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.

Item Number	Topic	Comment	Recommendation
1	Cover Letter and Thermal	Concerns about the long-term	As there is some urgency to this issue,
	Modelling Report (pgs. 10-	behaviour of both the Fox and	the WLWB should direct DDEC to
	11), Plans to Gather More	Misery WRSAs have been	submit a plan for [1] evaluating the
	Data from the Waste Rock	expressed for several years now, by	effectiveness of its current ground
	Piles	the Agency and by the WLWB.	temperature monitoring system for the
		DDEC states that it is developing a	Ekati WRSAs, especially for the Fox
		work plan for completion of thermal	and Misery WRSAs; and, [2] the
		modelling for the Fox Waste Rock	immediate upgrading of the monitoring
		Storage Area. No date is provided	system (i.e., new GTCs), at the earliest
		for submission of this plan and there	possible time, with a view to
		is no discussion of how it relates to	implementing the upgrade as soon as
		the second phase submission in	possible (i.e., summer of 2015). Please
		November 2015. It is not clear	note that this is the most important
		whether DDEC is planning further	recommendation from the Agency in
		GTCs in Fox or other Waste Rock	reviewing this submission.
		Storage Areas. The EBA report	

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		notes that data from the Misery WRSA "may indicate that internal heat (possibly due to sulphide oxidation) may be generated in localized areas (possible schist layers) in the pile." Unfortunately, there have been no data from this location since 2007. EBA also recommends that DDEC "evaluate requirements for new GTCs in the areas where either no GTC exists or the existing GTCs are no longer operational, especially in the central areas of the piles where the expected ground temperatures are among the warmest." There is no response or plan from DDEC to this recommendation from its consultants.	
2	Ecological Risk Assessment, Potential for Seeps to Act as Mineral Licks	The Agency could not find any discussion in the Ecological Risk Assessment of the potential for the seeps from the various Waste Rock Storage Areas (WRSAs) to act as mineral licks for animals. We recognize that this is not likely the case now but this topic should be covered in the second phase of the work for the long-term. The concern is around the potential for mineral residues to contain metals that may be harmful to wildlife.	For the closure ERA, DDEC should consider the potential for the seeps to act as mineral licks for wildlife over the long-term.

Item Number	Topic	Comment	Recommendation
3	Thermal Modelling Report, Period of Operation for Ground Temperature Cables (s. 4.0, pgs. 3-5)	The Agency notes the discussion of the various ground temperature cables (GTCs) in WRSAs at Ekati. It would be helpful to have a single table that lists all GTC identifier numbers, locations, periods of operation, comments about function at various depths, and the dates when readings have been taken.	DDEC should provide a single table that lists all GTC identifier numbers, locations, periods of operation, comments about function at various depths, and the dates when readings have been taken.
4	Thermal Modelling Report, Period of Operation for the Waste Rock Storage Areas and GTCs (s. 4.0, pgs. 3-5)	There does not appear to be any discussion of how long the WRSAs will remain in operation or how long the GTCs are expected to remain in operation in order to provide the necessary information to properly manage the WRSAs. This may be part of the second phase of this work but DDEC should provide some clarity around what will be done in the second phase.	DDEC should indicate how long the WRSAs will remain in operation and how long the GTCs are expected to remain in operation in order to provide the necessary information to properly manage the WRSAs. DDEC should provide some clarity around what will be done in the second phase in terms of thermal modelling.
5	Thermal Modelling, Modelling and Thermal Analyses (s. 5.1, pg. 5 and 5.6.1, 5.6.2, 5.6.3, pgs. 9-10)	The EBA report states that a "two-dimensional finite element computer model, GEOTHERM" was used. The thermal analyses presented for the Panda/Koala, Coarse PK Storage Area and Misery are "one-dimensional". Given the scale and size of the waste rock piles at the site and their proximity to waterbodies, it is not clear why three-dimensional modelling might be more appropriate.	DDEC should clarify whether one or two-dimensional modelling was conducted, how that relates to the analyses presented, and provide a detailed explanation as to why three-dimensional modelling has not been conducted. The merits of various modelling approaches and implications for the ecological risk assessment work should also be discussed.