

EMNG Letter: Review of LL-Dam Break and Inundation Study and Emergency Preparedness and Response Plan
Dated November 29, 2012

Reference	Details	Due Date	Status	Action Plan
Item #1	Please provide a rationale for the study area that was chosen given the apparent discrepancy with the requirements of the Dam Safety Guidelines.	3/31/2013	On-track	Provide rationale to MEMNG for the study area that was chosen in the Klohn Crippen Berger Inundation Study given perceived discrepancy with the CDA Guidelines. Develop a gap assessment for the inundation study LL-Dam 1279m el. taking into account the CDA-Guidelines
Item #2	Determine the number of flooded homes or the number of affected people in Spences Bridge and in the community near the mouth of the Nicola River.	6/30/2013	On-track	Generate a map and a table that defines the number of flooded homes, estimated water depths and estimate number of people affected in the inundation area.
Item #3	Determine the number of expected casualties or the number of vulnerable people in the Pukaist Creek Valley if local emergency response agencies are to be expected to plan effectively for an inundation event.	6/30/2013	On-track	Generate a map that defines the number of flooded homes, the water depth to estimate number of people affected in the inundation area.
Item #4	Provide an inventory of affected bridges and road segments for effective planning by local emergency response agencies.	3/31/2013	On-track	Have Klohn Crippen Berger develop a table of affected bridges and road segments including ownership from the inundation study. Include in next revision of Highland Tailings OMS.
Item #5	Better define the potential environmental effects of a dam breach (i.e. fisheries, water quality, etc.) within the Inundation Study.	12/31/2013	On-track	Develop an additional study that considers the impact of an inundation event on the environment and Nlkapamux rights including potential effects on wells and other sources of potable water in the inundation area

Item #6	Include the Ministry of Transportation in the Emergency Reporting Chart (following p. 71 of the EPRP) and in Table 2 of the EPRP.	2/28/2013	Complete – pending OMS manual update scheduled for 6/30/2013	Include Ministry of Transportation in ERP Emergency Reporting Chart Pg. 71 of ERP and table 2.
Item #7	All agencies that could be expected to initiate evacuations of the public or road closures if flooding occurs should be included in the emergency reporting procedure.	3/31/2013	On-track	Contact local response agencies and communities to review capacity for response and define responsibilities in regards to a major dam failure. Agencies include EMBC, TNRD and MOT. Define how downstream communities would be notified of an impending failure. Involve Spences Bridge RCMP and Fire Department.
Item #8	Determine how HVC may need to take action where the capability of local agencies is insufficient.	3/31/2013	On-track	Contact local response agencies and communities to review capacity for response and define responsibilities in regards to a major dam failure. Agencies include EMBC, TNRD and MOT. Define how downstream communities would be notified of an impending failure. Involve Spences Bridge RCMP and Fire Department.
Item #9	Clarify how downstream communities would be notified of an impending failure.	3/31/2013	On-track	Contact local response agencies and communities to review capacity for response and define responsibilities in regards to a major dam failure. Agencies include EMBC, TNRD and MOT. Define how downstream communities would be notified of an impending failure. Involve Spences Bridge RCMP and Fire Department.
Initiative #1	Will the TRB be given an opportunity to review the Inundation Study and EPRP?	3/31/2013	On-track	Yes – HVC will ensure that the Tailings Review Board has had an opportunity to review the LL Dam Inundation Study and EPRP.

Initiative #2	Will this [impact] study include potential effects on wells and other sources of potable water?	12/31/2013	On-track	Yes – HVC will develop an additional study that considers the impact of an inundation event on the environment and Nlkapamux rights including potential effects on wells and other sources of potable water in the inundation area. The date for completion reflects the time the effort to undertake this task.
Initiative #3	What lessons were learned from the November 15, 2012 ERP exercise?	1/31/2013	On-track	Lessons learned from the test of ERP conducted Nov 15 th will be provided to the Province, and interested Nlaka'pamux.

Letter	Propose a timeline for a detailed response by December 15, 2012.	12/15/2012	Complete	Send a letter of response to the MEMNG regarding a proposed timeline for a detailed response to MEMNG letter dated November 29, 2012. Consider including HVC Audit Report of corrective actions regarding the test of the ERP on Nov 15th.
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