

Day 1, April 20th : Project Description and Alternatives, Wildlife (excluding Caribou)

Homework from Day 1: 1 through 6 (6 total)		
Homework #	Topic – Subtopic	Homework
Homework #1	Project Description and Alternatives – Dike design	DDEC is to provide a response regarding Brian Watts' Dike design question (follow up to the recommendations in the pre-feasibility design report) by the end of the Technical Sessions (completed)
Homework #2	Project Description and Alternatives – Waste Rock Storage Area	DDEC is to provide the number of water bodies altered by Ekati to date by the end of the Technical Sessions (completed)
Homework #3	Wildlife	DDEC is to provide a response before the end of the Technical Sessions regarding completing a WEMP and/or WWHMP for the Jay Project (completed)
Homework #4	Wildlife	DDEC is to prepare a preliminary list by the end of the Technical Sessions clarifying what plans will be prepared and during what stage (including dates or timelines, and relationship of plans to each other) for: Traffic Management Plan (Wildlife and Roads Mitigation Plan); Wildlife Management Plan; and Air Quality Monitoring/Management Plan (completed)
Homework #5	Wildlife – Birds	GNWT-ENR defers Review Board question regarding implications to falcon nesting from re-flooding of the Jay pit until tomorrow (April 21 st) (completed)
Homework #6	Wildlife – Birds	EC is to submit the Short-eared Owl management plan (draft), and Rusty Blackbird SARA management plan (proposed) to the Review Board to be posted on the Public Registry (completed)

Commitments from Day 1: 1 (1 total)		
Commitment #	Topic – Subtopic	Commitment
Commitment #1	Project Description and Alternatives – Dike design	DDEC commits to creating an Independent Dike Review Board/Panel prior to construction

Day 2, April 21st: Caribou

Homework from Day 2: 7 through 14 (7 total)		
Homework #	Topic – Subtopic	Homework
Homework #7	Caribou – Roads and Utilities	DDEC is to review traffic estimate calculations and revise Table 2 (DAR-

		Appendix C) to correct this information in order to understand caribou deflection rates and behavioral changes – the intention is still to complete this change by the end of the Technical Session; to be submitted to the Review Board and posted on the Public Registry (completed)
Homework #8	Caribou – Roads and Utilities	DDEC will provide correct figures regarding total number of roads and which of those are used as caribou crossings by the end of the day; to be submitted to the Review Board and posted on the Public Registry (became Undertaking #1)
Homework #9	Caribou – Roads and Utilities	DDEC is to clarify size of crush to be used for caribou crossings on the Jay road (and how it compares to existing Misery road crossings) tomorrow if possible morning (completed)
Homework #10	Dust, light, noise – zone of influence	DDEC is to provide information regarding the dust impacts on lichen (after closure) after consultation with the company's closure expert by the end of the Technical Sessions (completed)
Homework #11	Dust, light, noise – zone of influence	DDEC is to provide a table of information related to the area affected by the blasting tomorrow morning if possible; to be submitted to the Review Board for posting on the Public Registry (completed)
Homework #12	Dust, light, noise – zone of influence	IEMA is to provide presentation/documents regarding dust impacts from an IEMA workshop to the Review Board to be posted on the Public Registry (completed)
Homework #13	Caribou – Cumulative Effects	DDEC is to consider the request to include Jay underground as an RFD as it may contribute to cumulative effects on caribou, and respond to this request tomorrow (became Undertaking #4)
Homework #14	Caribou and traffic	(Re IR 24 and 7 from KIA). Dominion to clarify responses from these IRs and justification for the contradictory statements. (completed)

Undertakings from Day 2: 1 through 3 (3 total)		
Undertaking #	Topic – Subtopic	Undertaking
Undertaking #1	Caribou – Roads and Utilities	DDEC is to provide a rough map with the location of berms along the Jay road where caribou crossings <u>will not</u> be located. Include total length of roads and proportion that are caribou crossings.
Undertaking #2	Caribou – Roads alternatives	DDEC is to conduct a full analysis for Anne Gunn's proposed road alternative (#4), as was done for the other proposed roads; to be submitted as an addendum to table 28.1 and 28.2 to the Review Board and posted on the Public Registry

Undertaking #3	Dust, light, noise – zone of influence	DDEC is to provide information regarding light pollution mitigation strategies from other industrial and mining sites and their applicability to Jay Project
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Commitments from Day 2: 2 through 4 (3 total)		
Commitment #	Topic – Subtopic	Commitment
Commitment #2	Caribou – Baseline	DDEC is to complete a draft Wildlife Effects Monitoring Plan (WEMP) and Wildlife and Wildlife Habitat Protection Plan (WWHPP) that incorporates Jay Project by Aug. 1 st , 2015 (further to Homework #3)
Commitment #3	Caribou – Roads and Utilities/Mitigation	Traffic Management Plan or Wildlife and Roads Mitigation Plan) to an appendix to WEMP. Input sought into plan that lays out the steps which will include linkage between monitoring and mitigation and incorporate input. Dominion to set out a plan on how it will incorporate those suggestions.
Commitment #4	Wildlife/Other	DDEC will submit any draft plans or existing management plans (e.g. those under review by WLWB) that may be used for reference by the Review Board (but not for review under the EA process); to be submitted to the Review Board and posted on the Public Registry

Day 3. April 22nd: Water

Homework from Day 3: 15 through 22 (8 total)		
Homework #	Topic – Subtopic	Homework
Homework #15	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 consider their incorporation into the water quality model for the Misery pit by the end of the Technical Sessions (becomes Undertaking #10)
Homework #16	Water – Jay Pit (Model Inputs)	DDEC is to confirm whether the inputs for the post-closure model were based on period 13 or 14 end of period results by the end of the Technical Sessions
Homework #17	Water – Hydrology	DDEC is to investigate what thresholds for surface water level and discharge rates for the narrows would trigger mitigation measures (e.g. modified back-flooding rates) during the Jay pit back-flooding period (completed)
Homework #18	Water – WRSA seepage	DDEC is to examine whether the results of the ARD analysis would differ if the

		carbonate neutralization potential rather than bulk neutralization potential were used (completed)
Homework #19	Water – Site Water Management (Effect of Wet/Dry years)	DDEC is to clarify values regarding runoff coefficients in Table B-3 from Appendix 3A (DAR) (completed)
Homework #20	Water – Capacity, contingency, and safety factors	DDEC is to provide clarification on the discrepancy between the duration of pumped outflows and increases/decreases in volume in the Jay and Misery pits (Figures 6-3, 6-6, DAR Appendix 3-A) (completed)
Homework #21	Water Quality	DDEC is to clarify whether chlorophyll a model predictions reflect actual chlorophyll a values, or some other metric of phytoplankton productivity in the Appendix 8-F model (completed)
Homework #22	Water Quality	DDEC is to clarify if the W-2 model accounts for salt exclusion (Appendix 8-G) (completed)

Undertakings from Day 3: 4 through 9 (6 total)		
Undertaking #	Topic – Subtopic	Undertaking
Undertaking #4	Caribou – Cumulative Effects	DDEC is to include Jay underground as an RFD case as it may contribute to cumulative effects on caribou (further to Homework #13) by May 8 th
Undertaking #5	Caribou – Roads and alternatives	DDEC is to complete a draft Traffic Management Plan for the Jay road by May 8 th , and host a short review period and subsequent workshop
Undertaking #6	Water – hydrogeology	DDEC will provide a summary of 2015 hydrogeology results and qualitatively describe how these updates align with previous predictions to the Review Board for inclusion on the public registry by August 1 st , 2015
Undertaking #7	Water – Hydrology (Model Design)	DDEC is to validate the hydrologic model for the Desteffany Lake outlet for the years possible (in order to increase the certainty of accuracy of the model) by May 8 th
Undertaking #8	Water – Water Quality	DDEC is to provide a comparison of the volumes of Lac de Gras and Snap Lake (including residency time/turnover of water in Lac De Gras) and the total volumes of effluent that will be discharged into these lakes by May 8 th
Undertaking #9	Water – Site Water Management	DDEC will examine publically available information on pumping test data from Dewey's Fault, specifically the type of testing that was conducted in the Diavik case and identify the potential for conducting such testing at Ekati and its relevance for the Jay case

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
Homework #23	Fish and fish habitat – Changes to fish habitat	DDEC is to provide the qualifiers used for spawning habitat quality in categorizing shoals (completed; documents to be submitted to the Review Board to be posted on the Public Registry)
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? (completed)

Undertakings from Day 4: 10 through 15 (6 total)		
Undertaking #	Topic – Subtopic	Undertaking
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	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)

Day 5, April 23rd: Air Quality, Outstanding issues

Homework from Day 5: 25 through (total)		
Homework #	Topic – Subtopic	Homework

Undertakings from Day 5: 16 through (total)		
Undertaking #	Topic – Subtopic	Undertaking

Undertaking #16	Wildlife	DDEC is to review the ICRP to clarify the project's closure objectives specifically in regards to lichen re-colonization and re-vegetation
Undertaking #17	Air Quality – GNWT Ambient Air Quality Guidelines	GNWT is to provide information on the outcome of a legal opinion regarding whether the Ambient Air Quality Guidelines are mandatory, and if they apply to the Jay Project
Undertaking #18	Air Quality – GNWT Ambient Air Quality Guidelines	DDEC is to report on if portions of their internal policy on occupational health and safety regarding air quality may be made available
Undertaking #19	Air Quality	DDEC is to submit a current list of the truck fleet in operation at Ekati and their model years and type; to be submitted to the Review Board and posted on the Public Registry
Undertaking #20	Air Quality	DDEC will update the map from the overall air quality model with information from the dustfall monitors adjacent to the ekati airport
Undertaking #21	Air Quality	DDEC will confirm if the 80% control efficiency rate for emissions mentioned in Appendix 7B of the DAR was incorporated in the calpuff model
Undertaking #22	Air Quality	DDEC will provide a description of the geographic boundary of the assessment endpoint for air quality (i.e. the GNWT air quality guidelines)
Undertaking #23	Consultation	GC will investigate specific consultation responsibilities of the government of Canada with respect to the Jay project and report results to the Review Board by May 8 th
Undertaking #24	Community and Public Concerns	DDEC will provide a table of the issues identified in DDEC's response to IRs IEMA 37 and LKDFN 8 that organizes these issues by intervening group

Commitments from Day 5: 7 through (total)		
Commitment #	Topic – Subtopic	Commitment
Commitment #7	Air Quality	DDEC is to hold a meeting with EC to clarify emissions model and will prepare a summary report of the results of this meeting to be submitted to the Review Board