

PKMW Hearing

DDMI Response to Undertaking #3: On-Land Processed Kimberlite Containment Facility Advantages and Disadvantages

Advantages

- Would not require the construction of pipelines.
- DDMI has 17 years' experience with the on-land disposal of processed kimberlite.
- Would not require an Environmental Assessment or a Water Licence Amendment as this option is already permitted.

Disadvantages

- Would require the construction of an additional 4 meter dam raise over 6 kilometers long.
- Would increase the size of the Processed Kimberlite Containment Facility by 4 meters and contain an additional 5 million cubic meters of processed kimberlite.
- Increases the amount of processed kimberlite stored in a less secure location.
- Long-term porewater release from the additional on-land storage of processed kimberlite would add to the surface run-off entering Lac de Gras.
- Higher potential for direct contact of wildlife, including caribou, with processed kimberlite as closure of the on-land facility would be delayed by 3 years.
- Options available for the closure of the on-land storage facility would be reduced as there would no longer be an option to dredge the extra fine processed kimberlite (EFPK) for disposal in a more secure location in the mine workings.
- More Lac de Gras water would be required to fill the A418 mine workings at closure.