrastructure (AMEC) attended a two day Emergency Preparedness and Response Plan (EPRP) testing workshop for the Tailings Storage Facilities (TSFs) at the HVC site. The workshop was held at the Coast Hotel in Kamloops on October 17-18, 2014 and was facilitated by Casey Bates and Josh Hancock of ERM. Following the workshop AMEC was request to prepare a letter summarising the workshop.

The scope of the workshop included tabletop testing of the EPRP systems and procedures in response to various hypothetical dam breach and/or flood scenarios. The testing also included a review of the relevant sections of the Operation, Maintenance, and Surveillance (OMS) Manuals prior to each test scenario. The following tailings facilities were included in the testing:

- Highland TSF (L-L Dam and H-H Dam Scenarios)
- Highmont TSF (North Dam and South Dam Scenarios)
- Bethlehem TSF (Bethlehem Dam No. 1, Bose Lake Dam and Trojan Dam Scenarios)

The workshop was well attended and included a good representation of HVC operations personnel¹ as well as representatives from external agencies (i.e., Ministry of Environment, Thompson-Nicola Regional District and Emergency Management British Columbia) and the design Engineer-of-Record for the facilities (i.e., Klohn Crippen Berger).

We were very impressed with the thoroughness of the test scenarios which were each tailored to test specific aspects of the EPRPs, ranging in severity from full-scale evacuations of downstream communities to local containment and response within the site. It was evident that HVC spent a

¹ Delegates included representatives from HVC Tailings & Water Management, Environment, Administration, Mine Operations, Mill Operations, Maintenance, Mill Planning, Protective Services, Safety and Loss Control, Environment & Community Affairs.

great deal of time generating these scenarios. Scenarios also covered different areas around the site including the Thompson River and Logan Lake. Overall, the discussions were very dynamic where the participants contributed freely to the dialogue based on their specific areas of expertise. The participants demonstrated a keen awareness of the procedures in place and contributed valuable insight into the interdependencies between departments and their roles in the context of emergency planning.

It is our opinion that Teck has satisfied the intent of the August 18, 2014 Ministerial orders regarding EPRP testing. It was clearly evident that a significant amount of effort and time was spent on the EPRP and OMS systems. Moreover Teck has set itself apart as an industry leader by demonstrating a true commitment to the safety of the public and the environment.

Sincerely,

**AMEC Environment & Infrastructure,
a Division of AMEC Americas Limited**

A handwritten signature in blue ink, appearing to read "Michael Cyr".

Michael Cyr, P.Eng.
Geotechnical Engineer

A handwritten signature in blue ink, appearing to read "Andrew Witte".

Andrew Witte, M.Eng., P.Eng.
Senior Geotechnical Engineer