

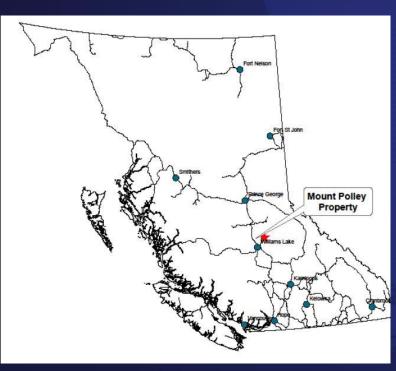


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Ministry of Energy and Mines
July 2015



Mount Polley Mine

Likely, B.C.



- In the morning of August 4, 2014, the tailings pond dam at the Mt.
 Polley Mine site breached
- The estimated total volume of materials released as a result of the breach is 25 million cubic metres.
- This was an unprecedented disaster in BC's mining history





Mount Polley Breach







Video

 Global News footage of Mount Polley breach – August 2014







Video

 Remediation of Hazeltine Creek – video credit Golder and Associates and Imperial Metals.







- The Province of British Columbia committed to take measures to prevent a similar event in the future
- Three investigations were launched immediately following the breach:
 - Independent expert engineering panel
 - Chief Inspector of Mines (MEM)
 - Conservation Officer Service (MOE)
- Additionally, Chief Inspector of Mines ordered expedited dam safety inspections and third-party review for all B.C. mines



Mount Polley: Remediation

- Remediation of the impacted area continues
- Ministry of Environment and Mount Polley Mining Corporation continue to monitor water quality
- Community meetings continue to be held to inform residents and First Nations
- Ministry of Environment continues to work on remediation plans and site clean-up with company





Mount Polley: Remediation







Mount Polley: Independent Panel

- On Aug. 18, 2014, with support of local First Nations, three world-renowned geotechnical experts appointed as panel members
- Panel established under Ministry of Energy and Mines Act and given the power to compel evidence



Mount Polley: Independent Panel Report and Recommendations

- Report released January 30, 2015
- Panel determined cause of breach





- The Province accepted all seven recommendations
 - Implement best available technology using a phased approach
 - Improve corporate governance
 - Expand corporate design commitments
 - Enhance validation of safety and regulation of all phases of a TSF
 - Strengthen current regulatory operations
 - Improve professional practice
 - Improve dam safety guidelines





- Actions already underway
 - B.C. Environmental Assessment Office setting out additional information requirements in order to evaluate tailings management options
 - Professional engineers developing further guidance
 - Initiated a dialogue on mining with First Nations in B.C.





Mount Polley: Path Forward

- In response to technical panel's findings, Chief Inspector directed all B.C. mines to assess the following
 - Undrained shear failure of silt and clay foundations
 - Water balance adequacy
 - Filter adequacy
- Results to be provided to MEM by June 30, 2015 to confirm if conditions similar to Mount Polley may exist and what actions will be taken



Mount Polley: Path Forward

- Code Review Committee and appointed.
- The Code Review Committee will be chaired by the Chief Inspector of Mines and comprises an equal number of representatives from mine labour unions, First Nations and mine operations' management.





- Code Review Committee to determine how best to implement the expert panel recommendations.
- Expedited Tailings Storage technical review expected to be completed by the early 2016.
- Tailings Storage revisions in force by mid-2016.
- Health and Safety technical review through 2016.
- Health and Safety revisions in force by spring 2017.



Mount Polley Mine – Restricted Restart

- On July 9 a conditional authorization was given to the Mount Polley Mine Corporation to begin restricted operations
- The Mines Act permit authorizes to operate at half the rate of normal operations
- TSF will not be utilized during the operation Springer Pit, an existing open pit on the mine site, will be used to manage the tailings





Mining in B.C. – Moving Forward

- We are taking measures to prevent a similar event in the future and part of this commitment includes reviewing our regulatory framework
- We continue to work with other agencies and First Nations as part of the ongoing response