

Day 4, April 23rd: Water (cont'd), Fish and fish habitat, Minimizing impacts and maximizing benefits

Homework from Day 4: 23 through 24 (2 total)		
Homework #	Topic – Subtopic	Homework/Undertaking/Commitment
Homework #23	Fish and fish habitat – Changes to fish habitat	DDEC is to provide the qualifiers used for spawning habitat quality in categorizing shoals
Homework #24	Minimizing impacts and maximizing benefits	DDEC is to confirm whether the 55% northern participation rate projection figure for 2021 is for Ekati as a whole or Jay specifically; At what point between 2021 and 2031 will the operational target of 62% be reached?

Undertakings from Day 4: 10 through 15 (6 total)		
Undertaking #	Topic – Subtopic	Homework/Undertaking/Commitment
Undertaking #10	Water – Jay Pit (Model Inputs)	DDEC is to review the Diavik pre-mitigation (prior to 2008) wet sump ammonia and nitrate water quality results and provide a recommendation as to whether their incorporation into the water quality model for the Misery pit is worthwhile by May 8 th (further to Homework #15)
Undertaking #11	Water – Closure	DDEC is to provide water chemistry data for LDS stations 1-12 for the period concurrent with discharge from the King Pond Settling Facility in order to evaluate the potential for differences between reference and baseline conditions; DDEC will provide the station water quality data for the following Lac de Gras stations referenced in Table 52-2 from GNWT-IR-52: BHPS1-BHPS3; LDG40-LDG49
Undertaking #12	Water – Closure	DDEC is to evaluate the post-closure predictions at the outflow of Misery pit with reasonable case estimate and its implications on significance determinations by May 8 th
Undertaking #13	Water – Closure	DDEC is to provide input (excel) data used to plot hydrographs (figure 33-2, 33-3, GNWT-IR-33) and compare Desteffany Lake and LDG outlets (amends Undertaking #7)
Undertaking #14	Fish and fish habitat	DDEC is to provide a clear and understandable description of how the specific criteria included in Table 8.7-1 of the DAR relates to this overall definition of significance, specifically: 1) Does this definition apply to all time periods? Or only post-operations?; 2) Why would multiple constituents have to be in

		exceedance of water quality guidelines have in order to meet the threshold for significance?; and 3) The local boundary is established as the outlet of Lac de Gras; why was this chosen as the end of the local assessment boundary instead of, for example, the outlet of LDS or any of the small lakes between the LLCF and LDG?
Undertaking #15	Water Quality	DDEC is to provide data for total loads in all periods for all phosphorus loading sites in Lac du Sauvage (similar to those found in figure 61-1, MVEIRB-IR-61, but for Lac du Sauvage specifically)

Commitments from Day 4: 5 through 6 (2 total)		
Commitment #	Topic – Subtopic	Homework/Undertaking/Commitment
Commitment #5	Water – Water Quality	DDEC is to hold a meeting(s) to discuss questions related to the sensitivity of groundwater model
Commitment #6	Minimizing impacts and maximizing benefits – community well-being	DDEC is to prepare a summary report (in the future) from annual meetings between the GNWT and DDEC describing performance on SEA community wellness and health indicators and DDEC's actions to address performance issues (acknowledging that all proprietary information will be omitted)