GENERAL INSTRUCTIONS FOR EXCEL TEMPLATE:

- 1. Do not leave blank rows above or between comments.
- 2. Do not modify or delete the instructions or the column headings (i.e. the grey areas).
- 3. Each comment must have an associated topic and recommendation.
- 4. All formatting (i.e. bullets) will be lost when this file is uploaded to the Online Comment Table.
- 5. If necessary, adjust the cell width and height in order to view all text.
- 6. Cutting and pasting comments from WORD documents cannot include hard returns (spaces between paragraphs).
- 7. If you would like to create paragraphs within a single cell, please use a proper carriage return (ALT & ENTER).

TOPIC	COMMENT	RECOMMENDATION
Be as specific as you think is appropriate; for example a section or page of the document, a recommendation #, general comment, etc.	Comments should contain all the information needed for the proponent and the Board to understand the rationale for the accompanying recommendation.	Recommendations can be for the proponent or for the Board. Recommendations should be as specific as possible, relating the issues raised in the "comment" column to an action that you believe is necessary.
	Pg. 5-2 and 5-3, 5.3 Beartooth Pit, there is no discussion of whether the filling of	The Board should examine the issue of
	Beartooth with FPK would influence the maintenance of the permafrost around the pit any differently than the existing deposition of minewater. Was this covered in the 2009 EBA study mentioned, but not referenced (the study is referenced in	whether an operating thermistor string between Beartooth and Panda is
Permafrost around Beartooth Pit	Appendix D and should be made available by BHPB available)? Was any data collected from the thermistor cable between Beartooth and Panda before it no longer worked and did that data support the EBA study?	required and, if so, direct the company to replace the failed one.

Adaptive Management	Pg. 4-16, 4.9 Operating Uncertainties and Mitigation Strategies, states the following: "The very nature of these uncertainties precludes a pre-determined response plan because one does not know what the risk is until it is identified. Instead, the ongoing cycle of monitoring and review of information will be used to identify trends and to then develop the most appropriate response plan based on the circumstances at hand." The approach described here is not consistent with adaptive management which, by definition, attempts to identify the uncertainties and make testable predictions for future performance. By 'precluding a predetermined response plan' because of unknown risks, BHPB is rationalizing why a contingency plan cannot be prepared. Instead, it proposes to craft a response on an ad hoc basis as the upset condition develops. This approach is at odds with prevailing industry standards and with best practices, and should not be permitted.	WPKMP should be revised to reflect the principles of adaptive
	T and the second	BHPB should provide an explanation as to whether FPK thickening was considered an option
FPK Deposition	Pg. 4-11, 4.8.3 Recommended Deposition Plan, did BHPB consider thickening the	during its internal evaluation of LLCF
Options	FPK before disposal to provide for additional space in the available capacity?	thickening was rejected.

Beartooth Pit Water	Pg. 4-7, 4.7 Beartooth Pit, the description of how long Beartooth Pit may be used as a sump is helpful but a more detailed discussion of the criteria or key factors in deciding when minewater may be returned to the LLCF or used in ore processing should be provided. This information would be helpful in understanding and modelling LLCF water quality as the Beartooth minewater may be moved into the LLCF.	BHPB should provide an explanation as to when Beatooth pit water will be removed to allow for PK deposition and the factors or criteria that will be used to determine whether the water will be reclaimed for ore processing or sent to the LLCF.
Beartooth Pit Water	Appendix D, Pg. 43, 3.4.1.3 Environment [Beartooth], the third paragraph discusses the environmental benefit of diverting minewater to Beartooth but this water may be put through the LLCF as Beartooth is filled with PK. BHPB has expended significant resources to manage nitrate and chloride in the LLCF but the 2011 WPKMP may see Beartooth pit water moved to the LLCF. The implications of the movement of Beartooth pit water for water quality in the LLCF is not discussed.	BHPB should discuss how and to what extent LLCF water quality may change as a result of the addition of Beartooth pit water, and any management measures that may be necessary.

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	Appendix D, Pg. 44-45, 3.4.1.4 Closure [Beartooth], this section	
	discusses the effects on closure of using Beartooth for PK deposition but the	BHPB should provide
	assumption is that water quality within Beartooth will allow for the pit to be	some explanation of what
	reconnected. Assuming that some minewater will continue to be stored in	the Beartooth pit water
	Beartooth, predictions of water quality with and without PK would be helpful.	quality will be with and
Beartooth Pit	This information would be helpful in assessing the risks of PK deposition into	without the addition of
Water	Beartooth and better evaluating environmental benefits and costs.	PK.
		BHPB should clarify
		whether the objectives of
		Beartooth pit water
		monitoring include
		whether meromixis is
		taking place and
Beartooth Pit	Pg. 5-2 and 5-3, 5.3 Beartooth Pit, monitoring does not appear to	verification of pit water
Water Quality	include any objectives related to whether meromixis is taking place or to verify pit	modelling (water quality
Monitoring	water modelling that might be done (see pg. 6-3, bullet 6).	and water stability).
		BHPB should begin pit
		water modelling for
		Beartooth as quickly as
		possible and make efforts
		to verify the results and
		recalibrate the model
	Appendix D, Pg. 59, 4.3 Environment recommends quarterly pit water monitoring	using monitoring data.
Beartooth Pit	(water column profiles) inside Beartooth but notes safety concerns and that this	The results of this
Water Quality	may not be possible or only in winter. Pit water modelling was supposed to be	modelling should be
Monitoring	completed in 2007 under the approved Pit Lakes Studies Terms of Reference.	reported to the WLWB.