Updated Commitments Tracking Table

Northern Gateway Pipelines Inc.
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Project Stage for Implementation of Commitment	Responsibility for Commitment	#	Document Reference(s)	JRP Exhibit #	Topic	Commitment Description	Related Condition(s)	Additional Comments	Status
Project Design	Aboriginal Engagement	1	Attachment to NGP Response to JRP IR 5.9	B040-04, p.193	Aboriginal Engagement - Archaeological assessments	Swan River First Nation ("SRFN"): Northern Gateway will present any results of archaeological assessments performed on or near SRFN Traditional Territory that can be provided to SRFN, review the route and to discuss whether route adjustments or other mitigation measures are required to protect traditional use land sites.	053-R, 054-R, 055-R, 056-R	AA-01-01 in response to JRP IR 15.1.	Complete-to-date
Project Design	Aboriginal Engagement	2	Attachment to NGP Response to JRP IR 5.9	B040-04, p.53	Aboriginal Engagement - Archaeological fieldwork	Enoch Cree Nation ("ECN"): During detailed engineering and routing, Northern Gateway will look for opportunities to include the ECN in archaeological fieldwork, including discussions of the Big Hill gathering area.	063-R, 064-R, 065-R, 066-R	AA-01-02 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	3	Attachment to NGP Response to JRP IR 5.9	B040-04, p.107	Aboriginal Engagement - Archaeological fieldwork	Grande Cache Métis Local #1994 ("GCML"): During detailed engineering and routing, Northern Gateway will look for opportunities to include the GCML in archaeological fieldwork. Buffers around burial sites will be established in consultation with the Archaeology Branch and the affected Aboriginal group.	063-R, 064-R, 065-R, 066-R	AA-01-03 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	4	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.43	Aboriginal Engagement - Archaeological fieldwork	Saddle Lake Cree Nation ("SLCN"): During detailed engineering and routing, Northern Gateway will look for opportunities to include the SLCN in archaeological fieldwork.	Commitment	AA-01-04 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	5	Attachment to NGP Response to JRP IR 5.9	B040-04, p.493	Aboriginal Engagement - Archaeological fieldwork	Treaty 8 Tribal Association ("T8TA"): During detailed engineering and routing, Northern Gateway will look for opportunities to include the West Moberly First Nations in archaeological fieldwork.	Commitment	AA-01-05 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	6	Attachment to NGP Response to JRP IR 5.9	B040-04, p. 610	Aboriginal Engagement - Archaeological information	Tl'azt'en Nation ("TN"): Northern Gateway will offer TN opportunities to discuss archaeological information.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R, 074-R, 075-R, 076-R, 077-R, 135-R	AA-01-06 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	7	Attachment to NGP Response to JRP IR 5.9	B040-04, p.727	Aboriginal Engagement - Archaeological process	Lake Babine Nation ("LBN"): Northern Gateway will provide LBN the opportunity to discuss the archaeological process, including measures to deal with the discovery of heritage resources and burial sites, to the extent the LBN is reciprocally interested and willing.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R, 074-R, 075-R, 076-R, 077-R, 135-R	AA-01-07 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	8	Attachment to NGP Response to JRP IR 5.9	B040-04, p.873	Aboriginal Engagement - Archaeological study review	Kitselas First Nation ("KFN"): Northern Gateway will provide an opportunity for KFN to review archaeological studies, and conduct ground-truthing.	053-R, 054-R, 055-R, 056-R	AA-01-08 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	9	Attachment to NGP Response to JRP IR 5.9	B040-04, p.266	Aboriginal Engagement - Archeological assessments	Duncan's First Nation ("DFN"): Where practical, Northern Gateway will provide the results of archaeological assessments performed on or near DFN Traditional Territory to the DFN band office.	053-R, 054-R, 055-R, 056-R	AA-01-09 in response to JRP IR 15.1.	Assessed

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Project Design	Aboriginal Engagement	10	Attachment to NGP Response to JRP IR 5.9	B040-04, p.653	Aboriginal Engagement - Assessments, Job Opportunities, Human health	Burns Lake Band ("BLB"): Northern Gateway will offer opportunities to assist in archaeological assessment, to assess current capacity, training and job opportunities, to discuss human health concerns, and to giving pelts and meat from animals killed during construction to BLB.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R, 074-R, 075-R, 076-R, 077-R, 135-R	AA-01-10 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	11	Attachment to NGP Response to JRP IR 5.9	B040-04, p.321	Aboriginal Engagement - Burial Sites	Aseniwuche Winewak Nation ("AWN"): Where practical, Northern Gateway will give the AWN an opportunity to identify burial sites during detailed routing.	053-R, 054-R, 055-R, 056-R	AA-01-11 in response to JRP IR 15.1. May 2014: Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site specific data should be contained within the AWN ATK Study.	In Progress
Project Design	Aboriginal Engagement	12	Attachment to NGP Response to JRP IR 5.9	B040-04, p.326	Aboriginal Engagement - Burial Sites	Aseniwuche Winewak Nation ("AWN"): Northern Gateway will continue to work with the AWN regarding burial sites, although the Pinto Creek cabin and gravesite will not be affected, given the distance from the RoW.	053-R, 054-R, 055-R, 056-R	AA-01-12 in response to JRP IR 15.1. May 2014: Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site specific data should be contained within the AWN ATK Study.	In Progress
Project Design	Aboriginal Engagement	13	Attachment to NGP Response to JRP IR 5.9	B040-04, p.131	Aboriginal Engagement - Cumulative Effects	Paul (Paul First Nation) ("PFN"): Northern Gateway will work with PFN Aboriginal consultation contacts and Elders regarding concerns they may have about cumulative effects.	Commitment	AA-01-13 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	14	Response to Federal Government IR No. 2	B046-02, p.205	Aboriginal Engagement - Detailed routing	During detailed route selection, Northern Gateway will provide an opportunity for participating Aboriginal groups to review the specific routing proposed. This will include an opportunity to review exact crossing locations.	125-R, 126-R	AA-01-14 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	15	Attachment to NGP Response to JRP IR 5.9	B040-04, p.375	Aboriginal Engagement - Detailed routing	Grande Prairie Métis Local #1990 ("GPM Local #1990"): Additional engagement will be undertaken with the GPM Local #1990 during detailed routing and engineering.	Commitment	AA-01-15 in response to JRP IR 15.1. This will provide an opportunity to review the pipeline route and determine whether route adjustments or other mitigation measures are required to protect site-specific resources, such as medicinal herbs and spiritual sites.	In Progress

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Project Design	Aboriginal Engagement	16	Attachment to NGP Response to JRP IR 5.9	B040-04, p.947	Aboriginal Engagement - Detailed routing	Lax-Kw'alaams First Nation: If the Project is approved, additional engagement will be offered to the Lax-Kw'alaams First Nation during detailed routing and engineering, to provide an opportunity for review of the detailed route for the pipelines, and to determine whether route adjustments or other mitigation measures are required to protect traditional land use (Vol 5A Update, p. 5-352).	053-R, 054-R, 055-R, 056-R, 076-R	AA-01-16 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	17	Attachment 1 to NGP Response to JRP IR 10.9	B074-05, p.12	Aboriginal Engagement - Detailed routing	Driftpile Cree Nation ("DCN"): Northern Gateway will provide DCN an opportunity to review the pipeline route during detailed routing and engineering and determine whether route adjustments or other mitigation measures are required to protect site specific resources, such as waterfowl populations and eagle nesting areas.	030-R, 031-R, 032-R, 053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R	AA-01-17 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	18	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.38	Aboriginal Engagement - Detailed routing	Saddle Lake Cree Nation ("SLCN"): If the Project is approved, additional engagement will be undertaken with the SLCN during detailed routing and engineering, to provide an opportunity to review the detailed route for the pipelines, and to determine whether route adjustments or other mitigation measures are required for site-specific resources, such as rare and important plants.	053-R, 054-R, 055-R, 056-R, 102-R, 103-R, 104-R, 105-R	AA-01-18 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	19	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.80	Aboriginal Engagement - Detailed routing	Haisla Nation: Additional engagement will be undertaken with the Haisla Nation during detailed routing and engineering. This will provide an opportunity to review the pipeline route and determine whether route adjustments within the one-km corridor or other mitigation measures are required to protect specific site. If medicinal herbs or important plans are identified during review of the detailed route, Northern Gateway will provide the Haisla Nation an opportunity to harvest medicinal and food source plants before the RoW is cleared.	053-R, 054-R, 055-R, 056-R, 089-R, 090-R, 091-R, 092-R, 102-R, 103-R, 104-R, 105-R	AA-01-19 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	20	Attachment to NGP Response to JRP IR 5.9	B040-04, p.651	Aboriginal Engagement - Earthquakes	Burns Lake Band ("BLB"): Northern Gateway will offer a technical session to discuss this issue (earthquakes) with BLB.	117-R, 118-R, 119-R, 168-R	AA-01-20 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	21	Attachment to NGP Response to JRP IR 5.9	B040-04, p.296	Aboriginal Engagement - Economic opportunities	Duncan's First Nation ("DFN"): Where reasonable and practical, Northern Gateway will engage the DFN community in relation to long-term economic opportunities, including the possibility of long-term positions.	093-R	AA-01-21 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	22	Attachment to NGP Response to JRP IR 5.9	B040-04, p.947	Aboriginal Engagement - Economic opportunities	Lax-Kw'alaams First Nation: Northern Gateway will make reasonable efforts to provide opportunities for economic participation to the Lax-Kw'alaams First Nation.	Commitment	AA-01-22 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	38	Attachment to NGP Response to JRP IR 5.9	B040-04, p.511	Aboriginal Engagement - Fish surveys and effects monitoring	McLeod Lake Indian Band ("MLIB"): Northern Gateway will provide MLIB the opportunity to discuss fish surveys and to be involved in environmental effects monitoring.	030-R, 031-R, 032-R, 063-R, 064-R, 065-R, 066-R	AA-01-38 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	39	Attachment to NGP Response to JRP IR 5.9	B040-04, p.856	Aboriginal Engagement - Habitat protection	Kitsumkalum Band: Northern Gateway will provide an opportunity to discuss measures to enhance habitat protection and restoration.	071-R, 072-R, 073-R, 074-R, 075-R, 120-R, 121-R	AA-01-39 in response to JRP IR 15.1.	In Progress

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Project Design	Aboriginal Engagement	40	Attachment to NGP Response to JRP IR 5.9	B040-04, p.423	Aboriginal Engagement - Identifying and resolving Issues	Kelly Lake First Nation ("KLFN"): Northern Gateway will provide an opportunity for KLFN to identify and map wildlife habitat located along the finalized RoW, during detailed engineering meet with KLFN to discuss and resolve issues and prior to and during construction ensure the areas of concern are flagged and inspectors are on site.	027-R, 028-R, 029-R, 060-R, 061-R, 062-R	AA-01-40 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	41	Attachment to NGP Response to JRP IR 5.9	B040-04, p.463	Aboriginal Engagement - Mapping	Kelly Lake Métis Settlement Society (KLMSS): Areas of concern will be mapped with KLMSS and Northern Gateway will use information provided by KLMSS to protect the hot springs, sacred sites and cabins, wherever provided.	Commitment	AA-01-41 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	42	Attachment 1 to NGP Response to JRP IR 10.9	B074-05, p.20	Aboriginal Engagement - Mapping areas of concern	Driftpile Cree Nation ("DCN"): Northern Gateway will provide an opportunity for the DCN to identify and map plant gathering areas located along the finalized RoW. During detailed engineering Northern Gateway will offer to hold meetings with the DCN, to discuss and resolve issues prior to and during construction to ensure the areas of concern are flagged.	030-R, 031-R, 032-R, 102-R, 103-R, 104-R, 105-R	AA-01-42 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	43	Attachment to NGP Response to JRP IR 5.9	B040-04, p.670	Aboriginal Engagement - Noise concerns	Yekooche First Nation ("YFN"): Northern Gateway will offer opportunities to meet with YFN to discuss noise concerns.	030-R, 031-R, 032-R, 033-R, 034-R, 035-R, 063-R, 064-R, 065-R, 066-R, 074-R, 075-R, 197-R	AA-01-43 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	44	Attachment to NGP Response to JRP IR 5.9	B040-04, p.507	Aboriginal Engagement - Noise effects	McLeod Lake Indian Band ("MLIB"): Northern Gateway will offer opportunities to meet with MLIB to discuss noise effects, to the extent the MLIB is reciprocally interested and willing.	063-R, 064-R, 065-R, 066-R	AA-01-44 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	45	Attachment to NGP Response to JRP IR 5.9	B040-04, p.602	Aboriginal Engagement - Noise effects	Tl'azt'en Nation ("TN"): Northern Gateway will offer opportunities to meet with TN to discuss noise effects. Notification will be given to the Tl'azt'en Nation prior to construction and to Keyoh holders identified by the Tl'azt'en Nation.	030-R, 031-R, 032-R, 033-R, 034-R, 035-R, 063-R, 064-R, 065-R, 066-R, 074-R, 075-R, 197-R	AA-01-45 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	46	Attachment to NGP Response to JRP IR 5.9	B040-04, p.488	Aboriginal Engagement - Opportunities for economic participation	Treaty 8 Tribal Association ("T8TA"): Northern Gateway will make reasonable efforts to provide opportunities for economic participation to the West Moberly First Nations.	Commitment	AA-01-46 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	47	Attachment to NGP Response to JRP IR 5.9	B040-04, p.684	Aboriginal Engagement - Plant identification	Yekooche First Nation ("YFN"): YFN will be given an opportunity to identify culturally important plants.	053-R, 054-R, 055-R, 056-R, 089-R, 090-R, 091-R, 092-R	AA-01-47 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	48	Attachment to NGP Response to JRP IR 5.9	B040-04, p.738	Aboriginal Engagement - Proximity to PNG pipeline	Lake Babine Nation ("LBN"): Northern Gateway will provide opportunities to meet with LBN to discuss proximity of the Project to the Pacific Natural Gas pipeline in LBN Traditional Territory, to the extent the LBN is reciprocally interested and willing.	053-R, 054-R, 055-R, 056-R, 074-R, 075-R	AA-01-48 in response to JRP IR 15.1.	In Progress

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Project Design	Aboriginal Engagement	49	Attachment to NGP Response to JRP IR 5.9	B040-04, p.142	Aboriginal Engagement - Pump station location	Alexis Nakota Sioux Nation ("ANSN"): During final route selection and detailed engineering, the location of a proposed pump station relative to the ANSN lands will be finalized.	Commitment	AA-01-49 in response to JRP IR 15.1. April 2014: Northern Gateway's Route Alignment 'V' filed in January 2013 proposed the Whitecourt Pump Station on Alexis Nakota Sioux Nation Reserve #232. Northern Gateway and ANSN have completed a tour of the potential pump station location.	Complete-to-date
Project Design	Aboriginal Engagement	50	Attachment to NGP Response to JRP IR 5.9	B040-04, p.7	Aboriginal Engagement - Routing	Whitefish Lake First Nation #128 (“WLFN”): Additional engagement will be undertaken with Aboriginal groups during detailed routing and engineering. This will provide an opportunity to review the route and to discuss whether route adjustments or other mitigation measures are required to protect Smoke Lake, which is located approximately 1 km from the proposed RoW (Vol 5 Update, p5-9). Northern Gateway will further engage the WLFN during detailed routing about water protection generally and Smoke Lake.	125-R, 126-R	AA-01-50 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	51	Attachment to NGP Response to JRP IR 5.9	B040-04, p.13	Aboriginal Engagement - Routing	Saddle Lake Cree Nation (“SLCN”): Northern Gateway will further engage the SLCN during detailed routing to consider whether route adjustments or other mitigation is needed to protect medicinal herbs and other site-specific features.	102-R, 103-R, 104-R, 105-R	AA-01-51 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	52	Attachment to NGP Response to JRP IR 5.9	B040-04, p.93	Aboriginal Engagement - Routing	Métis Regional Council Zone IV of the Métis Nation of Alberta: Additional engagement will be undertaken with the Métis Regional Council Zone IV of the Métis Nation of Alberta Locals during detailed routing and engineering to provide an opportunity for review of the route and determine whether route adjustments or other mitigation measures are required to protect site-specific resources and cultural features.	Commitment	AA-01-52 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	53	Attachment to NGP Response to JRP IR 5.9	B040-04, p.171	Aboriginal Engagement - Routing	Sawridge First Nation: Additional engagement will be undertaken with the Sawridge (Sawridge First Nation) during detailed routing and engineering to provide an opportunity for review of the detailed route for the pipelines, and to determine whether route adjustments or other mitigation measures are required to protect site-specific resources and cultural features.	053-R, 054-R, 055-R, 056-R	AA-01-53 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	54	Attachment to NGP Response to JRP IR 5.9	B040-04, p.120	Aboriginal Engagement - Routing (muskeg)	Paul (Paul First Nation) ("PFN"): With respect to muskeg, Northern Gateway would encourage the PFN's traditional knowledge holders to identify important muskeg areas on the RoW during detailed routing and engineering, so that Northern Gateway can take steps to either avoid those areas or to take additional precautions to mitigate effects where rerouting is not practical.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R	AA-01-54 in response to JRP IR 15.1. An updated ATK report was completed in September 2011.	Assessed
Project Design	Aboriginal Engagement	55	Attachment to NGP Response to JRP IR 5.9	B040-04, p.134	Aboriginal Engagement - Routing and construction	Paul (Paul First Nation) ("PFN"): Map the areas of concern during detailed route selection and meet with PFN to explain the routing and construction practices and techniques to be used in the area.	063-R, 064-R, 065-R, 066-R	AA-01-55 in response to JRP IR 15.1.	In Progress

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Project Design	Aboriginal Engagement	56	Attachment to NGP Response to JRP IR 5.9	B040-04, p.252	Aboriginal Engagement - RoW Visit	Duncan's First Nation ("DFN"): During detailed engineering, an opportunity to visit the proposed RoW and confirm the locations of medicinal plants identified in the ATK study will be provided to the Duncan's First Nation.	053-R, 054-R, 055-R, 056-R	AA-01-56 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	57	Attachment to NGP Response to JRP IR 5.9	B040-04, p.690	Aboriginal Engagement - Socio-economic effects assessment	Yekooche First Nation ("YFN"): Northern Gateway will offer YFN the opportunity to discuss the socio-economic effects assessment.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-57 in response to JRP IR 15.1.	Complete
Project Design	Aboriginal Engagement	58	Attachment to NGP Response to JRP IR 5.9	B040-04, p.856	Aboriginal Engagement - Spill response asset investment	Kitsumkalum Band: Northern Gateway will provide an opportunity to discuss Kitsumkalum Band's potential investment for spill response assets, to the extent the Kitsumkalum Band is reciprocally interested and willing.	117-R, 118-R, 119-R, 168-R	AA-01-58 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	59	Attachment to NGP Response to JRP IR 5.9	B040-04, p.11	Aboriginal Engagement - Technical meeting	Whitefish Lake First Nation #128 ("WLFN"): Northern Gateway will offer the WLFN a technical session that includes components regarding matters that the WLFN believes are outstanding. The session may be held as soon as late October and is expected to be completed in 6 months, or within such greater time is necessitated by the WLFN's progress completing its ATK study.	Commitment	AA-01-59 in response to JRP IR 15.1. In May 2012, Northern Gateway provided a technical and watercourse meeting that addressed issues and concerns raised in the Nation's ATK study and during engagement activities.	Complete
Project Design	Aboriginal Engagement	60	Attachment to NGP Response to JRP IR 5.9	B040-04, p.99	Aboriginal Engagement - Technical meeting	Grande Cache Métis Local #1994 ("GCML"): Northern Gateway will offer a further meeting or technical session to the GCML that includes a component on water quality, clearing methods, pipeline integrity and safety plans to avoid pipeline leaks, clearing methods, monitoring priority areas during construction, Project design and construction, and reducing the effects of the Project on the use of lands for traditional purposes.	Commitment	AA-01-60 in response to JRP IR 15.1. April 2014: A technical Meeting was undertaken with Grande Cache Metis Local #1994 in November 2013.	Complete
Project Design	Aboriginal Engagement	61	Attachment to NGP Response to JRP IR 5.9	B040-04, p.122	Aboriginal Engagement - Technical meeting	Paul (Paul First Nation) ("PFN"): Northern Gateway will offer a further meeting or technical session to the PFN that includes an environmental component on mutual effects, monitoring and wildlife protection, as well as, mitigating Project effects on wildlife, muskeg, and identifying important lands subject to traditional use, prior to construction.	033-R, 034-R, 035-R, 053-R, 054-R, 055-R, 056-R	AA-01-61 in response to JRP IR 15.1. In October 2011, Northern Gateway provided the Paul First Nation with a technical meeting.	Complete-to-date

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Project Design	Aboriginal Engagement	62	Attachment to NGP Response to JRP IR 5.9	B040-04, p.155	Aboriginal Engagement - Technical meeting	Maskwacis Cree Nations: Northern Gateway will be offering the Samson (Samson Cree Nation), Ermineskin Tribe (Ermineskin Cree Nation), Louis Bull (Louis Bull Tribe) and Montana First Nation a Project technical session in 2011 or 2012.	Commitment	AA-01-62 in response to JRP IR 15.1. Northern Gateway provided a project technical meeting to Louis Bull in November 2011 and Ermineskin Cree Nation in July 2012. Northern Gateway remains committed to offering the Montana First Nation a technical session, once the Nation completes its ATK study.	Complete-to-date
Project Design	Aboriginal Engagement	63	Attachment to NGP Response to JRP IR 5.9	B040-04, p.161	Aboriginal Engagement - Technical meeting	Michel First Nation: Northern Gateway will be offering the Michel First Nation a Project technical session in 2011.	Commitment	AA-01-63 in response to JRP IR 15.1. Northern Gateway provided a technical and watercourse meeting to the Michell First Nation in October 2011. This included discussion on issues and concerns raised in the Michel FN ATK study.	Complete
Project Design	Aboriginal Engagement	64	Attachment to NGP Response to JRP IR 5.9	B040-04, p.183	Aboriginal Engagement - Technical meeting	Swan River First Nation ("SRFN"): Northern Gateway will offer a further meeting or technical session to the SRFN that includes a component on archaeological baseline results.	Commitment	AA-01-64 in response to JRP IR 15.1. Northern Gateway provided a technical meeting in December 2011. Northern Gateway also provided a technical meeting in July 2012 that included a watercourse crossing component.	Complete
Project Design	Aboriginal Engagement	65	Attachment to NGP Response to JRP IR 5.9	B040-04, p.198	Aboriginal Engagement - Technical meeting	Swan River First Nation ("SRFN"): Northern Gateway will offer a further meeting or technical session to the SRFN that includes a component on community environmental monitoring.	033-R, 034-R, 035-R	AA-01-65 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	66	Attachment to NGP Response to JRP IR 5.9	B040-04, p.296	Aboriginal Engagement - Technical meeting	Duncan's First Nation ("DFN"): Northern Gateway will offer a further meeting or technical session to the DFN that includes a component on community environmental monitoring.	033-R, 034-R, 035-R	AA-01-66 in response to JRP IR 15.1.	Assessed

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Project Design	Aboriginal Engagement	67	Attachment to NGP Response to JRP IR 5.9	B040-04, p.313	Aboriginal Engagement - Technical meeting	Aseniwuche Winewak Nation ("AWN"): Northern Gateway will offer a further meeting or technical session to the AWN that includes a component on identifying moose habitat before construction.	063-R, 064-R, 065-R, 066-R	AA-01-67 in response to JRP IR 15.1. April 2014: Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site specific data should be contained within the AWN ATK Study.	Complete-to-date
Project Design	Aboriginal Engagement	68	Attachment to NGP Response to JRP IR 5.9	B040-04, p.339	Aboriginal Engagement - Technical meeting	Nose Creek Settlement ("NCS"): Northern Gateway will offer a further meeting or technical session to the NCS that includes a component on community environmental monitoring, preserving fish habitat and preserving furbearer, bird and beaver habitat, and hear about possible adverse impacts of the Project which NCS has not yet raised or which it is concerned are not resolved.	033-R, 034-R, 035-R	AA-01-68 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	69	Attachment to NGP Response to JRP IR 5.9	B040-04, p.383	Aboriginal Engagement - Technical meeting	Kelly Lake Cree Nation ("KLCN"): Northern Gateway will offer the KLCN a technical session that includes a component on watercourse crossings.	125-R, 126-R	AA-01-69 in response to JRP IR 15.1. In April 2012, Northern Gateway and the Kelly Lake Cree Nation met and completed a technical and watercourse crossing meeting to address issues and concerns raised in the Nation's ATK study, and to address issues and concerns raised during engagement with the Nation.	Complete-to-date
Project Design	Aboriginal Engagement	70	Attachment to NGP Response to JRP IR 5.9	B040-04, p.411	Aboriginal Engagement - Technical meeting	Kelly Lake First Nation ("KLFN"): Northern Gateway will offer the KLFN a technical session that includes a component on watercourse crossings.	125-R, 126-R	AA-01-70 in response to JRP IR 15.1.	Complete-to-date
Project Design	Aboriginal Engagement	71	Attachment to NGP Response to JRP IR 5.9	B040-04, p.448	Aboriginal Engagement - Technical meeting	Kelly Lake Métis Settlement Society (KLMSS): Northern Gateway will offer the KLMSS another technical session that includes a component on watercourse crossings.	125-R, 126-R	AA-01-71 in response to JRP IR 15.1.	Complete
Project Design	Aboriginal Engagement	72	Attachment to NGP Response to JRP IR 5.9	B040-04, p.468	Aboriginal Engagement - Technical meeting	Kelly Lake Métis Settlement Society (KLMSS): Northern Gateway will provide KLMSS opportunities to discuss Northern Gateway's Waste and Hazardous Materials Management Plan, the ERP, and involvement in monitoring.	033-R, 034-R, 035-R, 168-R	AA-01-72 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	73	Attachment to NGP Response to JRP IR 5.9	B040-04, p.532	Aboriginal Engagement - Technical meeting	McLeod Lake Indian Band ("MLIB"): Northern Gateway will provide an opportunity for a technical session on spills and releases to provide information on spill prevention plans for pump stations, to the extent the MLIB is reciprocally interested and willing.	168-R	AA-01-73 in response to JRP IR 15.1.	Assessed

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Project Design	Aboriginal Engagement	74	Attachment to NGP Response to JRP IR 5.9	B040-04, p.541	Aboriginal Engagement - Technical meeting	Lheidli T'enneh First Nation ("LTFN"): Northern Gateway will offer additional technical sessions to LTFN to address concerns regarding watercourse crossings.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R	AA-01-74 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	75	Attachment to NGP Response to JRP IR 5.9	B040-04, p.677	Aboriginal Engagement - Technical meeting	Yekooche First Nation ("YFN"): Northern Gateway will offer YFN the opportunity for a technical session on water quality and mitigation of sedimentation in creeks, fires, construction noise, and spills.	030-R, 031-R, 032-R, 053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R, 074-R, 075-R, 089-R, 090-R, 091-R, 092-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R	AA-01-75 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	76	Attachment to NGP Response to JRP IR 5.9	B040-04, p.731	Aboriginal Engagement - Technical meeting	Lake Babine Nation ("LBN"): Northern Gateway will offer opportunities for a technical session with the LBN, including pipeline routing criteria and constraints, to the extent the LBN is reciprocally interested and willing.	053-R, 054-R, 055-R, 056-R, 074-R, 076-R	AA-01-76 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	77	Attachment to NGP Response to JRP IR 5.9	B040-04, p.751	Aboriginal Engagement - Technical meeting	Skin Tyee Nation ("STN"): Northern Gateway will provide opportunities for a watercourse crossing technical session with STN.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R	AA-01-77 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	78	Attachment to NGP Response to JRP IR 5.9	B040-04, p.778	Aboriginal Engagement - Technical meeting	Nee-Tahi-Buhn: Northern Gateway will offer Nee-Tahi-Buhn the opportunity to have a technical session on pipeline spills.	051-R, 063-R, 064-R, 065-R, 066-R, 067-R, 068-R, 069-R, 070-R, 074-R, 075-R, 117-R, 118-R, 119-R, 168-R	AA-01-78 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	79	Attachment to NGP Response to JRP IR 5.9	B040-04, p.791	Aboriginal Engagement - Technical meeting	Cheslatta Carrier Nation ("CCN"): Northern Gateway will continue to offer watercourse crossing technical meetings and on spills and releases in the community.	051-R, 063-R, 064-R, 065-R, 066-R, 067-R, 068-R, 069-R, 070-R, 074-R, 075-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R, 168-R	AA-01-79 in response to JRP IR 15.1. April 2014: Northern Gateway has offered CCN to participate in watercourse assessment fieldwork. Northern Gateway is open and willing to hold a technical session on spills.	Complete-to-date

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Project Design	Aboriginal Engagement	80	Attachment to NGP Response to JRP IR 5.9	B040-04, p.806	Aboriginal Engagement - Technical meeting	Gitxsan Nation: Northern Gateway will offer to provide watercourse crossing technical meetings in the community.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R, 168-R	AA-01-80 in response to JRP IR 15.1. April 2014: Gitsxan Nation was offered an opportunity to participate in watercourse crossing fieldwork and meetings and declined.	Complete-to-date
Project Design	Aboriginal Engagement	81	Attachment to NGP Response to JRP IR 5.9	B040-04, p.826	Aboriginal Engagement - Technical meeting	Métis Nation British Columbia ("MNBC"): Northern Gateway will continue to offer watercourse crossing and technical meetings to MNBC.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R, 168-R	AA-01-81 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	82	Attachment to NGP Response to JRP IR 5.9	B040-04, p.932	Aboriginal Engagement - Technical meeting	Metlakatla First Nation: Northern Gateway will offer Metlakatla First Nation the opportunity to hold a watercourse crossing technical session, to the extent the Metlakatla First Nation is reciprocally interested and willing.	125-R, 126-R	AA-01-82 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	83	Attachment 1 to NGP Response to JRP IR 10.9	B074-05, p.4	Aboriginal Engagement - Technical meeting	Driftpile Cree Nation ("DCN"): Northern Gateway will offer to provide watercourse crossing technical meetings in the community. Opportunities to review and participate in watercourse crossing assessments will continue to be provided in future phases of the Project.	125-R, 126-R	AA-01-83 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	84	Attachment 1 to NGP Response to JRP IR 10.9	B074-05, p.9	Aboriginal Engagement - Technical meeting	Driftpile Cree Nation ("DCN"): Northern Gateway will offer the DCN a technical session to discuss concerns such as impact on muskeg crossings.	067-R, 068-R, 069-R, 070-R	AA-01-84 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	85	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.49	Aboriginal Engagement - Technical meeting	Saddle Lake Cree Nation ("SLCN"): Northern Gateway will offer to provide the SLCN with a technical session on spills and releases.	168-R	AA-01-85 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	86	Attachment to NGP Response to JRP IR 5.9	B040-04, p.611	Aboriginal Engagement - Traditional site identification	Tl'azt'en Nation ("TN"): TN will be given the opportunity to identify CMTs (culturally modified trees), historic trails, cultural sites, and traditional use areas.	053-R, 054-R, 055-R, 056-R, 089-R, 090-R, 091-R, 092-R	AA-01-86 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	87	Attachment to NGP Response to JRP IR 5.9	B040-04, p.504	Aboriginal Engagement - Use of dynamite	McLeod Lake Indian Band ("MLIB"): Northern Gateway will provide opportunities to MLIB to meet to discuss use of dynamite, to the extent the MLIB is reciprocally interested and willing.	063-R, 064-R, 065-R, 066-R	AA-01-87 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	88	Attachment to NGP Response to JRP IR 5.9	B040-04, p.635	Aboriginal Engagement - Watercourse crossing assessments	Burns Lake Band ("BLB"): Opportunities to review and participate in watercourse crossing assessments will continue to be provided in future phases of the Project.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R	AA-01-88 in response to JRP IR 15.1.	In Progress

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Project Design	Aboriginal Engagement	89	Attachment to NGP Response to JRP IR 5.9	B040-04, p.841	Aboriginal Engagement - Watercourse crossing assessments	Kitsumkalum Band: Northern Gateway will provide an opportunity to review and participate in watercourse crossing assessments and will continue to be provided in future phases of the Project, to the extent the Kitsumkalum Band is reciprocally interested and willing.	053-R, 054-R, 055-R, 056-R, 089-R, 090-R, 091-R, 092-R	AA-01-89 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	90	Attachment to NGP Response to JRP IR 5.9	B040-04, p.861	Aboriginal Engagement - Watercourse crossing assessments	Kitselas First Nation ("KFN"): Opportunities to review and participate in watercourse crossing assessments will continue to be provided in future phases of the Project.	053-R, 054-R, 055-R, 056-R, 089-R, 090-R, 091-R, 092-R, 125-R, 126-R	AA-01-90 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	91	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.83	Aboriginal Engagement - Watercourse crossing assessments	Office of the Wet'suwet'en ("OOW"): Opportunities to review and participate in watercourse crossing assessments will continue to be provided in future phases of the Project, to the extent that the OOW is reciprocally interested and willing.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R, 125-R, 126-R	AA-01-91 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	92	Attachment to NGP Response to JRP IR 5.9	B040-04, p.246	Aboriginal Engagement - Watercourse crossings	Duncan's First Nation ("DFN"): Northern Gateway will provide the DFN details on proposed Smoky River and Wapiti River crossing methods.	125-R, 126-R	AA-01-92 in response to JRP IR 15.1.	Assessed
Project Design	Aboriginal Engagement	94	Northern Gateway Response to Haisla Nation IR No. 1	B039-03, p.64	Heritage resources	Northern Gateway will meet with the appropriate First Nations and the Province of BC prior to alteration of high heritage value sites in the area of the proposed Kitimat Terminal to discuss mitigation options.	053-R, 054-R, 055-R, 056-R	AA-01-94 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	107	Attachment to NGP Response to JRP IR 5.9	B040-04, p.316	Detailed routing - beaver dams	Aseniwuche Winewak Nation ("AWN"): Where practical, Northern Gateway will take into consideration the presence of beaver dams during detailed routing.	Commitment	E-01-10 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	108	Attachment to NGP Response to JRP IR 5.9	B040-04, p.318	Detailed routing - mineral licks	Aseniwuche Winewak Nation ("AWN"): Where practical, Northern Gateway will avoid mineral licks during detailed routing and construction.	Commitment	E-01-11 in response to JRP IR 15.1.	In Progress
Project Design	Aboriginal Engagement	117	Reply and Update - Public Consultation	B083-26, p.40 B083-40, p.43	Pipeline Route - Whitecourt Pump Station	Alexis Nakota Sioux Nation requested that the Whitecourt pump station be relocated onto the Alexis Indian Reserve No. 232. Technical feasibility of this pump station relocation has now been confirmed and the relocation will be adopted and included in the next pipeline route revision. This relocation remains subject to the granting of all required land rights, in a timely manner.	Commitment	E-01-20 in response to JRP IR 15.1.	Complete
Project Design	Benefits & Sustainability	23	Attachment to NGP Response to JRP IR 5.9	B040-04, p.788	Aboriginal Engagement - Education, training, employment	Cheslatta Carrier Nation ("CCN"): Northern Gateway representatives will continue to meet with the community and deliver presentations on Project related education, training and employment.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-23 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	24	Attachment to NGP Response to JRP IR 5.9	B040-04, p.931	Aboriginal Engagement - Education, training, employment	Metlakatla First Nation: Northern Gateway will offer opportunities to meet with the Metlakatla First Nation to assess the current capacity and discuss education, training and employment opportunities, to the extent the Metlakatla First Nation is reciprocally interested and willing.	076-R, 077-R	AA-01-24 in response to JRP IR 15.1.	In Progress

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Project Design	Benefits & Sustainability	25	Attachment to NGP Response to JRP IR 5.9	B040-04, p.848	Aboriginal Engagement - Employment capacity	Kitsumkalum Band: Northern Gateway will offer an opportunity to meet with the Kitsumkalum Band to assess the current capacity of the Kitsumkalum Band to be employed on construction and training that might be undertaken to enhance that capacity, to the extent the Kitsumkalum Band is reciprocally interested and willing.	076-R, 077-R	AA-01-25 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	26	Attachment to NGP Response to JRP IR 5.9	B040-04, p.539	Aboriginal Engagement - Employment opportunities	Lheidli T'enneh First Nation ("LTFN"): Northern Gateway will offer opportunities to meet with the LTFN to assess the current capacity of the Nation's members to be employed on construction and training that might be undertaken to enhance that capacity.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-26 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	27	Attachment to NGP Response to JRP IR 5.9	B040-04, p.486	Aboriginal Engagement - Employment opportunities	Treaty 8 Tribal Association ("T8TA"): Northern Gateway will continue to provide opportunities to discuss employment, training and education opportunities, to the extent the T8TA is reciprocally interested and willing.	076-R, 077-R, 093-R	AA-01-27 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	28	Attachment to NGP Response to JRP IR 5.9	B040-04, p.582	Aboriginal Engagement - Employment opportunities	Carrier-Sekani Tribal Council ("CSTC"): Northern Gateway will provide opportunities to discuss economic benefits of the Project with CSTC and/or with individual CSTC member First Nations and will make reasonable efforts to provide employment opportunities to CSTC member First Nations.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-28 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	29	Attachment to NGP Response to JRP IR 5.9	B040-04, p.614	Aboriginal Engagement - Employment opportunities	Tl'azt'en Nation ("TN"): Northern Gateway will provide opportunities to discuss employment, contract and training opportunities with TN.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-29 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	30	Attachment to NGP Response to JRP IR 5.9	B040-04, p.699	Aboriginal Engagement - Employment opportunities	Lake Babine Nation ("LBN"): Northern Gateway will offer LBN the opportunity to discuss training and job opportunities, including those pertaining to environmental effects monitoring, to the extent the LBN is reciprocally interested and willing.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-30 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	31	Attachment to NGP Response to JRP IR 5.9	B040-04, p.729	Aboriginal Engagement - Employment opportunities	Lake Babine Nation ("LBN"): Northern Gateway will make reasonable efforts to provide opportunities for LBN to discuss employment, education/training opportunities with LBN, to the extent the LBN is reciprocally interested and willing.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-31 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	32	Attachment to NGP Response to JRP IR 5.9	B040-04, p.736	Aboriginal Engagement - Employment opportunities	Lake Babine Nation ("LBN"): Fish assessments and environmental monitoring will occur during instream and riparian activities. Northern Gateway will offer opportunities to discuss job opportunities with LBN, to the extent the LBN is reciprocally interested and willing.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-32 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	33	Attachment to NGP Response to JRP IR 5.9	B040-04, p.748	Aboriginal Engagement - Employment opportunities	Skin Tyee Nation ("STN"): Northern Gateway will offer opportunities to discuss job opportunities with STN.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-33 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	34	Attachment to NGP Response to JRP IR 5.9	B040-04, p.763	Aboriginal Engagement - Employment opportunities	Skin Tyee Nation ("STN"): Northern Gateway will make reasonable efforts to provide opportunities for employment, training, and education to STN.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-34 in response to JRP IR 15.1.	In Progress

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Project Design	Benefits & Sustainability	35	Attachment to NGP Response to JRP IR 5.9	B040-04, p.800	Aboriginal Engagement - Employment opportunities (safety)	Cheslatta Carrier Nation (“CCN”): Northern Gateway will provide the opportunity to discuss safety program opportunities with Cheslatta First Nation.	051-R, 063-R, 064-R, 065-R, 066-R, 067-R, 068-R, 069-R, 070-R, 074-R, 075-R, 077-R, 117-R, 118-R, 119-R	AA-01-35 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	36	Attachment 1 to NGP Response to JRP IR 10.9	B074-05, p.6	Aboriginal Engagement - Employment, training, education	Driftpile Cree Nation ("DCN"): Northern Gateway will make reasonable efforts to provide opportunities for the DCN to discuss employment and education/training opportunities.	076-R, 077-R, 079-R, 093-R	AA-01-36 in response to JRP IR 15.1.	In Progress
Project Design	Benefits & Sustainability	37	Attachment to NGP Response to JRP IR 5.9	B040-04, p.817	Aboriginal Engagement - Employment, training, procurement	Métis Nation British Columbia ("MNBC"): Northern Gateway will continue to meet with MNBC representatives to discuss employment, training and procurement opportunities.	076-R, 077-R, 078-R, 079-R, 093-R, 094-R, 135-R, 136-R	AA-01-37 in response to JRP IR 15.1. Northern Gateway has met with MNBC representatives to discuss employment, training and procurement opportunities.	In Progress
Project Design	Benefits & Sustainability	132	Response to J. Wier IR No. 7	B043-15, p.10	Socio-economic impacts	Northern Gateway has committed to liaise with local and regional social services, the RCMP and local governments on potential issues related to housing, utilities, and the delivery of services.	078-R	PA-01-01 in response to JRP IR 15.1.	In Progress
Project Design	Construction	95	Response to JRP IR No. 8	B047-10, p.20	Housing strategy	Northern Gateway will develop a housing strategy for Kitimat during detailed engineering and construction planning to match the needs of construction with the accommodation capacity of the community. The housing strategy will include a plan to ensure that waste materials generated by Project construction and operations do not exceed the capacity of the regional waste and wastewater treatment facilities and to make alternative arrangements for waste disposal if required, and other services as identified.	Commitment	C-01-01 in response to JRP IR 15.1.	In Progress
Project Design	Construction	96	Volume 4: Public Consultation Application Update (2010); Appendix R - 2010 Stakeholder Concordance Tables	B022-29, p.69	Road usage - Construction	Road usage for construction will be determined during detailed engineering and construction planning. Public roads will generally remain open at all times, with only specific short-duration closures of some roads for pipeline installation.	Commitment	C-01-02 in response to JRP IR 15.1.	In Progress
Project Design	Control Centre	100	TERMPOL Surveys and Studies - Section 3.11 - Cargo Transfer and Transhipment Systems TERMPOL Surveys and Studies - Section 3.10 - Site Plans and Technical Data	B023-12, p.21 B023-11, p.52	Control Centre Back-up	The project will use a communication system with redundant equipment and alternate data routes for the controller to maintain control over the Kitimat Terminal, pump stations and remote valve sites. A redundant back-up Control Centre, physically separate from the primary site will be provided for control and monitoring of pump stations, valve sites and non-marine terminal operations. A redundant back-up Control Centre, physically separate from the Kitimat site will be evaluated during detailed design for terminal marine operations.	Commitment	E-01-03 in response to JRP IR 15.1.	In Progress

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Project Design	Emergency Management	1206	Northern Gateway Response to Coastal FN IR No. 1	B038-02, p.94	Mutual aid agreements	During detailed design, Northern Gateway will work with spill response organizations and contractors to establish Mutual Aid Agreements or Memoranda of Understanding to provide nationally and internationally cascaded resources, equipment and personnel to support a significant sustained response.	119-R	ER-01-01 in response to JRP IR 15.1.	Assessed
Project Design	Engineering	98	Attachment to NGP Response to JRP IR 5.9	B040-04, p.799	Burns Lake Pump Station power supply	Cheslatta Carrier Nation ("CCN"): Northern Gateway will work with BC Hydro to ensure that the power supply secured for the proposed Burns Lake pump station does not adversely affect the existing power supply to the Cheslatta Carrier Nation community.	Commitment	E-01-01 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	99	NEB Application Volume 3 Section 1.6.3	B001-5, p.13	Commissioning Plan	A Northern Gateway commissioning plan will be prepared and implemented.	Commitment	E-01-02 in response to JRP IR 15.1. E2 in response to JRP IR 1.2.	In Progress
Project Design	Engineering	101	Northern Gateway Response to Request for Additional Information from the JRP Session Results and Decision (Jan 19, 2011)	B020-02, p.36	Pipe Category	During detailed engineering, the use of Category II pipe (i.e., pipe with proven notch toughness in the form of both absorbed energy and ductile fracture appearance) will be evaluated.	016-R, 017-R	E-01-04 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	102	NGP Written Reply Evidence	B083-02, p.71	Design enhancements - Additional isolation valves	Remotely operated isolation valves have been located to protect environmentally sensitive locations. Additional isolation valves will be placed on each side of major tributaries to the Fraser, Skeena and Kitimat Rivers to provide enhanced protection of high value salmon habitat.	080-R, 081-R	E-01-05 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	103	NGP Written Reply Evidence	B083-02, p.73	Design enhancements - Leak detection	Northern Gateway will commit to installing dual leak detection systems.	110-R, 111-R, 112-R, 113-R	E-01-06 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	104	NGP Response to JRP IR 12 Attachment JRP IR 12.2(b)	B109-02, p.8 B109-03	Design Enhancements - Pipe wall thickness	A "Preliminary List of Watercourse Crossings for Heavy Wall Pipe" was provided as Attachment JRP IR 12.2(b). For these locations the oil pipeline heavy wall pipe will have a minimum wall thickness of 22.2 mm and the condensate pipeline heavy wall pipe will have a minimum wall thickness of 9.5 mm. Northern Gateway will be installing heavy wall pipe at other watercourse crossings in consideration of: - protection against hydrological threats (e.g. scour or avulsion); - HDD or other trenchless design requirements where heavier wall pipe is typically required; - aerial crossings; - other major tributaries to the Fraser, Skeena and Kitimat Rivers.	Commitment	E-01-07 in response to JRP IR 15.1. Major tributaries are defined as those that have a channel width equal or greater than ten meters and high fisheries sensitivity. An updated preliminary list of crossing locations is provided in Undertaking 54 (Exhibit B190-2) - Update to Exhibit B109 JRP IR 12.2 (b).	In Progress
Project Design	Engineering	105	NGP Written Reply Evidence	B083-02, p.69	Design enhancements - Pipe wall thickness	Northern Gateway will increase the wall thickness of the oil pipeline which will increase the strength of the pipe.	Commitment	E-01-08 in response to JRP IR 15.1.	Complete-to-date

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Project Design	Engineering	106	NGP Written Reply Evidence - NGP Response to JRP IR 12 Attachment JRP IR 12.2(b)	B083-02, p.70 B109-02, p.8 B109-3	Design enhancements - Pipe wall thickness	Additional increases in pipe wall thickness will be used for major tributaries to the Fraser, Skeena and Kitimat Rivers.	145-R, 146-R, 147-R	E-01-09 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	110	Response to Federal Government IR No. 2 NGP Response to JRP IR 12	B046-02, p.124 B041-04, p.39 B109-02, p.19	Geohazard assessment	Northern Gateway will carry out additional geohazard assessment during detailed engineering to advance the current qualitative hazard assessment to a level consistent with a semi-quantitative hazard assessment.	145-R, 146-R, 147-R	E-01-13 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	111	Transcript, Vol. 91, Lines 12725-12736		Geohazard Working Group	Northern Gateway will initiate discussions with expert groups and federal and provincial agencies for the purpose of creating a "Northern Gateway Geohazards Working Group".	Commitment	E-01-14 in response to JRP IR 15.1.	Assessed
Project Design	Engineering	112	Transcript, Vol. 85, Lines 4935-4937		LiDAR Acquisition	Northern Gateway will acquire additional LiDAR data for the entire length of the pipeline.	Commitment	E-01-15 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	113	TERMPOL Surveys and Studies - Section 3.10 - Site Plans and Technical Data	B023-11, p.25	Marine geotechnical	A marine geotechnical investigation will be conducted during the detailed design phase of the Project.	Commitment	E-01-16 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	114	Volumes 3, 6A and 6C Application Updates - January 2016 JRP IR 11.10c	B056-02, p.9 B101-2, p.45-46	Morice River Pipeline Route relocation	As requested by Fisheries and Oceans and Environment Canada, Northern Gateway has evaluated the relocation of the pipeline route (KP 1022 to KP 1028) further away from the Morice River. A revised pipeline route and corridor (KP 996 to KP 1048) has been identified and will be included in pipeline route Rev. V.	Commitment	E-01-17 in response to JRP IR 15.1. See Exhibits B182-2, p 5-6 and B183-45.	Complete
Project Design	Engineering	115	NEB Application Volume 5 Update Sections 4.3.1 and 5.2.2 Reply and Update - Public Consultation	B024-02, p.51 and 83-86 B083-26, p.39	Pipeline Route - Alexander Indian Reserve	Northern Gateway originally planned to relocate the pipeline route (KP 249.1 to KP 251.1) off the Alexander 134A Indian Reserve, to address the concerns raised by the Alexander (Alexander First Nation). Northern Gateway and the Alexander (Alexander First Nation) have since executed a term sheet as an agreement in principle that relates to, among other things, an alternative route that moves the proposed pipeline onto the Alexander Indian Reserve No. 134 and the Alexander Indian Reserve No. 134A and associated land access and benefits provisions.	Commitment	E-01-18 in response to JRP IR 15.1. E6 in response to JRP IR 1.2.	Complete
Project Design	Engineering	116	NEB Application Volume 5 Update Sections 4.3.2 and 5.6.1 Reply and Update - Public Consultation	B024-02, p.51, 229-231 B083-26, p.40	Pipeline Route - Bear Lake Pump Station	Northern Gateway originally relocated the pipeline RoW and the Bear Lake pump station onto the Sas Mighe No. 32 Indian Reserve, as requested by the McLeod Lake Indian Band. The McLeod Lake Indian Band has since requested that the Bear Lake pump station and pipelines be relocated back off of the Sas Mighe No. 32 Indian Reserve, as described in the Application Update, January 2012, Volume 3, Section 2.6. This relocation of the pump station and pipelines back to the off-reserve locations included in the Application, May 2010, will be adopted and included in the next pipeline route revision.	Commitment	E-01-19 in response to JRP IR 15.1. E7 in response to JRP IR 1.2.	Complete
Project Design	Engineering	118	Transcript, Vol.94, Line 16659		Remotely operated valves - backup power	Northern Gateway intends to provide a second form of power to remotely operated valves for the purpose of maintaining communication.	Commitment	E-01-21 in response to JRP IR 15.1.	In Progress

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Project Design	Engineering	119	NGP Written Reply Evidence	B083-02, p.10	River crossing - Endako River	Northern Gateway is reviewing contingency crossing methods for the Endako River and is prepared to commit to proposing a trenchless technique for both the primary and contingency crossing method for this watercourse.	Commitment	E-01-22 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	120	Response to Federal Government IR No. 2	B046-02, p.111	River crossing - North Saskatchewan River	Northern Gateway will further evaluate a potential HDD crossing of the North Saskatchewan River during detailed engineering.	Commitment	E-01-23 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	121	Attachment to NGP Response to JRP IR 5.9	B040-04, p.189	Routing - Alliance RoW	Swan River First Nation ("SRFN"): The pipeline right of way will parallel the Alliance right of way to the extent practical.	Commitment	E-01-24 in response to JRP IR 15.1.	Complete
Project Design	Engineering	122	Attachment to NGP Response to JRP IR 5.9	B040-04, p.242	Routing & Noise - Moose rutting areas	Duncan's First Nation ("DFN"): Key moose rutting areas identified by the DFN will be reasonably considered during detailed routing of the RoW. Northern Gateway will make reasonable efforts to minimize noise disruption in key moose rutting areas identified by the DFN.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R	E-01-25 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	123	Attachment JRP IR 12.2c - Preliminary Valve Location Engineering Assessment	B109-04, p.6	Valve operation	All block valves will be fully automated and remotely operated from the Enbridge Control Centre.	Commitment	E-01-26 in response to JRP IR 15.1.	In Progress
Project Design	Engineering	898	Northern Gateway Response to Cheryl Brown IR No. 2.11(a)	B043-04, p.12	Watercourse Crossing Methods - Kitimat River Tributaries	Northern Gateway will use non-invasive approaches such as directional drills during construction of watercourse crossings on six of the major tributaries to the Kitimat River in order that fish movements and habitat within the stream are not impacted.	125-R, 126-R		Assessed
Project Design	Engineering - Facilities	126	TERMPOL Surveys and Studies - Binder 1 of 3 TERMPOL Study 3.11: Cargo Transfer and Transhipment Systems, Section 2.1	B023-12, p.9	Vapour Emissions Control System	Tank cargo vapours will be collected and processed by a vapour emission control system, where the cargo tank vapours are sent to collection tanks on shore to be treated.	Commitment	EM-01-03 in response to JRP IR 15.1. J19 in response to JRP IR 1.2.	In Progress
Project Design	Engineering - Marine	124	TERMPOL Surveys and Studies - Section 3.13 - Berth Procedures and Provisions	B023-13, p.20	Tsunami risk	Additional research and analysis is currently underway to quantify the level of risk of tsunamis originating from other potential areas of landslides within Kitimat Arm. The results of this analysis will be documented and incorporated in the Project design criteria at a later date.	147-R	EM-01-01 in response to JRP IR 15.1.	Assessed
Project Design	Engineering - Marine	125	Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B085-02, p.19 B38-02, p.149	Underwater noise management - tug design	Northern Gateway is committed to incorporating best commercially available technology at the time of the design and construction of purpose-built tugs (primarily in engine vibration reduction and propeller design) so that escort and harbour tugs produce the least underwater noise possible.	191-R	EM-01-02 in response to JRP IR 15.1.	In Progress

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Project Design	Lands & ROW	109	Response to District of Fort St. James IR No. 1	B041-03, p.7	Fort St. James airport	During detailed engineering and final pipeline route selection, Northern Gateway will work with the Fort St. James airport to identify what, if any, Project modifications may be required and could be implemented to accommodate a future airport expansion.	Commitment	E-01-12 in response to JRP IR 15.1.	In Progress
Pre Construction	Aboriginal Engagement	133	NEB Application Volume 5 Update Section 4.1 NGP Reply Evidence, Attachment 17	B024-02, p.42-44 B083-40, p.17	Aboriginal Economic Benefits Package	Northern Gateway will develop an Aboriginal Economic Benefits Package which will be introduced to eligible Aboriginal groups.	Commitment	AA-02-01 in response to JRP IR 15.1. A1 in response to JRP IR 1.2.	Complete-to-date
Pre Construction	Aboriginal Engagement	134	Attachment to NGP Response to JRP IR 5.9	B040-04, p.390	Aboriginal Engagement - Access Management Plan	Kelly Lake Cree Nation ("KLCN"): Northern Gateway will give KLCN the opportunity to review its Access Management Plan and consider any further mitigation strategies suggested.	074-R, 075-R	AA-02-02 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	135	Attachment to NGP Response to JRP IR 5.9	B040-04, p.128	Aboriginal Engagement - Burial Sites	Paul (Paul First Nation) ("PFN"): Northern Gateway will engage in fencing and restricting access to burial sites, and consulting Alexis Nakota Sioux Nation about a related burial site.	063-R, 064-R, 065-R, 066-R	AA-02-03 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	136	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.49	Aboriginal Engagement - Clearing schedule	Saddle Lake Cree Nation ("SLCN"): The SLCN will be informed of the clearing schedule and if their tenure allows may have salvaged wood for ceremonial purpose.	063-R, 064-R, 065-R, 066-R	AA-02-04 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	138	Attachment to NGP Response to JRP IR 5.9	B040-04, p.664	Aboriginal Engagement - Emergency response planning	Burns Lake Band ("BLB"): Northern Gateway will provide information to BLB to ensure they are informed about emergency response planning and preventative measures.	051-R, 063-R, 064-R, 065-R, 066-R, 067-R, 068-R, 069-R, 070-R, 074-R, 075-R, 117-R, 118-R, 119-R, 168-R	AA-02-06 in response to JRP IR 15.1.	In Progress
Pre Construction	Aboriginal Engagement	139	Attachment to NGP Response to JRP IR 5.9	B040-04, p.911	Aboriginal Engagement - Emergency response plans	Heiltsuk Nation: Northern Gateway will provide opportunities to discuss emergency response plans and oil spill emergency response with Heiltsuk Nation should the Project be approved.	117-R, 118-R, 119-R, 168-R	AA-02-07 in response to JRP IR 15.1.	In Progress
Pre Construction	Aboriginal Engagement	143	NGP Response to Six Nations IR No. 1	B038-22, p.23	Aboriginal Engagement - Enoch Cree	Northern Gateway will share information with the Enoch Cree Nation about emergency preparedness before construction starts, including making reasonable attempts to address concerns.	168-R	AA-02-11 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	144	Attachment to NGP Response to JRP IR 5.9	B040-04, p.310	Aboriginal Engagement - Final route review	Aseniwuche Winewak Nation ("AWN"): Northern Gateway will give the AWN an opportunity to review the final, staked route prior to construction to identify traditional use sites containing important plant species.	053-R, 054-R, 055-R, 056-R	AA-02-12 in response to JRP IR 15.1. April 2014: Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site-specific data should be contained within the AWN ATK Study.	In Progress

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Pre Construction	Aboriginal Engagement	145	Attachment to NGP Response to JRP IR 5.9	B040-04, p.248	Aboriginal Engagement - Fish surveys	Duncan's First Nation ("DFN"): Northern Gateway will engage in further dialogue with the DFN regarding annual fish surveys.	120-R, 121-R	AA-02-13 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	146	Attachment to NGP Response to JRP IR 5.9	B040-04, p.9	Aboriginal Engagement - Fisheries Habitat Compensation	Whitefish Lake First Nation #128 ("WLFN"): If authorizations under the Fisheries Act were to be required, fisheries habitat compensation would be developed to ensure no net loss. In that event, Northern Gateway will offer the WLFN Cree Nation the opportunity to discuss site-specific habitat compensation planning for crossings of interest to them.	120-R, 121-R	AA-02-14 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	147	Attachment to NGP Response to JRP IR 5.9	B040-04, p.17	Aboriginal Engagement - Fisheries Habitat Compensation	Saddle Lake Cree Nation ("SLCN"): If authorizations under the Fisheries Act were to be required fisheries habitat compensation would be developed to ensure no net loss. In that event, Northern Gateway will offer the SLCN the opportunity to discuss site-specific habitat compensation planning for crossings of interest to them.	120-R, 121-R	AA-02-15 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	148	Attachment to NGP Response to JRP IR 5.9	B040-04, p.384	Aboriginal Engagement - Fisheries Habitat Compensation	Kelly Lake Cree Nation ("KLCN"): If authorizations under the Fisheries Act were to be required fisheries habitat compensation would be developed to ensure no net loss. In that event, Northern Gateway will offer the KLCN the opportunity to discuss site-specific habitat compensation planning for crossings of interest to them.	120-R, 121-R, 078-R	AA-02-16 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	149	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.84	Aboriginal Engagement - Fisheries Habitat Compensation	Office of the Wet'suwet'en ("OOW"): If authorizations under the Fisheries Act were to be required, fisheries habitat compensation would be developed to ensure no net loss. In that event, Northern Gateway will offer the OOW the opportunity to discuss site-specific habitat compensation planning for crossings of interest to them.	052-R, 067-R, 068-R, 069-R, 070-R, 120-R, 121-R	AA-02-17 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	150	Attachment to NGP Response to JRP IR 5.9	B040-04, p.343	Aboriginal Engagement - Flagging sites	Nose Creek Settlement ("NCS"): Before construction, as and where practical and reasonable, NCS will be given an opportunity to flag ecological areas, wildlife habitat. During construction, Northern Gateway will limit debris, avoid flagged mineral licks and game trails.	063-R, 064-R, 065-R, 066-R, 102-R, 103-R, 104-R, 105-R	AA-02-18 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	151	Attachment to NGP Response to JRP IR 5.9	B040-04, p.353	Aboriginal Engagement - Flagging sites	Nose Creek Settlement ("NCS"): Before construction, NCS will be given an opportunity to flag ecological areas, including hunting trails.	063-R, 064-R, 065-R, 066-R, 102-R, 103-R, 104-R, 105-R	AA-02-19 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	152	Attachment to NGP Response to JRP IR 5.9	B040-04, p.169	Aboriginal Engagement - Habitat Protection	Sawridge First Nation: Northern Gateway will use several measures to enhance habitat protection and restoration. These will be reviewed with the Sawridge (Sawridge First Nation) before construction starts.	060-R, 061-R, 062-R, 063-R, 064-R, 065-R, 066-R, 071-R, 072-R, 073-R	AA-02-20 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	153	Attachment to NGP Response to JRP IR 5.9	B040-04, p.616	Aboriginal Engagement - Keyoh holders	Tl'azt'en Nation ("TN"): Northern Gateway will work with the TN to provide information to Keyoh holders before, during, and following completion of construction.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R, 067-R, 068-R, 069-R, 070-R, 074-R, 075-R, 089-R, 090-R, 091-R, 092-R	AA-02-21 in response to JRP IR 15.1.	In Progress

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Pre Construction	Aboriginal Engagement	154	Attachment to NGP Response to JRP IR 5.9	B040-04, p.276	Aboriginal Engagement - Land access (hunting)	Duncan's First Nation ("DFN"): Northern Gateway will provide reasonable detail on the land access plans regarding hunting.	074-R, 075-R	AA-02-22 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	156	Attachment to NGP Response to JRP IR 5.9	B040-04, p.179	Aboriginal Engagement - Medicinal Plants	Swan River First Nation ("SRFN"): Northern Gateway will avoid areas identified as containing rare medicinal plants by SRFN traditional knowledge holders, where practical. Where avoidance is not possible, Northern Gateway will support the SRFN in harvesting these areas prior to construction.	102-R, 103-R, 104-R, 105-R	AA-02-24 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	157	Attachment to NGP Response to JRP IR 5.9	B040-04, p.112	Aboriginal Engagement - Mineral Lick Identification	Grande Cache Métis Local #1994 ("GCML"): Northern Gateway will give the GCML an opportunity to identify mineral licks in advance of construction, which will be avoided in construction where possible.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R	AA-02-25 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	158	Attachment 1 to NGP Response to JRP IR 10.9	B074-05, p.16	Aboriginal Engagement - Mitigation	Driftpile Cree Nation ("DCN"): Before construction, Northern Gateway will review mitigation measures with the DCN, including avoiding sensitive areas, constructing during critical times, limiting sensory disturbance, and limiting new access.	063-R, 064-R, 065-R, 066-R, 071-R, 072-R, 073-R, 074-R, 075-R, 102-R, 103-R, 104-R, 105-R	AA-02-26 in response to IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	159	Attachment to NGP Response to JRP IR 5.9	B040-04, p.57	Aboriginal Engagement - Reclamation	Enoch Cree Nation (“ECN”): Northern Gateway will involve ECN in the reclamation and abandonment plans where ECN Traditional Territory will be crossed by the Project, and use native plant species in reclamation.	063-R, 064-R, 065-R, 066-R, 071-R, 072-R, 073-R	AA-02-27 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	160	Attachment to NGP Response to JRP IR 5.9	B040-04, p.336	Aboriginal Engagement - Route walk	Aseniwuche Winewak Nation ("AWN"): Northern Gateway will give the AWN an opportunity to walk the final, staked line before clearing, to identify specific cultural resources and effects.	053-R, 054-R, 055-R, 056-R	AA-02-28 in response to JRP IR 15.1. April 2014 - Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site-specific data should be contained within the AWN ATK Study.	In Progress
Pre Construction	Aboriginal Engagement	161	Attachment to NGP Response to JRP IR 5.9	B040-04, p.424	Aboriginal Engagement - Route walk	Kelly Lake First Nation ("KLFN"): Northern Gateway will provide an opportunity for KLFN to walk the finalized RoW between KP 523 and KP 573, to identify wildlife habitat.	063-R, 064-R, 065-R, 066-R	AA-02-29 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	162	Attachment to NGP Response to JRP IR 5.9	B040-04, p.515	Aboriginal Engagement - Route walk and additional studies	McLeod Lake Indian Band ("MLIB"): Northern Gateway will provide opportunities for undertaking a 'route walk' before clearing and construction and undertaking, post-certification, additional studies, where warranted, to the extent the MLIB is reciprocally interested and willing.	Commitment	AA-02-30 in response to JRP IR 15.1.	Assessed

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Pre Construction	Aboriginal Engagement	163	Attachment to NGP Response to JRP IR 5.9	B040-04, p.334	Aboriginal Engagement - RoW Visit	Aseniwuche Winewak Nation ("AWN"): Northern Gateway will make reasonable efforts to give the AWN an opportunity for Elders to view the RoW and facility locations once the Project is flagged.	053-R, 054-R, 055-R, 056-R	AA-02-31 in response to JRP IR 15.1. April 2014: Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site-specific data should be contained within the AWN ATK Study.	In Progress
Pre Construction	Aboriginal Engagement	164	Attachment to NGP Response to JRP IR 5.9	B040-04, p.406	Aboriginal Engagement - Safety & Emergency Response Meeting	Kelly Lake Cree Nation ("KLCN"): Northern Gateway will offer meeting opportunities to KLCN to share details about the Project, its safety and emergency response plan and emergency protocols, including notification procedures. Notification of the KLCN will be part of operational response planning procedures.	168-R	AA-02-32 in response to JRP IR 15.1.	In Progress
Pre Construction	Aboriginal Engagement	165	Attachment to NGP Response to JRP IR 5.9	B040-04, p.19	Aboriginal Engagement - Sponsorship	Saddle Lake Cree Nation ("SLCN"): Northern Gateway will consider sponsoring community programs proposed by the SLCN.	Commitment	AA-02-33 in response to JRP IR 15.1.	Complete-to-date
Pre Construction	Aboriginal Engagement	166	Attachment to NGP Response to JRP IR 5.9	B040-04, p.68	Aboriginal Engagement - Technical meeting	Alexander First Nation ("AFN"): Northern Gateway will offer a further meeting or technical session to the AFN that includes a component on water contamination.	033-R, 034-R, 035-R	AA-02-34 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	167	Attachment to NGP Response to JRP IR 5.9	B040-04, p.83	Aboriginal Engagement - Technical meeting	Alexander First Nation ("AFN"): Northern Gateway will offer a further meeting or technical session to the AFN that includes a component on review of access management, conservation and reclamation, accidents and malfunctions.	033-R, 034-R, 035-R, 074-R, 075-R, 168-R	AA-02-35 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	168	Attachment to NGP Response to JRP IR 5.9	B040-04, p.315	Aboriginal Engagement - Traditional sites	Aseniwuche Winewak Nation ("AWN"): Northern Gateway will give the AWN an opportunity before construction to identify traditional sites, including important hunting areas.	053-R, 054-R, 055-R, 056-R	AA-02-36 in response to JRP IR 15.1. April 2014: Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site-specific data should be contained within the AWN ATK Study.	In Progress
Pre Construction	Aboriginal Engagement	169	Attachment to NGP Response to JRP IR 5.9	B040-04, p.180	Aboriginal Engagement - Training and Employment	Swan River First Nation ("SRFN"): SRFN members will be given an opportunity to become involved in monitoring the construction of the RoW through training and employment initiatives for the Project.	077-R	AA-02-37 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	171	Attachment to NGP Response to JRP IR 5.9	B040-04, p.103	Aboriginal Engagement - Vegetation Management	Grande Cache Métis Local #1994 ("GCML"): Northern Gateway will give the GCML an opportunity to identify berries and medicinal plants prior to construction, transplant seeds where medicinal plants cannot be avoided in construction, and use natural or mechanical weed clearing where possible.	053-R, 054-R, 055-R, 056-R, 102-R, 103-R, 104-R, 105-R	AA-02-39 in response to JRP IR 15.1.	In Progress

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Pre Construction	Aboriginal Engagement	172	Attachment to NGP Response to JRP IR 5.9	B040-04, p.176	Aboriginal Engagement - Watercourse Crossing	Swan River First Nation ("SRFN"): Northern Gateway will seek to avoid effects on waterways, will permit community members to monitor construction, and will conduct directional drilling, where warranted and as described in the Application.	063-R, 064-R, 065-R, 066-R, 125-R, 126-R	AA-02-40 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	173	Attachment to NGP Response to JRP IR 5.9	B040-04, p.116	Aboriginal Engagement - Watercourse Planning	Paul (Paul First Nation) ("PFN"): Northern Gateway will share data and information from environment studies on watercourse crossings with PFN, will give the PFN an opportunity to identify wallows and springs prior to construction, will avoid them where reasonably practical, will use temporary bridges where reasonably compatible with construction plans, and will avoid muskegs and wetlands with a setback where possible.	067-R, 068-R, 069-R, 070-R, 125-R, 126-R	AA-02-41 in response to JRP IR 15.1.	Complete-to-date
Pre Construction	Aboriginal Engagement	175	NEB Application Volume 5 Update Section 5	B024-02	Fisheries Habitat Compensation Planning	If authorizations under the Fisheries Act are required for any of the crossings, fisheries habitat compensation will be developed to ensure no net loss. In that event, Northern Gateway will offer the opportunity to discuss site-specific habitat compensation planning to Aboriginal groups that have expressed an interest or concern in regards to watercourse crossings.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R, 125-R, 126-R	AA-02-43 in response to JRP IR 15.1. A2 in response to JRP IR 1.2.	In Progress
Pre Construction	Aboriginal Engagement	176	NEB Application Volume 5 Update Sections 5.1.2, 5.2.1, 5.2.2, 5.2.4, 5.2.5, 5.6.1, 5.6.5, 5.9.7	B024-02	Plant harvest (aboriginal groups)	Northern Gateway will provide an opportunity for participating Aboriginal groups to harvest medicinal and food-source plants before the RoW and pump station sites are cleared for construction, if the RoW or pump stations overlap traditional use areas of Aboriginal groups residing near the RoW.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R	AA-02-44 in response to JRP IR 15.1. H3 in response to JRP IR 1.2.	Assessed
Pre Construction	Aboriginal Engagement	177	NEB Application Volume 5 Update Sections 5.2.1, 5.4.3.2 NGP Response to Six Nations IR No. 1	B024-02 B038-22, p.23	Route walks - Enoch Cree and Duncan's	Before clearing and construction, Northern Gateway will offer the Enoch Cree Nation and Duncan's First Nation the opportunity to do a route walk to identify specific cultural resources, hunting sites and medicinal plant locations.	053-R, 054-R, 055-R, 056-R	AA-02-45 in response to JRP IR 15.1. G1 in response to JRP IR 1.2.	Assessed
Pre Construction	Aboriginal Engagement	178	NEB Application Volume 5 Update Section 4.2.2	B024-02, p.49	Trapper and Harvester Compensation	Before construction, each Aboriginal group along the pipeline will be offered the opportunity to participate in a program designed to identify traditional use trappers, harvesters and yields.	053-R, 054-R, 055-R, 056-R	AA-02-46 in response to JRP IR 15.1. H1 in response to JRP IR 1.2.	Assessed
Pre Construction	Aboriginal Engagement	179	NEB Application Volume 5 Update Section 5 NGP Response to T. Vulcano IR No. 1	B024-02 B037-07, p.3	Watercourse Crossings - Aboriginal consultation	Northern Gateway will continue to provide opportunities to review and participate in watercourse crossing assessments in future phases of the Project to Aboriginal groups that have expressed an interest or concern in regards to watercourse crossings. This consultation will take place during the detailed engineering phase of the Project, which would commence after issuance of a Certificate of Public Convenience and Necessity, and take place over the course of one to two years prior to commencement of construction.	125-R, 126-R	AA-02-47 in response to JRP IR 15.1. B2 in response to JRP IR 1.2.	In Progress
Pre Construction	Aboriginal Engagement	181	Attachment to NGP Response to JRP IR 5.9	B040-04, p.381	Construction access plan	Kelly Lake Cree Nation ("KLCN"): Northern Gateway will consider routes proposed by KLCN when developing its construction access plan.	Commitment	C-02-02 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	182	Attachment to NGP Response to JRP IR 5.9	B040-04, p.352	Construction Boundary - Cabins, burials	Nose Creek Settlement ("NCS"): Northern Gateway will establish a boundary around cabins and burials; however, it is not currently known what boundary is practical.	Commitment	C-02-03 in response to JRP IR 15.1.	Assessed

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Pre Construction	Aboriginal Engagement	184	Attachment to NGP Response to JRP IR 5.9	B040-04, p.369	Fencing - burial sites	Métis Nation of Alberta Region 6 ("MNA Region 6"): At minimum, Northern Gateway will fence and restrict access to burial sites.	Commitment	C-02-05 in response to JRP IR 15.1.	Assessed
Pre Construction	Aboriginal Engagement	217	NEB Application Volume 5 Update Section 5.4.4	B024-02, p.183	Route walk - Aseniwuche Winewak Nation	Northern Gateway will offer the Aseniwuche Winewak Nation Elders the opportunity to do a route walk of the pipeline Route R in 2011, specific to KP 495.	053-R, 054-R, 055-R, 056-R	EV-02-21 in response to JRP IR 15.1. G2 in response to JRP IR 1.2. April 2014: Ongoing dialogue with AWN in relation to commitments since November 2013. AWN has advised that relevant site specific data should be contained within the AWN ATK Study.	In Progress
Pre Construction	Aboriginal Engagement	728	Transcript, Vol. 103, Line 28868		Aboriginal Engagement - Access Management, Little Smoky Herd	Swan River First Nation (SRFN): Northern Gateway will continue to engage with SRFN before a draft Little Smoky herd access management sub-plan is finalized.	060-R, 061-R, 062-R, 074-R, 075-R		Assessed
Pre Construction	Benefits & Sustainability	137	Attachment to NGP Response to JRP IR 5.9	B040-04, p.130	Aboriginal Engagement - Communication	Paul (Paul First Nation) ("PFN"): Northern Gateway will: 1) Hold a meeting in the community to communicate employment and training opportunities. 2) Deliver announcements door-to-door in the community for upcoming meetings, training or employment opportunities. 3) Provide a safety orientation and training presentation to the community.	076-R, 077-R, 168-R	AA-02-05 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	140	Attachment to NGP Response to JRP IR 5.9	B040-04, p.461	Aboriginal Engagement - Employment Opportunities	Kelly Lake Métis Settlement Society (KLMSS): Northern Gateway will continue to provide opportunities to KLMSS to discuss employment, training and business.	076-R, 077-R, 168-R	AA-02-08 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	141	Attachment to NGP Response to JRP IR 5.9	B040-04, p.400	Aboriginal Engagement - Employment Opportunities Meeting	Kelly Lake Cree Nation ("KLCN"): Northern Gateway will continue to offer to meet with KLCN to discuss education and training, job opportunities including Aboriginal monitoring, and contracting opportunities and process for bidding on construction contracts.	033-R, 034-R, 035-R, 076-R, 077-R, 093-R, 168-R	AA-02-09 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	142	Attachment to NGP Response to JRP IR 5.9	B040-04, p.428	Aboriginal Engagement - Employment opportunities meeting	Kelly Lake First Nation ("KLFN"): Northern Gateway will offer KLFN opportunities to meet to discuss skills evaluations and training opportunities, including emergency response employment and contracting opportunities.	076-R, 077-R, 093-R, 168-R	AA-02-10 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	170	Attachment to NGP Response to JRP IR 5.9	B040-04, p.184	Aboriginal Engagement - Training, Employment, Community Investment	Swan River First Nation ("SRFN"): Where reasonably practical, Northern Gateway will train and employ SRFN members associated with the Project, and will consider community investment initiatives, including contribution towards worthwhile community programs.	077-R, 093-R, 168-R	AA-02-38 in response to JRP IR 15.1.	Assessed

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Pre Construction	Benefits & Sustainability	231	Volume 5A - Aboriginal Engagement Update - June 2015	B024-02, p.46	Aboriginal economic benefits	In the marine service area, Northern Gateway will support training and joint venture opportunities to enhance employment benefits for coastal First Nations.	076-R, 077-R	P-02-03 in response to JRP IR 15.1. Employment opportunities will be generated by a number of Project-related activities, including: - escort tugs - berthing tugs - mooring boats - advance spotter boats - regional first response - environmental monitoring Northern Gateway will work with participating Aboriginal groups to identify procurement and employment opportunities in each of these areas.	Assessed
Pre Construction	Benefits & Sustainability	232	Volume 5A - Aboriginal Engagement Update - June 2013	B024-02, p.46	Aboriginal employment	Northern Gateway is committed to facilitating meaningful Aboriginal employment opportunities during construction and operations of the Project. A cornerstone of this commitment is an underlying commitment to facilitate training initiatives required to enable prospective Aboriginal employees to gain necessary skills. The Northern Gateway Skills and Employment Initiatives team will collaborate with training providers, government sponsors and applicable trade unions so that quality training is available to Aboriginal groups in time to meet Project recruitment requirements. Northern Gateway will also ensure prime contractors implement similar initiatives as part of its contract with them.	076-R, 077-R, 135-R	P-02-04 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	234	Response to District of Fort St. James IR No. 1	B041-03, p.3	Aboriginal employment	Northern Gateway will work with local community colleges, including the College of New Caledonia in Fort St. James to help prepare the northern and Aboriginal communities for employment and contracting opportunities with Northern Gateway.	076-R, 077-R	P-02-06 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	236	NEB Application Volume 5 Update Section 5	B024-02	Aboriginal employment - engagement	As engagement activities progress, Northern Gateway will offer to meet with the Aboriginal groups that have expressed interest in economic opportunities, to assess the current capacity of the Aboriginal group's members to be employed on Project construction, and training that might be undertaken to enhance that capacity. Similar discussions will be offered in relation to contracting opportunities.	076-R, 077-R	P-02-08 in response to JRP IR 15.1. K5 in response to JRP IR 1.2.	In Progress

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Pre Construction	Benefits & Sustainability	237	NEB Application Volume 4: Public Consultation, Section 3.6.7 - Volume 4: Public Consultation Application Update (2010)	B002-01, p.79 B022-02, p.27	Business Registration Tool	For communities, businesses and Aboriginal groups along the pipeline route and in coastal areas close to Project-related marine traffic, Northern Gateway will develop a business registration tool.	076-R, 136-R	P-02-09 in response to JRP IR 15.1. Northern Gateway will continue to connect regularly with all online registrants, and considers this database an important indicator of capacity along the RoW and a source of potential employees and contracting businesses. K2 in response to JRP IR 1.2.	Complete-to-date
Pre Construction	Benefits & Sustainability	238	NEB Application Volume 4: Public Consultation, Section 3.6.7	B002-01, p.79	Contracting opportunities list	For communities, businesses and Aboriginal groups along the pipeline route and in coastal areas close to Project-related marine traffic, Northern Gateway will develop a comprehensive list of contracting opportunities associated with pipeline construction as part of the labour market information package for communities.	094-R, 136-R	P-02-10 in response to JRP IR 15.1. K3 in response to JRP IR 1.2.	In Progress
Pre Construction	Benefits & Sustainability	239	Response to Province of BC IR No. 2	B047-28, p.18	Employment	To achieve Northern Gateway's education, training and employment objectives Northern Gateway will: - Advise the local Aboriginal and non-Aboriginal workforce, both existing and emerging, of employment opportunities in the pipeline and construction industry. - Connect local Aboriginal and non-Aboriginal communities with existing community based education and training opportunities in the pipeline construction sector and associated funding. - Respect the uniqueness of communities while striving to ensure opportunities associated with education and training is fair. - Encourage local Aboriginal and non-Aboriginal people, especially youth, to consider the benefits of careers in the pipeline construction trades and other employment opportunities in the oil and gas industry. - Work closely with organizations that provide pre-employment, education and training services as a means of building partnerships and relationships. - Educate communities about pipelines, the oil and gas industry and construction. - Build relationships with contractors and employers and identify ways for these organizations to train and increase the employment opportunities for a local and Aboriginal workforce. - Develop and enhance existing key communications materials which can be used by front line company representatives to explain the project to individuals and communities including school age children.	076-R, 077-R, 093-R, 094-R	P-02-11 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	246	Response to JRP IR No. 5 - Reply and Update - Public Consultation	B040-02, p.19 B083-26, p.30	Education and Training Fund	As part of its Education, Training and Employment Strategy, Northern Gateway developed a $1.5 million Education and Training Fund to support flexible community based training in the pipeline and construction sector. In December 2012, Northern Gateway increased the Fund to over $3 million.	Commitment	P-02-06 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	247	NEB Application Volume 4: Public Consultation, Section 3.6.6	B002-01, p.78	Employment - Baseline data tools	Northern Gateway will develop tools that will enable communities and Aboriginal groups to establish baseline data on local skills, education and businesses.	076-R, 077-R, 093-R, 094-R	PA-02-07 in response to JRP IR 15.1. L1 in response to JRP IR 1.2.	In Progress

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Pre Construction	Benefits & Sustainability	249	Volume 4: Public Consultation Application Update (2010)	B022-02, p.26	Training Advisory Committee	Northern Gateway is working with four craft unions and in partnership with the Pipeline Contractors Association of Canada on a Training Advisory Committee initiative. The group began meeting in 2010, and will continue to collaborate on training and employment opportunities in construction for Aboriginal communities.	Commitment	PA-02-09 in response to JRP IR 15.1.	In Progress
Pre Construction	Benefits & Sustainability	724	NGP Response to JRP IR No.9	B058-02, p.3	Code of Conduct	A Code of Conduct for project workers similar to that filed as Attachment 4 to JRP IR 9.1 (Alberta Clipper example) will be developed for Northern Gateway to be submitted to the JRP, six months prior to commencement of construction.	Commitment		Assessed
Pre Construction	Benefits & Sustainability	938	NGP Response to JRP IR No. 14.1(a.2)	B164-02, p.7	Yearly Training Summaries	Northern Gateway will complete a yearly summary of training activities and outcomes every December.	077-R, 079-R		Assessed
Pre Construction	Benefits & Sustainability	939	NGP Response to JRP IR No. 5.3 (a.1)	B040-02, p.9	Training and Monitoring Plans	Northern Gateway will require the training institutions and organizations that provide industry related training, as a condition to any funding provided, to provide training and a monitoring plan.	077-R		Assessed
Pre Construction	Construction	183	Response to JRP IR No. 5	B040-02, p.11	Construction camp policy	A construction camp policy for the Project will be developed during detailed engineering and construction planning and will be finalized six months prior to construction.	Commitment	C-02-04 in response to JRP IR 15.1.	In Progress
Pre Construction	Construction	186	NGP Response to JRP IR No.11.5a	B101-02, p.19	Joining program	Northern Gateway will develop and submit a comprehensive Joining Program prior to commencement of pipeline welding.	046-R, 047-R, 048-R	C-02-07 in response to JRP IR 15.1.	In Progress
Pre Construction	Construction	187	Response to Federal Government IR No. 1	B041-04, p.31	Navigation impact mitigation	Prior to, and during construction, all reasonable efforts will be made to limit impediments to navigation. User groups will be informed regularly, hazards to navigation will be clearly and safely marked, and the terms of applicable permits will be met.	Commitment	C-02-08 in response to JRP IR 15.1.	Assessed
Pre Construction	Construction	188	NEB Application Volume 5 Update Section 5.4.5	B024-02, p.186	Nose Creek Settlement - Camp consultation	Communities of the Nose Creek Settlement that are potentially close to construction camps will be consulted before finalization of the camp locations during detailed engineering and construction planning.	Commitment	CS-02-01 in response to JRP IR 15.1. C1 in response to JRP IR 1.2.	Assessed
Pre Construction	Construction	918	NGP Response to JRP IR No. 8.13(b)	B047-10, p.36-37	Clearing - Moose Consideration	Duncan's First Nation ("DFN"): Northern Gateway will schedule clearing for pipeline construction in areas with moose to avoid identified sensitive seasons and life-stages whenever possible.	Commitment		Assessed
Pre Construction	Construction	920	NGP Response to JRP IR No. 14.1(a.1)	B164-02, p.3-4	Consultation - Construction Execution Plans	Northern Gateway will develop construction execution plans (CEPs) in consultation with potentially affected Aboriginal groups, municipal authorities, local businesses, police, emergency responders, hospital authorities, school boards and provincial government departments.	Commitment		Assessed
Pre Construction	Construction	921	NGP Response to JRP IR No. 9.1(a-f)	B058-02, p.2	Construction Policies	Northern Gateway will establish and enforce policies to limit adverse interactions between the workforce and the local communities. These policies will advocate: - coordinating and working with local police (generally Royal Canadian Mounted Police [RCMP]) on enforcement issues, including monitoring traffic, and proactively preventing traffic congestion and increased potential for accidents - coordinating and working with local health providers - using buses or shared vehicles to reduce adverse effects on traffic - establishing liaisons with local town and city governments and NGOs for early detection of possible tensions or friction caused by project activities or work crews	078-R		Assessed

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Pre Construction	Construction	923	NGP Response to Federal Government IR No. 1.44-1.45	B041-04, p.92-93	Fire Response Contingency Plan	Northern Gateway will update the project's Fire Response Contingency Plan to be consistent with the Canadian Incident Command System ("ICS") and the Wildfire Regulation prior to construction.	63-R, 64-R, 65-R, 66-R		Assessed
Pre Construction	Emergency Management	191	Response to Gitxaala Nation IR No. 2 Response to Haisla IR No.1 Response to Federal Government IR 100	B045-07, p.3 B039-03, p.167 B041-04, p.211	Chemical analysis of hydrocarbons	Northern Gateway has initiated supplemental chemical analysis of the hydrocarbons, and will provide further detail regarding alkylated PAHs in the hydrocarbons when it becomes available. The analysis will include naphthalene (C1-N, C2-N, C3-N and C4-N), phenanthrene (C1-P, C2-P, C3-P and C4-P), dibenzothiophene (C1-D, C2-D and C3-D), fluorene (C1-F, C2-F and C3-F) and chrysene (C1-C, C2-C and C3-C).	169-R	E-02-03 in response to JRP IR 15.1.	Complete
Pre Construction	Emergency Management - Marine	727	NGP Response to JRP IR 14.4, Attachment 1	B164-13, p.11	Scientific Advisory Committee	Northern Gateway accepts the suggestion of Environment Canada for development of a Scientific Advisory Committee, which will provide advice on research elements to advance knowledge applicable to detailed emergency preparedness and response planning. A framework for development and objectives for the committee will be initiated in 2013, assuming participation by Federal, and Provincial regulators and other industry participants.	167-R, 169-R		In Progress
Pre Construction	Engineering	189	NGP Written Reply Evidence NGP Response to JRP IR No. 10.3 Response to Province of BC IR No. 2 NGP Response to JRP IR 12	B083-02, p.31 B074-2, p.4 B047-28, p.31 B074-02, p.4, B047-28, p.29 B109-02, p.13	Acid rock management	Northern Gateway will consult with Environment Canada, applicable provincial agencies, participating Aboriginal groups and applicable stakeholders in the development of final acid rock management procedures and mitigation measures prior to construction of the Project.	Commitment	E-02-01 in response to JRP IR 15.1.	Assessed
Pre Construction	Engineering	190	NEB Application Volume 5 Update Section 5.6.9	B024-02, p.314-315	Burns Lake Pump Station Power Supply	Northern Gateway will work with BC Hydro to ensure that the power supply secured for the proposed Burns Lake pump station does not adversely affect the existing power supply to the Cheslatta Carrier Nation community.	Commitment	E-02-02 in response to JRP IR 15.1. E8 in response to JRP IR 1.2.	In Progress
Pre Construction	Engineering	193	NGP Written Reply Evidence	B083-02, p.7	River crossings	Northern Gateway has determined that three additional crossings will now be investigated for crossing by trenchless methods. The subject streams are Latornell River, Pinto Creek, and Little Smoky River.	Commitment	E-02-05 in response to JRP IR 15.1.	In Progress
Pre Construction	Engineering	194	NGP Written Reply Evidence	B083-02, p.9	River crossings	Northern Gateway will have an update on the crossing methods and timings for all of the pipeline watercourse crossings that are under review (July 12, 2012), prior to completion of the Hearings.	Commitment	E-02-06 in response to JRP IR 15.1.	Complete
Pre Construction	Engineering	195	NEB Application Volume 3 Section. 2.4.12	B001-05, p.23	Watercourse Crossing - Stuart River	For the Stuart River Crossing (KP 810 to KP 833), further geotechnical investigations to confirm subsurface conditions and the proposed trenchless crossing method will be conducted during detailed engineering.	Commitment	E-02-07 in response to JRP IR 15.1. E4 in response to JRP IR 1.2.	Assessed

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Pre Construction	Engineering	196	NEB Application Volume 3 Section 2.4.8	B001-05, p.22	Watercourse Crossing - Wapiti River	For the Wapiti River Crossing (KP 475 to KP 520), further geotechnical investigations to confirm subsurface conditions will be conducted during detailed engineering.	Commitment	E-02-08 in response to JRP IR 15.1. E3 in response to JRP IR 1.2.	Assessed
Pre Construction	Environment	93	Response to Federal Government IR No. 2 Transcript, Vol. 114, Line 13078	B046-02, p.210	Harvest studies	Northern Gateway has committed to fund harvest studies for coastal Aboriginal groups to better understand the location of harvests, the type and amount of resources harvested, the timing and quality of the harvest, as well as quantifying the FSC fishery. The duration of the harvest studies will be 3 years, by season.	36-R, 37-R	AA-01-93 in response to JRP IR 15.1.	In Progress
Pre Construction	Environment	127	NEB Application Volume 7A Response to Swan River FN IR No. 1	B045-26, p.29	EPMP - Enhanced Reclamation Plan	Northern Gateway will develop an Enhanced Reclamation Plan that will address specific activities that are typically beyond what is routinely included in a pipeline reclamation plan and are designed to enhance ecological integrity of affected lands.	063-R, 064-R, 065-R, 066-R	EV-01-01 in response to JRP IR 15.1.	In Progress
Pre Construction	Environment	128	Response to Federal Government IR 2.23h	B046-2, p.54-55	Grey whale migration	Northern Gateway will expand the scope of its quantitative marine mammal-vessel strike analysis to include strike risk for migrating grey whales, using the data to be provided by DFO.	050-R	EV-01-02 in response to JRP IR 15.1.	In Progress
Pre Construction	Environment	129	Response to Haisla Nation IR No. 2 Response to Federal Government IR 2.66	B045-08, p.86 B046-39	Pipeline EEMP	Northern Gateway is committed to undertaking a Pipeline EEMP at selected locations along the pipeline route to establish representative baseline conditions in terms of environmental quality and abundance/diversity.	027-R, 028-R, 029-R, 030-R, 031-R	EV-01-03 in response to JRP IR 15.1. Superseded by Conditions 27-29.	Superseded
Pre Construction	Environment	130	Response to Swan River FN IR No. 1	B045-26, p.56	Pipeline route - Sensitive species	Following Project approval and during detailed engineering, Northern Gateway commits to conducting a cross-check of the proposed pipeline route with the government database to ensure that there is no overlap with sensitive species locations.	Commitment	EV-01-04 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	131	Response to Province of BC IR No. 2	B047-28, p.62	Project Effects Assessment Area mapping	Northern Gateway will collaborate with the British Columbia Ministry of Forests, Lands and Natural Resource Operations to complete the mapping of winter range areas within the Project Effects Assessment Area (PEAA). During detailed engineering, Northern Gateway will consult with the British Columbia Ministry of Forests, Lands and Natural Resource Operations in order to: 1) further identify sensitive wildlife areas (e.g., winter range, calving areas, summer range) and time periods within the PEAA; and 2) further identify actions to mitigate potential Project effects on these areas and time periods (e.g., avoidance, construction timing).	057-R, 058-R, 059-R	EV-01-05 in response to JRP IR 15.1.	Complete-to-date
Pre Construction	Environment	174	NGP Response to Haisla Nation IR No. 1	B039-03, p.61	Culturally Modified Trees	Neither Northern Gateway nor any of its employees or contractors will damage or destroy CMTs without first consulting the First Nation or First Nations on whose traditional territory the CMTs are located and such damage or destruction will, to the extent practicable, be avoided. Northern Gateway will also comply with all requirements of the Heritage Conservation Act of British Columbia when undertaking geophysical or archeological assessments, and will seek to employ best industry practice in dealing with these resources.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R, 095-R, 096-R, 097-R, 098-R	AA-02-42 in response to JRP IR 15.1.	In Progress

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Pre Construction	Environment	180	Wetland Function Assessment Framework	B080-15, p.13	Alignment sheets	The environmental alignment sheets will be completed and provided to the NEB for review and comment at least 60 days prior to the start of clearing. The construction alignment sheets will also be completed and provided to the NEB at least 60 days prior to the start of construction.	063-R, 064-R, 065-R, 066-R, 148-R, 149-R, 150-R	C-02-01 in response to JRP IR 15.1.	Superseded
Pre Construction	Environment	185	Transcript, Vol. 102, Lines 26865-26866		Independent Environmental Audit	Northern Gateway will consider hiring an independent auditor with respect to environmental compliance during construction.	Commitment	C-02-06 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	192	NGP Response to JRP IR No. 1.1	B027-02, p.3	Powerline Route - Environmental Information	Detailed environmental route-specific information (e.g. hydrology, fish and fish habitat, terrain, soils, vegetation, wildlife habitat, historic resources, land use) will be collected on the powerline routes once they are finalized and provincially approved prior to commencement of construction.	Commitment	E-02-04 in response to JRP IR 15.1. F1 in response to JRP IR 1.2.	Assessed
Pre Construction	Environment	197	NEB Application Volume 5 Update Section 5	B024-02	Aboriginal Consultation - Environmental Effects Monitoring (PEEMP, MEEMP)	Northern Gateway will work to develop community-based environmental effects monitoring with the Aboriginal groups that have expressed this as an interest or concern.	027-R, 028-R, 029-R, 030-R, 031-R, 032-R, 033-R, 034-R, 035-R, 036-R, 037-R, 038-R, 197-R, 198-R	EV-02-01 in response to JRP IR 15.1. G3 in response to JRP IR 1.2.	Assessed
Pre Construction	Environment	198	NGP Response to Six Nations IR No. 1	B038-22, p.23	Aboriginal Engagement - Reclamation (Enoch Cree)	Northern Gateway will consider the Enoch Cree Nation's suggestions with respect to preferred methods of RoW reclamation via future consultation with Enoch Cree Nation.	063-R, 064-R, 065-R, 066-R	EV-02-02 in response to JRP IR 15.1.	In Progress
Pre Construction	Environment	199	NEB Application Volume 5 Update Section 5	B024-02	Access Management Plan	The Access Management Plan will be developed further in collaboration with wildlife agencies, participating Aboriginal groups and stakeholders. Northern Gateway will finalize the Access Management Plan and submit it to the NEB following Project approval and at least 6 months prior to the commencement of construction.	063-R, 064-R, 065-R, 066-R, 074-R, 075-R	EV-02-03 in response to JRP IR 15.1. G5 in response to JRP IR 1.2.	Assessed
Pre Construction	Environment	200	NGP Written Reply Evidence	B083-02, p.21	Alignment sheet review (CWS)	Alignment sheets will be reviewed with Canadian Wildlife Service (CWS).	063-R, 064-R, 065-R, 066-R	EV-02-04 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	201	Attachment to NGP Response to JRP IR 5.9	B040-04, p.261	Bird and Nest Checks	Duncan's First Nation ("DFN"): Where practical, Northern Gateway will ensure that dead looking trees are checked for birds and nests prior to their removal.	063-R, 064-R, 065-R, 066-R	EV-02-05 in response to JRP IR 15.1.	In Progress
Pre Construction	Environment	202	Attachment to NGP Response to JRP IR 5.9	B040-04, p.872	Bird Migration mitigation	Kitselas First Nation ("KFN"): The portion of the route in KFN's territory is scheduled for summer construction. If construction of the pipelines overlaps with bird migration activities in the spring and fall and the nesting period, Northern Gateway will work with KFN and provincial and federal regulatory agencies to develop mitigation measures.	063-R, 064-R, 065-R, 066-R	EV-02-06 in response to JRP IR 15.1.	In Progress

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Pre Construction	Environment	203	Response to Federal Government IR No. 1 Conceptual Freshwater Fish Habitat Compensation Plan Version 2.0 - TDR	B041-04, p.151, 153 B082-13, p.32 Transcript, Vol. 102, Line 27262	Centreline surveys	Following Project approval, Northern Gateway will review potential gaps in wildlife survey data with provincial and federal regulatory agencies. Following finalization of the centreline (during detailed engineering and detailed routing), a centreline and wetlands survey will be conducted by teams typically consisting of an engineer, a botanist, a wildlife ecologist and an archaeologist. A fisheries biologist will be included to assist in finalizing water crossing locations. Representatives of participating Aboriginal groups will also be invited to the team. If, based on these surveys, site-specific mitigation is necessary, Northern Gateway will consult with the appropriate regulatory authorities.	083-R, 084-R	EV-02-07 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	204	Volume 4: Public Consultation Application Update (2010); Appendix R - 2010 Stakeholder Concordance Tables Response to Federal Government IR No. 1 Response to JRP IR No. 8	B022-29, p. R-120 B041-04, p.158 B047-10, p.37	Clearing plans	During clearing, where avoidance of the critical nesting period for birds is unavoidable, Northern Gateway will commit to developing with provincial and federal regulatory authorities a protocol for minimizing risk to SARA-listed and migratory nesting birds. Northern Gateway anticipates that this protocol will include pre-clearing nest searches and monitoring, and adherence to setback distances.	Commitment	EV-02-08 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	205	NEB Application Volume 3 Section 1.6.3	B001-05, p.13	Construction EPMP	A detailed Construction Environmental Protection and Management Plan (EPMP) will be submitted to the NEB before construction begins.	063-R, 064-R, 065-R, 066-R	EV-02-09 in response to JRP IR 15.1. E1 in response to JRP IR 1.2.	Superseded
Pre Construction	Environment	206	NEB Application Volume 5 Update Section 5	B024-02	Consultation - Access Management Plan	Northern Gateway will consult with resource managers, participating Aboriginal groups and stakeholders as Project planning proceeds, and will update the Access Management Plan within 60 days of pipeline construction starting.	063-R, 064-R, 065-R, 066-R, 074-R, 075-R	EV-02-10 in response to JRP IR 15.1. H4 in response to JRP IR 1.2.	Assessed
Pre Construction	Environment	207	NEB Application Volume 6A and 6C Update General	B019-29	Field assessments outside corridor	Field assessments will be conducted where the proposed centerline of the route refinement is located outside the original 1 km corridor.	Commitment	EV-02-11 in response to JRP IR 15.1. G22 in response to JRP IR 1.2.	In Progress
Pre Construction	Environment	208	Response to Federal Government IR No. 1 NGP Response to J. Wier IR No. 2	B041-04, p.1 B037-12, p.26	Groundwater monitoring programs - baseline data	Northern Gateway will design and implement a groundwater monitoring program including the collection of baseline monitoring data as required by federal and provincial regulations. Prior to construction, baseline data will be collected. Duration and frequency of sampling and list of analyses (e.g., petroleum hydrocarbons (PHCs), polycyclic hydrocarbons (PAH), and naphthenic acids (NAs)), will be finalized before construction begins. During operations, groundwater monitoring will be implemented.	099-R, 100-R, 101-R, 129-R, 130-R	EV-02-12 in response to JRP IR 15.1.	Assessed

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Pre Construction	Environment	209	NEB Application Volume 6C Environmental and Socio-Economic Assessment (ESA) - Human Environment (Heritage Resources) Section 6	B003-18, p.142	Heritage field studies - Kitimat Terminal	Northern Gateway will conduct additional field studies to further establish the heritage value of known sites at the Kitimat Terminal, examine the terminal area for any additional sites and make recommendations regarding mitigation. The archaeological impact assessment will include surface inspection, shovel testing and dating of culturally modified trees (CMTs) based on increment bore samples. Every effort will be made to undertake this work in cooperation with the Haisla Nation.	095-R, 096-R, 097-R, 098-R, 112-R, 113-R, 114-R, 115-R	EV-02-13 in response to JRP IR 15.1. G20 in response to JRP IR 1.2.	Assessed
Pre Construction	Environment	210	NEB Application Volume 7A Appendix A Northern Gateway Project Response to Government of Canada Submission Section 7.0 Environment Canada - October 2010	B003-19, p.227 B015-02, p.37	Land use guidelines - Trumpeter Swans	Land use guidelines for industrial activity near Trumpeter Swan nesting wetlands have been developed for Alberta only. No similar guidelines exist for Trumpeter Swans in the British Columbia portion of their range. For this Project, Northern Gateway will develop site-specific measures based on ASRD recommendations for both Alberta and British Columbia, where practical.	063-R, 064-R, 065-R, 066-R	EV-02-14 in response to JRP IR 15.1. G23 in response to JRP IR 1.2.	Assessed
Pre Construction	Environment	211	Response to Federal Government IR No. 2.65	B046-02, p.158 B046-37 B180-01	Marine bird KIs	Northern Gateway is prepared to discuss the selection of additional marine bird KIs with Canadian Wildlife Service, Aboriginal groups and other affected stakeholders to facilitate future baseline and monitoring studies prior to Project construction and during Project operations.	036-R, 037-R	EV-02-15 in response to JRP IR 15.1.	In Progress
Pre Construction	Environment	212	Northern Gateway Project Response to Government of Canada Submission. Section 6.0 Fisheries and Oceans Canada and Section 7.0 Environment Canada - October 2010.	B015-02, p.18	Marine Habitat Surveys - Kitimat Arm	Northern Gateway will be undertaking further marine habitat surveys within Kitimat Arm in October 2010 and will provide results to the Department of Fisheries and Oceans and Environment Canada by December 2010.	Commitment	EV-02-16 in response to JRP IR 15.1. G25 in response to JRP IR 1.2.	Complete
Pre Construction	Environment	213	Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B085-02, p.17	Marine Mammal Density Surveys	Marine mammal density surveys in the CCAA will be conducted 6 - 12 times per year. In the vicinity of the marine terminal, marine mammal surveys will be completed for 2 - 3 years prior to the start of construction and for 3 years after the start of operations. Surveys of the remainder of the CCAA will be conducted for a minimum of 3 years prior to start of operations and will continue for 3 years after the start of operations.	050-R, 051-R, 191-R	EV-02-17 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	216	Response to Federal Government IR No. 1	B041-04, p.99	Reforestation plan	A detailed reforestation plan for the Project will be completed in consultation with provincial resource agencies and disposition holders.	Commitment	EV-02-20 in response to JRP IR 15.1.	Assessed

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Pre Construction	Environment	218	Response to Province of BC IR No. 2	B047-28, p.77,78	Timber Salvage Plan	Following finalization of the pipeline route and the pre-disturbance assessment (PDA), Northern Gateway will develop a Timber Salvage Plan in conjunction with timber tenure holders. They will be given opportunity to harvest timber themselves, albeit within timelines dictated by Project schedules. The intent is to have local industry utilize as much PDA timber as feasible. Where economically feasible, it is envisioned that less desirable timber may be "hogged" to produce biomass for local bio-refineries, therein reducing the need for burning. The plan will identify such opportunities on a spatially explicit basis.	063-R, 064-R, 065-R, 066-R	EV-02-22 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	219	Attachment 1 to NGP Response to JRP IR 10.9	B074-5, p.62	Traditional Plant Relocation	Michel First Nation: Northern Gateway will consider relocating traditional plants where practical.	Commitment	EV-02-23 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	220	Response to Federal Government IR No. 1	B041-04, p.80	Vegetation monitoring plans	Vegetation follow-up and monitoring programs will be finalized once detailed routing is complete. The programs will be finalized prior to the commencement of construction.	102-R, 103-R, 104-R, 105-R	EV-02-24 in response to JRP IR 15.1. The programs will contain details on the scope, schedule, variables to be measured, timeframe and standards, and criteria.	Assessed
Pre Construction	Environment	221	Attachment 1 to NGP Response to JRP IR 10.9	B074-05, p.2	Water Quality Testing	Driftpile Cree Nation ("DCN"): Pre and post construction water quality testing will be completed in accordance with Northern Gateway's Water Quality and Substrate Composition Monitoring Plan.	Commitment	EV-02-25 in response to JRP IR 15.1.	Assessed
Pre Construction	Environment	222	Wetland Function Assessment Framework	B082-15, p.4	Wetland Compensation Plan	A wetland compensation plan will be developed prior to construction in consultation with federal and provincial regulatory agencies, landowners, Ducks Unlimited, participating First Nations and other stakeholders.	067-R, 068-R, 069-R, 070-R	EV-02-26 in response to JRP IR 15.1. The plan will include goals, Project wetland interactions, compensation ratios, implementation, monitoring and maintenance.	In Progress
Pre Construction	Environment	223	Northern Gateway Project Response to Government of Canada Submission. Section 7.0 Environment Canada - October 2010.	B015-02, p.21	Wetland surveys	Once detailed design is complete and the actual pipeline centreline has been determined, Northern Gateway will complete additional surveys of wetlands that are intersected or close to the centreline. Northern Gateway will consult with Environment Canada throughout this process.	067-R, 068-R, 069-R, 070-R, 102-R, 103-R, 104-R, 105-R	EV-02-27 in response to JRP IR 15.1. G26 in response to JRP IR 1.2.	In Progress

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Pre Construction	Environment	224	NEB Application Volume 6C Environmental and Socio-Economic Assessment (ESA) - Human Environment (Project Description) Section 2	B003-16, p.29	Wildlife Protection & Management Plan (tunnels)	A wildlife protection and management plan to protect sensitive wildlife will be developed in cooperation with British Columbia management agencies as part of the detailed design and environmental planning work of the Clore and Hoult tunnels.	063-R, 064-R, 065-R, 066-R	EV-02-28 in response to JRP IR 15.1. G17 in response to JRP IR 1.2.	In Progress
Pre Construction	Environment	228	NEB Application Volume 6B Section 13.3 NEB Application Volume 8B Section 12.3	B003-15, p.88 B003-34, p.39	Marine Fisheries - Catch Monitoring Program	If the Project is approved, Northern Gateway will implement a catch monitoring program to evaluate Project effects on commercial-recreational and recreational fisheries. The program would include obtaining accurate catch and effort data for the PEAA and select areas in CCAA. The catch monitoring program would begin before construction and continue through at least the first three years of operations. The results of the program would be used to better understand the marine fisheries activities, the effects of tanker operations on marine fisheries, and to facilitate reducing conflicts between tanker movements and marine fisheries.	049-R, 052-R	OM-02-01 in response to JRP IR 15.1.	In Progress
Pre Construction	Environment	344	Conceptual Marine Fish Habitat Compensation Plan - TDR	B080-13	Freshwater Habitat Compensation Plan	Northern Gateway will develop a Freshwater Habitat Compensation Plan based on discussions with federal and provincial regulators and input from participating Aboriginal groups and potentially affected stakeholders.	120-R, 121-R	EV-05-02 in response to JRP IR 15.1.	Superseded
Pre Construction	Environment	732	Transcript, Vol. 113, Line 12512		Marine Habitat Compensation Plan - Habitat Base Surveys	Northern Gateway will conduct marine habitat base surveys prior to and after construction in order to complement the marine fisheries habitat compensation plan.	027-R, 028-R, 029-R, 030-R, 031-R, 032-R, 033-R, 034-R, 035-R, 036-R, 037-R, 038-R, 197-R, 198-R		Assessed
Pre Construction	Environment	909	NGP Response to JRP IR No. 4.11B	B035-02, p.17	EPMP - Bank Protection	Where bank protection works are prescribed for the Northern Gateway pipelines, Northern Gateway will assess the effects of those works (e.g., increased local bed scour) on adjacent operators and extend the works, if necessary, to provide protection to those operators.	063-R, 064-R, 065-R, 066-R		Assessed
Pre Construction	Environment	914	NGP Response to JRP IR No. 4.30(e)	B035-02, p.61-62	Underwater Noise Study - Killer Whale Thresholds	As an extension to its study on potential underwater noise levels, Northern Gateway will develop a killer whale-specific auditory threshold, along with a brief re-assessment of how these updated results might alter the original assessment in both the CCAA and OWA.	050-R, 051-R, 191-R		In Progress
Pre Construction	Environment	916	NGP Response to JRP IR No. 8.16(a-b)	B047-10, p.48	Access Management Plan - Priority Area Subplans	Northern Gateway will identify priority areas and develop detailed priority area specific sub-plans as part of its access management plan. Northern Gateway will collaborate with all interested parties (e.g. through Community Advisory Boards) to implement the priority area specific sub-plans.	063-R, 064-R, 065-R, 066-R, 074-R, 075-R		Assessed
Pre Construction	Environment	925	Transcript, Vol. 103, Line 28214.		Bulkley Valley Grizzly Bears	Northern Gateway will develop a linear feature removal plan for the Bulkley Valley grizzly bear.	071-R, 072-R, 073-R		In Progress
Pre Construction	Environment	927	NGP Response to Federal Government IR No. 1.42	B041-04, p.89	Forest Pathogen Mitigation	Northern Gateway will discuss forest pathogen mitigation with Provincial forestry resource managers in British Columbia and Alberta to seek direction regarding surveys and strategies in pre-construction timber salvage planning.	063-R, 064-R, 065-R, 066-R		In Progress

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Pre Construction	Environment	929	Northern Gateway Project Application, Volume 6A: Environmental and Socio- Economic Assessment (ESA) – Pipelines and Tank Terminal	B003-05, p.43	Old Growth Management	Northern Gateway will verify all mapped old growth stands within the project development area prior to construction.	063-R, 064-R, 065-R, 066-R		Assessed
Pre Construction	Environment	930	Northern Gateway Project Application, Volume 6A: Environmental and Socio- Economic Assessment (ESA) – Pipelines and Tank Terminal	B003-05, p.43	Old Growth Management	If the pipeline cannot be rerouted around old growth forests, Northern Gateway will not include extra temporary workspace and will limit grubbing to the ditch line and any areas requiring grading. If extra temporary workspace is required in old growth forests, the appropriate government authorities will be consulted to determine the most appropriate construction strategy.	063-R, 064-R, 065-R, 066-R		Assessed
Pre Construction	Environment	931	Northern Gateway Project Application, Volume 6A: Environmental and Socio- Economic Assessment (ESA) – Pipelines and Tank Terminal	B003-05, p.43	Old Growth Management	Northern Gateway will ensure that, before old growth forests are removed, field checks are completed to verify presence of old growth forests and for indigenous wildlife species that use old growth habitat.	063-R, 064-R, 065-R, 066-R		Assessed
Pre Construction	Environment	933	NGP Response to JRP IR No. 4.30(f)	B035-02, p.61-62	Marine Mammal Safety Radii	Northern Gateway will develop safety radii for marine mammals during in-water construction activity using marine mammal noise exposure criteria.	050-R, 051-R		In Progress
Pre Construction	Environment	934	Preamble to NGP Response to JRP IR No. 4.30	B035-02, p.53	Underwater Noise Effects Research	Northern Gateway will fund ongoing research on effects of underwater noise on marine mammals and associated thresholds for certain species.	050-R, 051-R		In Progress
Pre Construction	Environment	935	NGP Response to JRP IR No. 17.1(b)	B206-02, p.9	Fisheries Liaison Committee ("FLC") Leadership	The FLC will be overseen by an independent chairperson.	052-R		In Progress
Pre Construction	Insurance	225	NGP Response to JRP IR No. 11.16a	B101-02, p.83	Insurance	Northern Gateway will hold the insurance coverage for both the construction and operational phases of the Project on a standalone basis. Coverage limits have not been determined but will be made in consultation with Northern Gateway's shippers, equity participants, and after rigorous review by lenders providing Project financing.	187-R	I-02-01 in response to JRP IR 15.1.	Assessed
Pre Construction	Lands & ROW	226	Application Update (Volume 5A, Section 5.3.1) NGP Response to Six Nations IR No. 1	B024-02, p.49 B038-22, p.12	Trapper Identification	Northern Gateway will undertake a program for trapper identification and compensation prior to construction. This will be done in cooperation with participating Aboriginal groups.	053-R, 054-R, 055-R, 056-R, 063-R, 064-R, 065-R, 066-R	LR-02-01 in response to JRP IR 15.1.	Assessed

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Pre Construction	Lands & ROW	227	NEB Application Volume 5 Update Section 5	B024-02,p.60	Trapper notification (clearing)	At least one month before the start of clearing, identified trappers whose fur management areas will be intersected by the RoW will be notified of the construction schedule by a land representative. In those areas where a trapline intersects, or is near the RoW, the trapper will be requested to flag traps clearly or remove traps for safety reasons.	063-R, 064-R, 065-R, 066-R	LR-02-02 in response to JRP IR 15.1. H2 in response to JRP IR 1.2.	Assessed
Pre Construction	Lands & ROW	243	NEB Application Volume 6C Environmental and Socio-Economic Assessment (ESA) - Human Environment (Non-Traditional Land Use) Section 5	B003-17, p.51	Clearing and Construction Notification	Before engaging in clearing and construction, Northern Gateway will notify the following about schedules and locations, including providing maps: trappers of affected registered fur management areas (RFMAs) and traplines; guide-outfitters in relevant wildlife management units (WMUs); and the Alberta and British Columbia Fish and Wildlife branches.	063-R, 064-R, 065-R, 066-R	PA-02-03 in response to JRP IR 15.1. L5 in response to JRP IR 1.2.	Assessed
Pre Construction	Procurement	229	NEB Application Volume 1 Section 1.4	B001-02, p.19	Aboriginal contract opportunities	Northern Gateway will set aside scopes of work from major contractor bid packages and provide sole-sourcing opportunities to qualified Aboriginal businesses and joint venture companies who meet Enbridge's safety requirements and offer regionally competitive pricing.	Commitment	P-02-01 in response to JRP IR 15.1. #K1 in response to JRP IR 1.2.	In Progress
Pre Construction	Procurement	230	Volume 5A - Aboriginal Engagement Update - June 2012	B024-02, p.45	Aboriginal economic benefits	Northern Gateway is committed to facilitating meaningful contracting opportunities for Aboriginal business and joint ventures. To that end, Northern Gateway has established a target of $300 million for Aboriginal procurement. These opportunities will consist of: 1) direct awards to Aboriginal groups within the engagement area 2) direct awards from prime contractors to Aboriginal groups within the engagement area 3) joint ventures participation 4) services that can be managed by set asides (involving competition among qualified Aboriginal businesses at regionally competitive rates)	136-R	P-02-02 in response to JRP IR 15.1.	In Progress
Pre Construction	Procurement	233	Response to District of Fort St. James IR No. 1	B041-03, p.3	Aboriginal employment	The contract between Northern Gateway and Prime Contractors will include a commitment to local and Aboriginal procurement and employment targets. Northern Gateway will require contractors to provide regular total employee statistics and total Aboriginal involvement as a monitoring standard of the contractors' Aboriginal Participation Plan (now known as the Socio-Economic Plan).	136-R	P-02-05 in response to JRP IR 15.1.	In Progress
Pre Construction	Procurement	235	Attachment to NGP Response to JRP IR 5.9	B040-04, p.322	Aboriginal Employment	Aseniwuche Winewak Nation ("AWN"): Where practical, Northern Gateway will approach the Aseniwuche Development Corporation with Project-related contracts.	Commitment	P-02-07 in response to JRP IR 15.1.	In Progress
Pre Construction	Procurement	240	NEB Application Volume 4: Public Consultation, Section 3.6.7	B002-01, p.79	Procurement process materials	For communities, businesses and Aboriginal groups along the pipeline route and in coastal areas close to Project-related marine traffic, Northern Gateway will develop materials that explain the procurement process.	Commitment	P-02-12 in response to JRP IR 15.1. K4 in response to JRP IR 1.2.	In Progress
Pre Construction	Public Affairs	241	Volume 4: Public Consultation Update (2010), Section 2	B022-02, p.3	CAB MOU	Northern Gateway senior management is committed to formalizing the relationship between the Community Advisory Boards (CABs) and Northern Gateway through a Memorandum of Understanding (MOU) that would clearly set out the terms of agreement. Northern Gateway is committed to providing a draft MOU to the CAB membership by the end of Q1, 2011 for their review.	Commitment	PA-02-01 in response to JRP IR 15.1. L3 in response to JRP IR 1.2.	Complete

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Updated Commitments Tracking Table

Northern Gateway Pipelines Inc.
Certificates OC-60 and OC-61

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Pre Construction	Public Affairs	242	NEB Application Volume 4: Public Consultation, Section 3.5.3	B002-01, p.52	CAB term	The Community Advisory Boards (CABs) will remain active throughout the life of the Project, or until the CAB members decide to disband. As a living document, the CAB Terms of Reference will be revisited semi-annually or as needed at the discretion of the CAB.	Commitment	PA-02-02 in response to JRP IR 15.1. L4 in response to JRP IR 1.2.	Complete-to-date
Pre Construction	Public Affairs	244	Response to C. Brown IR No. 2	B043-04, p.17	Communication - District of Kitimat	Upon Project approval, Northern Gateway will approach the District of Kitimat to determine the appropriate mechanism by which information about the Project and other projects in the area will be shared, effects will be monitored, and corrective actions (if required) will be taken. This process will commence prior to Project construction and will continue throughout Project operation.	Commitment	PA-02-04 in response to JRP IR 15.1.	Assessed
Pre Construction	Public Affairs	245	Response to District of Fort St. James IR No. 1	B041-03, p.4	Community engagement	Upon Project approval, the current Enbridge corporate community programs will be available to communities adjacent to the pipeline RoW.	Commitment	PA-02-05 in response to JRP IR 15.1.	Assessed
Pre Construction	Public Affairs	248	Response to Fort St James Sustainability IR No. 3	B047-08, p.3	Recreational impacts	Prior to construction, consultation with recreational associations will be conducted and the public will be notified of construction activities.	063-R, 064-R, 065-R, 066-R	PA-02-08 in response to JRP IR 15.1.	Assessed
Pre Construction	Regulatory	250	NEB Application Volume 4: Public Consultation, Section 3.5.3	B002-01, p.53	CAB Update	Northern Gateway will provide an update to the Joint Review Panel (JRP) on the fourth round of Community Advisory Board (CAB) meetings, which will take place in February 2010, when it files the update to Volume 4 in 2011.	Commitment	R-02-01 in response to JRP IR 15.1. M1 in response to JRP IR 1.2. See B022-02, p.15 which discussed CAB rounds 4, 5, 6, and 7. See B083-26, p.22 which discussed CAB rounds 8 to 13.	Complete
Construction	Aboriginal Engagement	251	Attachment to NGP Response to JRP IR 5.9	B040-04, p.392	Aboriginal Engagement - Informing Trappers	Kelly Lake Cree Nation ("KLCN"): Northern Gateway will work with KLCN to ensure that trappers are informed of any temporary restricted access and retain access where possible.	063-R, 064-R, 065-R, 066-R	AA-03-01 in response to JRP IR 15.1.	Assessed
Construction	Aboriginal Engagement	252	Attachment to NGP Response to JRP IR 5.9	B040-04, p.764	Aboriginal Engagement - Old traps	Skin Tyee Nation ("STN"): Northern Gateway will return old traps to STN.	053-R, 054-R, 055-R, 056-R, 089-R, 090-R, 091-R, 092-R	AA-03-02 in response to JRP IR 15.1.	In Progress
Construction	Aboriginal Engagement	253	Attachment to NGP Response to JRP IR 5.9	B040-04, p.262	Aboriginal Engagement - Safety data	Duncan's First Nation ("DFN"): Northern Gateway will provide a copy of its safety record, as practical, to the DFN.	Commitment	AA-03-03 in response to JRP IR 15.1.	Assessed
Construction	Aboriginal Engagement	254	Attachment to NGP Response to JRP IR 5.9	B040-04, p.473	Aboriginal Engagement - Timber	Kelly Lake Métis Settlement Society (KLMSS): Northern Gateway will give timber to KLMSS when it is permissible and practical to do so.	063-R, 064-R, 065-R, 066-R	AA-093-04 in response to JRP IR 15.1.	Assessed
Construction	Aboriginal Engagement	255	Attachment to NGP Response to JRP IR 5.9	B040-04, p.269	Aboriginal Engagement - Youth Involvement	Duncan's First Nation ("DFN"): Where practical, Northern Gateway will allow for visits from DFN youth to see how projects are undertaken and how the land looks before and after construction. It will also consider support for, and participation in, scholarships for DFN youth to attend post-secondary institutions where the program is based in the engagement area.	Commitment	AA-03-05 in response to JRP IR 15.1.	Assessed

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Construction	Aboriginal Engagement	256	Attachment to NGP Response to JRP IR 5.9	B040-04, p.187	Aboriginal Engagement - Watercourse Crossings	Swan River First Nation ("SRFN"): Northern Gateway will directional drill watercourses where HDD crossings are scheduled, permit the SRFN to observe construction of water crossings, and provide more details on water crossings, all where reasonably practical.	Commitment	C-03-01 in response to JRP IR 15.1.	Assessed
Construction	Aboriginal Engagement	257	Attachment to NGP Response to JRP IR 5.9	B040-04, p.258	Aboriginal Monitors	Where practical, Aboriginal monitors will be engaged for observation and advice during construction, with a focus on protection of cultural resources.	Commitment	C-03-02 in response to JRP IR 15.1.	Assessed
Construction	Aboriginal Engagement	258	Attachment to NGP Response to JRP IR 5.9	B040-04, p.278	Aboriginal Monitors	Duncan's First Nation ("DFN"): Where practical, Northern Gateway will engage DFN members to monitor traditional plant resources.	Commitment	C-03-03 in response to JRP IR 15.1.	Assessed
Construction	Aboriginal Engagement	259	NEB Application Volume 7A Appendix A	B003-19, p.142	Clearing - Firewood requests	Northern Gateway will consider requests by Aboriginal groups for firewood from the clearing slash.	Commitment	C-03-04 in response to JRP IR 15.1. B4 in response to JRP IR 1.2.	Assessed
Construction	Aboriginal Engagement	261	Attachment to NGP Response to JRP IR 5.9	B040-04, p.264	Culturally Modified Trees	Duncan's First Nation ("DFN"): Where practical, Northern Gateway will identify and avoid culturally modified trees, and Northern Gateway will work with participating Aboriginal groups, including the DFN, to identify qualified community members to be employed as monitors on the pipeline before, during and after construction is completed, for observation and advice.	053-R, 054-R, 055-R, 056-R, 095-R, 096-R, 097-R, 098-R	C-03-06 in response to JRP IR 15.1.	Assessed
Construction	Aboriginal Engagement	263	Attachment to NGP Response to JRP IR 5.9	B040-04, p.485	Fieldwork opportunities	Treaty 8 Tribal Association ("T8TA"): Northern Gateway will make reasonable efforts to provide opportunities for Saulteau First Nations to participate in fieldwork in future phases of the Project.	Commitment	C-03-08 in response to JRP IR 15.1.	In Progress
Construction	Aboriginal Engagement	265	NEB Application Volume 5 Update Sections 5.6.1, 5.6.5, 5.9.7	B024-02	ROW Access - Aboriginal groups	Northern Gateway will make provisions for Aboriginal groups to access the RoW to facilitate ongoing access for Aboriginal trappers and hunters to their traplines and hunting trails by providing breaks in the rollback at flagged trails and by strategically placing diversion berms.	074-R, 075-R	C-03-10 in response to JRP IR 15.1. B1 in response to JRP IR 1.2.	Assessed
Construction	Aboriginal Engagement	940	Transcript, Vol. 113, Line 12517		Marine EEMP Surveys - First Nation Engagement	Northern Gateway will invite First Nations communities in the CCAA and in the terminal area to participate in conducting surveys that are part of its Marine Environmental Monitoring Program.	037-R, 063-R, 064-R, 065-R, 066-R		In Progress
Construction	Benefits & Sustainability	275	NEB Application Volume 6C Update	B008-02, p.242	Highway traffic monitoring	Northern Gateway will monitor Project effects on highway traffic during the initial mobilization event and that information will be used to refine strategies for subsequent mobilization events to limit effects on local and regional traffic.	078-R	EV-03-02 in response to JRP IR 15.1. G21 in response to JRP IR 1.2.	Assessed
Construction	Benefits & Sustainability	282	Attachment to NGP Response to JRP IR 5.9	B040-04, p.266	Aboriginal Employment	Duncan's First Nation ("DFN"): Where practical, Northern Gateway will employ DFN community members on the Project.	Commitment	P-03-02 in response to JRP IR 15.1.	Assessed
Construction	Benefits & Sustainability	283	Attachment to NGP Response to JRP IR 5.9	B040-04, p.349	Aboriginal Employment	Nose Creek Settlement ("NCS"): Northern Gateway will make reasonable efforts to facilitate participation in economic benefits such as employment and procurement, by NCS.	Commitment	P-03-03 in response to JRP IR 15.1.	In Progress

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Construction	Benefits & Sustainability	284	Attachment to NGP Response to JRP IR 5.9	B040-04, p.312	Aboriginal Monitoring	Aseniwuche Winewak Nation ("AWN"): Where practical, Northern Gateway will engage AWN environmental monitoring services, particularly in relation to protecting traditional uses.	Commitment	P-03-04 in response to JRP IR 15.1.	In Progress
Construction	Benefits & Sustainability	285	NEB Application Volume 6C Update	B008-02, p.60	Construction accommodation	Where construction camps are not used, Northern Gateway will work with local governments to identify appropriate temporary accommodation that will reduce potential adverse effects on local communities.	078-R	PA-03-01 in response to JRP IR 15.1	Assessed
Construction	Benefits & Sustainability	955	NGP Response to JRP IR No. 9.1(a-f)	B058-02, p.2	Prohibition of Invertebrate Harvesting	Northern Gateway will prohibit harvesting invertebrates at the marine terminal site and ancillary facilities.	Commitment		Assessed
Construction	Benefits & Sustainability	1044	Attachment to NGP Response to JRP IR 5.9	B040-04, p.269	Aboriginal Engagement - Youth Involvement	Duncan's First Nation ("DFN"): Northern Gateway will consider support for, and participation in, scholarships for DFN youth to attend post-secondary institutions where the program is based in the engagement area.	Commitment	AA-03-05 in response to JRP IR 15.1.	Assessed
Construction	Construction	260	Attachment to NGP Response to JRP IR 5.9	B040-04, p.306	Construction water sourcing	Aseniwuche Winewak Nation ("AWN"): Where practical, Northern Gateway will use fill stations rather than natural water sources for water trucks.	Commitment	C-03-05 in response to JRP IR 15.1.	Assessed
Construction	Construction	266	Attachment to NGP Response to JRP IR 5.9	B040-04, p.321	Waste management	Aseniwuche Winewak Nation ("AWN"): Northern Gateway will keep important trails reasonably free of debris, in compliance with the Waste and Hazardous Materials Management Plan.	Commitment	C-03-11 in response to JRP IR 15.1.	Assessed
Construction	Construction	270	NEB Application Volume 6C Update Section 4.4.8.3 NGP Response to T. Vulcano IR No. 1	B003-08, p.45 B037-07, p.11	Construction Safety	Northern Gateway is taking a proactive approach to safety and will promote accident prevention measures related to driving, personal hygiene and workplace safety. One way this will be measured is through Northern Gateway's workplace incident records, while another will be regularly scheduled safety inspections and audits to verify compliance with Northern Gateway Safety Standards.	078-R	CS-03-02 in response to JRP IR 15.1. C3 in response to JRP IR 1.2.	Assessed
Construction	Construction	950	Northern Gateway Project Application, Volume 6A: Pipelines and Tank Terminal ESA	B003-09, p.24	Instream Cover Feature Salvage	Northern Gateway will salvage instream cover features such as large woody debris (LWD) and boulders.	Commitment		Assessed
Construction	Construction	956	NGP Response to JRP IR No. 4.30(f)	B035-02, p.62	Marine Mammal Safety Radii	Northern Gateway will use hydrophones to measure sound levels at the radii perimeters at the start of loud construction activities (e.g., dredging, pile-drilling, blasting) to ensure that sound levels are at or below TTS exposure criteria. If sound levels exceed exposure criteria, the safety radii will be adjusted as required.	051-R		Assessed
Construction	Construction	975	Northern Gateway Project Application, Volume 6A: Pipelines and Tank Terminal ESA	B003-09, p.11-116	Gating Roads	Northern Gateway will gate roads that it has tenure over and that lead to rivers or creeks to reduce angling pressure on fish populations.	063-R, 064-R, 065-R, 066-R, 074-R, 075-R		Assessed

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Construction	Construction Safety	269	NEB Application Volume 6C Update Section 4.4.8.3 NGP Response to T. Vulcano IR No. 1	B008-02, p.204-205 B037-07, p.10	Construction Camps - Health care facilities	Northern Gateway will provide health care facilities in Project construction camps so that demands on regional health care services are reduced. One way this will be measured is through the treatment records that will be maintained in the construction camp health care facilities, including records of patient referrals to regional health care facilities.	078-R	CS-03-01 in response to JRP IR 15.1. C2 in response to JRP IR 1.2.	Assessed
Construction	Emergency Management - Marine	726	NGP Response to JRP IR 14.4, Attachment 1	B164-13, p.07,29	Marine Oil Spill Modeling	Northern Gateway will apply state-of-the-art technologies and approaches to modeling, post Project Certificate, for the purposes of marine emergency preparedness and response planning.	167-R		Assessed
Construction	Engineering	271	NEB Application Volume 3 Section 7.5	B001-05, p.58	Acid generating rock	Monitoring for the presence of acid generating rock will be undertaken during excavation of the Clore and Hoult tunnels.	099-R, 100-R, 101-R	E-03-01 in response to JRP IR 15.1. E5 in response to JRP IR 1.2. See Northern Gateway Project Response to Government of Canada Submission, Section 7.0 Environment Canada - October 2010 and JRP Request for Additional Information C.2.4	Assessed
Construction	Engineering	272	NEB Application Volume 7A Appendix A	B003-19, p.248	Greg Duke Memorial Recreation Site	Northern Gateway will work with the British Columbia Ministry of Forests to determine possible ways to avoid RoW intersection with the Greg Duke Memorial Recreation Site.	Commitment	E-03-02 in response to JRP IR 15.1. E10 in response to JRP IR 1.2.	Assessed
Construction	Engineering	960	NGP Response to Eco Justice IR No. 2.9(k)	B047-04, p.15	ARD Rock Use	Northern Gateway will not use rock identified through assessment and testing to have ARD and metal leaching potential for infrastructure development.	099-R, 100-R, 101-R		Assessed
Construction	Environment	262	Transcript, Vol. 87, Line 7660		Environmental Orientations	Northern Gateway will provide environmental orientations for all construction staff and workers.	Commitment	C-03-07 in response to JRP IR 15.1.	Assessed
Construction	Environment	264	NEB Application Volume 7A Section 8 - Response to BC Nature - Nature Canada IR No. 1	B003-19, p.83 B041-02, p.15	Marbled Murrelets	Active and potentially active Marbled Murrelet nest trees will be identified during centreline surveys prior to construction, and during pre-clearing surveys if clearing is necessary during their breeding period. Prior to those surveys, the characteristics of active and potentially active nest trees will be provided to field crews based on the most current information available. If active Marbled Murrelet nests are discovered during clearing activities, a buffer zone of 200m of undisturbed vegetation around the nest site will be established. This buffer will remain in place until a professional biologist confirms that the young have fledged or are otherwise no longer present. Where disturbance is unavoidable, Northern Gateway will consult with the appropriate regulators.	063-R, 064-R, 065-R, 066-R	C-03-09 in response to JRP IR 15.1. B3 in response to JRP IR 1.2.	Assessed

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Construction	Environment	267	NEB Application Volume 6B Environmental and Socio-Economic Assessment (ESA) - Marine Terminal (Marine Invertebrates) Section 9 NGP Response to JRP IR No. 4 Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B003-12, p.229 B035-02, p.62 B085-02, p.12	Blasting Management Plan - Marine	A marine Blasting Management Plan will be developed to confirm that all blasting activities are compliant with the Department of Fisheries and Oceans (DFO) guidelines for the use of explosives in or near Canadian fisheries waters.	063-R, 064-R, 065-R, 066-R	CM-03-01 in response to JRP IR 15.1. D1 in response to JRP IR 1.2. Blasting safety radii will be calculated and validated at the commencement of in-water construction activities. Regular marine mammal detection surveys will be conducted and detonation will not take place while a marine mammal is inside the safety radius.	Assessed
Construction	Environment	268	Volume 7A: Construction Environmental Protection and Management Plan	B003-19, p. 82	Clearing Buffer - Bald Eagles	A year-round no-clearing buffer of at least a two-tree length radius will be established around any Bald Eagle nest found in or near the Kitimat Terminal. During the nesting season (determined in consultation with the CWS), a minimum buffer radius of 200 m will be maintained around active nests. Every effort will be made to maintain an even larger area free of human disturbance during the nesting season.	063-R, 064-R, 065-R, 066-R	CM-03-02 in response to JRP IR 15.1.	Assessed
Construction	Environment	274	NEB Application Volume 6B Environmental and Socio-Economic Assessment (ESA) - Marine Terminal (General Mitigation for the Marine Environment) Section 5	B003-12, p.126	Fish & Fish Habitat Compensation Monitoring	All marine and freshwater fish and fish habitat compensation works will be monitored at regular intervals until they become maintenance free. Monitoring will include parameters such as structural integrity, fish use, and success of riparian plantings.	120-R, 121-R, 122-R	EV-03-01 in response to JRP IR 15.1. G14 in response to JRP IR 1.2.	In Progress
Construction	Environment	276	Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B085-02, p.12	Marine Mammal Monitoring Program	Northern Gateway will implement a marine mammal monitoring program at the marine terminal during in-water construction activities such as dredging and pile rock drilling. Trained marine mammal observers (MMOs) will monitor a predetermined safety radius around the acoustic source. If a marine mammal enters the safety radius, the construction activity applicable to that radius will temporarily stop, until the marine mammal has moved outside the safety radius.	050-R, 051-R	EV-03-03 in response to JRP IR 15.1.	Assessed
Construction	Environment	277	NEB Application Volume 6A Part 2: Environmental and Socio-Economic Assessment (ESA) - Pipeline and Tank terminal (Hydrogeology) Section 12	B003-11, p.7	Post-blasting testing	Northern Gateway will identify and collect data from wells within 500 m of blasting activities. In the unlikely event that even after applying appropriate mitigation measures, effects on groundwater users occurs or is unavoidable as a result of blasting, compensation will be negotiated or a replacement water supply will be provided.	063-R, 064-R, 065-R, 066-R	EV-03-04 in response to JRP IR 15.1. G11 in response to JRP IR 1.2.	Assessed

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Construction	Environment	278	Application Volume 7A, Section 8.6.4 NGP Response to Swan River FN IR No. 1	B003-19, p.67 B045-26, p.18	Weed Control Program	Northern Gateway will implement a weed control program which includes pre-construction assessments, construction mitigation measures, and post construction monitoring and mitigation.	063-R, 064-R, 065-R, 066-R	EV-03-05 in response to JRP IR 15.1.	In Progress
Construction	Environment	279	NEB Application Volume 7A Section 8 NGP Response to T. Vulcano IR No. 1	B003-19, p.62 B037-07, p.14	Worker Education Program (wildlife)	Northern Gateway will develop and implement a worker education program to make Project personnel aware of wildlife issues, required best operating practices, worker responsibilities and reporting requirements. One way this will be measured is through the reporting requirements that will be included in the worker education program.	063-R, 064-R, 065-R, 066-R	EV-03-06 in response to JRP IR 15.1. C4 in response to JRP IR 1.2.	In Progress
Construction	Environment	737	Transcript, Vol. 116, Line 17029		Blasting (Marine) - In-Source Validation	At the start of terminal construction, Northern Gateway will perform further modelling at the outset of blasting to measure in-source the sound levels during blasting and ensure any safety radii used does not just meet DFO's minimum blasting requirements but will reflect the more conservative of the minimum requirements and whatever is determined through actual sound source validations.	050-R, 051-R		In Progress
Construction	Environment	976	Northern Gateway Project Application, Volume 6A: Pipelines and Tank Terminal ESA	B003-09, p.132	Construction Monitoring - Instream Works	Northern Gateway will provide full-time environmental construction monitoring for instream works or works that pose moderate to high risk to fish habitats.	063-R, 064-R, 065-R, 066-R		Assessed
Construction	Lands & ROW	280	Volume 4: Public Consultation Application Update (2010); Appendix Q - Landowner Concerns Table Response to Fort St James Sustainability IR No. 3	B022-28, p. Q-4 B047-08, p.3	Landowner losses	For directly affected landowners, Northern Gateway will be responsible for the losses they suffer that are the direct result of Project activities.	Commitment	LR-03-01 in response to JRP IR 15.1.	In Progress
Construction	Procurement	281	Volume 5A - Aboriginal Engagement Update - June 2011	B024-02, p.46	Aboriginal employment	Based on recent major pipeline projects in Canada, Northern Gateway has established a target of 15% Aboriginal participation (distributed among the participating groups) in the construction phase of the Project, primarily consisting of business and employment opportunities, both direct with Northern Gateway and indirect through service providers.	Commitment	P-03-01 in response to JRP IR 15.1.	In Progress
Construction	Public Affairs	273	NEB Application Volume 7A Appendix A	B003-19, p.248	Monkman Pass Memorial Trail	Northern Gateway will remain in communication with Monkman Pass Memorial Trail project coordinators to implement collaborative opportunities to mitigate potential adverse effects on non-consumptive recreational activities, and recreation and protected areas, where appropriate.	Commitment	E-03-03 in response to JRP IR 15.1. E9 in response to JRP IR 1.2.	Assessed

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Construction	Regulatory	286	NEB Application Volume 6C Environmental and Socio-Economic Assessment (ESA) - Human Environment (Project Description) Section 2	B003-16, p.29	Compliance Database	Northern Gateway will maintain a compliance database to verify that all commitments and regulatory conditions are met.	007-R	R-03-01 in response to JRP IR 15.1. M2 in response to JRP IR 1.2.	In Progress
Post Construction	Aboriginal Engagement	341	Attachment to NGP Response to JRP IR 5.9	B040-04, p.187	Aboriginal Engagement - Reclamation	Swan River First Nation ("SRFN"): Northern Gateway will reclaim with native vegetation and will make reasonable efforts to contract SRFN.	071-R, 072-R, 073-R, 102-R, 103-R, 104-R, 105-R	AA-05-01 in response to JRP IR 15.1.	Assessed
Post Construction	Benefits & Sustainability	351	Attachment to NGP Response to JRP IR 5.9	B040-04, p.190	Right of way Reclamation - Aboriginal employment	Northern Gateway will work to involve contracting with Aboriginal groups to reclaim and maintain the RoW, where practical.	094-R	P-05-01 in response to JRP IR 15.1.	Assessed
Post Construction	Benefits & Sustainability	352	Response to District of Fort St. James IR No. 1 - Volume 5A - Aboriginal Engagement Update - June 2011	B041-03, p.4 B024-02, p.47	Community Investment Fund	A Community Investment Fund will be established by Northern Gateway to support community projects or programs in education, health and safety, culture and community leadership, and the environment. Northern Gateway has committed 1% of pre-tax earnings from the Project for Community Investment. The Community Investment Fund will become operational upon completion of construction and extend over the Project's lifetime.	Commitment	PA-05-01 in response to JRP IR 15.1.	Assessed
Post Construction	Environment	214	NEB Application Volume 6B Environmental and Socio-Economic Assessment (ESA) - Marine Terminal (Marine Mammals) Section 11	B003-14, p.54	Marine Mammal Monitoring	Northern Gateway will undertake a follow-up program to assess the response of various marine mammals to construction activities and operational activities.	051-R, 191-R	EV-02-18 in response to JRP IR 15.1. G15 in response to JRP IR 1.2.	Assessed
Post Construction	Environment	215	Northern Gateway Project Response to Government of Canada Submission. Section 7.0 Environment Canada - October 2010.	B015-02, p.69	Post-disturbance surveys (marine habitat)	Northern Gateway will conduct post-disturbance surveys to quantify the actual loss or disturbance of marine habitat.	038-R	EV-02-19 in response to JRP IR 15.1. G27 in response to JRP IR 1.2. This commitment is superseded by commitments made in the Marine EEMP framework.	Superseded
Post Construction	Environment	343	Attachment to NGP Response to JRP IR 5.9	B040-04, p.274	ATV Travel on RoW	Duncan's First Nation ("DFN"): Where practical, and subject to other access management considerations, Northern Gateway will make available the space for ATV travel within or alongside the RoW.	063-R, 064-R, 065-R, 066-R	EV-05-01 in response to JRP IR 15.1.	Assessed

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Northern Gateway Pipelines Inc.
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Post Construction	Environment	345	NEB Application Volume 6B Environmental and Socio-Economic Assessment (ESA) - Marine Terminal (General Mitigation for the Marine Environment) Section 5 Response to JRP IR No. 8 - Conceptual Marine Fish Habitat Compensation Plan - TDR	B003-12, p.125 B047-10, p.61 B080-14, p.29	Marine Habitat Compensation Plan	Northern Gateway will develop a Marine Habitat Compensation Plan based on discussions with the Department of Fisheries and Oceans (DFO), recent marine compensation examples in British Columbia, and input from participating Aboriginal groups and potentially affected stakeholders. Starting one year after completion of the marine habitat compensation measures, Northern Gateway will commence a five-year monitoring program to demonstrate the success of the compensatory habitat works as required by the DFO Authorization. If success criteria are not achieved by year five, a work plan will be developed and additional works will be undertaken. Monitoring will continue until success criteria have been met.	122-R	EV-05-03 in response to JRP IR 15.1. G13 in response to JRP IR 1.2.	In Progress
Post Construction	Environment	346	Conceptual Freshwater Fish Habitat Compensation Plan Version 2.0 - TDR	B082-13, p.50-51	Post-construction monitoring plans	Post-construction monitoring will extend for 5 years after fish habitat compensation is completed and will evaluate the compliance to design drawings and datasheets and compare the post-construction habitat value of the Project area to the baseline conditions.	120-R, 121-R	EV-05-04 in response to JRP IR 15.1.	In Progress
Post Construction	Environment	347	NGP Response to JRP IR 12	B109-02, p.2	Rare plants -Monitoring	Sites containing groups or communities of rare plants will be selected and marked. Data collected will include species composition and number of species, health and vigor, site stability and soil moisture and nutrient conditions. The monitoring program will take place over a three-to-five-year period until the rare plants have recovered.	102-R, 103-R, 104-R, 105-R	EV-05-05 in response to JRP IR 15.1.	In Progress
Post Construction	Environment	348	Attachment to NGP Response to JRP IR 5.9	B040-04, p.286	Reclamation	Duncan's First Nation ("DFN"): Where practical, Northern Gateway will reclaim land using native plant species, and reasonably consult with the DFN as requested.	063-R, 064-R, 065-R, 066-R	EV-05-06 in response to JRP IR 15.1.	Assessed
Post Construction	Environment	349	Attachment to NGP Response to JRP IR 5.9	B040-04, p.190	Right of way Reclamation - Aboriginal input	Northern Gateway will consider suggestions from Aboriginal groups about preferred methods of RoW reclamation.	063-R, 064-R, 065-R, 066-R	EV-05-07 in response to JRP IR 15.1.	Assessed
Post Construction	Environment	350	Response to JRP IR 3.16 Response to Saulteau FN IR 1.1.2 Response to Swan River FN IR 1.3 Tr. Vol. 73, Line 19969 Attachment to NGP Response to JRP IR 5.9	B032-02, p.58 B083-20, p. 5 B045-26, p. 5 B040-04, p.57	Tree for a Tree & Acre for an Acre Policies	Northern Gateway will apply Enbridge's corporate Tree for a Tree and Acre for an Acre policies to the Project.	Commitment	EV-05-08 in response to JRP IR 15.1.	Assessed

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Post Construction	Environment	994	Transcript, Vol. 102, Lines 26490 and 26502.		Mitigation - Grizzly Bears and Wolverines	Northern Gateway will implement a program consistent with CEA Act to mitigate impacts on grizzly bears and wolverines. The program has four parts: a restoration plan (to restore habitat along the right-of-way), a compensation plan (to restore habitat off site), monitoring of the effectiveness of the restoration and compensation plans, and monitoring of the animal. Northern Gateway will create a third-party research scientific advisory to help set up this program.	188-R, 189-R, 190-R		Assessed
Post Construction	Lands & ROW	342	Volume 4: Public Consultation Application Update (2010); Appendix Q - Landowner Concerns Table	B022-28, p.3	Trapper and Harvester Compensation	Trappers would receive fair compensation for losses due to construction of the Project, in accordance with established industry practices.	Commitment	AA-05-02 in response to JRP IR 15.1.	In Progress
Pre Operation	Aboriginal Engagement	287	Attachment to NGP Response to JRP IR 5.9	B040-04, p.14	Aboriginal Engagement - Emergency Preparedness	Saddle Lake Cree Nation (“SLCN”): Northern Gateway will share more detailed information with the SLCN about emergency preparedness before start of operations.	168-R	AA-04-01 in response to JRP IR 15.1.	Assessed
Pre Operation	Aboriginal Engagement	288	Attachment to NGP Response to JRP IR 5.9	B040-04, p.171	Aboriginal Engagement - Emergency Preparedness	Sawridge First Nation: Northern Gateway will share information with the Sawridge (Sawridge First Nation) about emergency preparedness and first response before operations start.	168-R	AA-04-02 in response to JRP IR 15.1.	Assessed
Pre Operation	Aboriginal Engagement	289	Attachment to NGP Response to JRP IR 5.9	B040-04, p.270	Aboriginal Engagement - POSRP	Duncan's First Nation ("DFN"): Northern Gateway will finalize the pipeline oil spill response plan and share it with the DFN.	168-R, 174-R, 175-R	AA-04-03 in response to JRP IR 15.1.	Assessed
Pre Operation	Aboriginal Engagement	290	Attachment to NGP Response to JRP IR 5.9	B040-04, p.136	Aboriginal Engagement - Spill Communications	Paul (Paul First Nation) ("PFN"): Work with PFN to identify communication requirements in case of an accidental release. PFN Elders could be consulted and given the opportunity to perform ceremonies in the event of a significant release within the PFN traditional territory.	168-R	AA-04-04 in response to JRP IR 15.1.	Assessed
Pre Operation	Aboriginal Engagement	576	Transcript, Vol. 162, Line 7904		Kitimat Terminal Documents - Haisla Nation Review	Haisla Nation: Northern Gateway will provide an opportunity to the Haisla Nation to review and comment on the Terminal Operations Manual and Port Information Book prior to the audit of those documents.	116-R		Assessed
Pre Operation	Construction	324	NGP Response to Haisla Nation IR No. 1 Response to JRP IR 8.1b: Semi-Quantitative Risk Assessment	B039-03, p.109 B069-06, p.73	Integrity management - Inline Inspection (ILI)	Northern Gateway will run a geometry ILI tool prior to placing the pipelines in-service.	Commitment	PI-04-02 in response to JRP IR 15.1.	Assessed
Pre Operation	Emergency Management	291	NEB Application Volume 5 Update Section 4.2.3	B024-02	Aboriginal communication - Emergency preparedness & response	Northern Gateway will communicate timely information on emergency preparedness and response to Aboriginal groups, including providing: information on emergency response planning at a general level; an opportunity to ensure that key traditional use sites are known and that appropriate planning is undertaken; an opportunity for participation, as appropriate, in emergency response training exercises; and notification in the event of a release.	168-R, 171-R, 172-R	AA-01-72 in response to JRP IR 15.1. J1 in response to JRP IR 1.2.	In Progress

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Pre Operation	Emergency Management	292	Response to Fort St. James Sustainability IR No. 1 NGP Response to JRP IR No. 3.11.c Response to Douglas Channel Watch IR No. 1 Response to Federal Government IR No. 2	B041-18, p.18 B032-02, p.39 B047-03, p.6 B046-02, p.206	Emergency preparedness	Northern Gateway will develop a detailed emergency preparedness and response program for the pipelines, in consultation with the local response agencies during detailed engineering and construction.	117-R, 118-R, 119-R, 168-R, 174-R, 175-R	ER-04-02 in response to JRP IR 15.1. This will include notification and communication procedures in case of an emergency at a Northern Gateway facility. All operations personnel (field and office) will be trained for responsibilities to respond to emergencies and trained emergency response personnel will be available from other Enbridge business units to fill roles in both the incident command structure as well as for tactical (field) response. Northern Gateway response resources will be strategically located along the pipelines, contractor emergency response resources will be identified, and cooperative relationships with local and regional response organizations will be established. Northern Gateway will also work with local First Nations to assess existing capacities and to ensure there is sufficient capacity to respond to emergencies.	In Progress
Pre Operation	Emergency Management	293	Transcript, Vol. 97, Line 20185		Emergency Response - Third Party Review	Northern Gateway intends to retain an independent third party, with expertise in oil spill response planning and oil spill response, to provide an independent, unbiased technical assessment of the planning of its response program.	173-R, 174-R, 175-R, 176-R	ER-04-03 in response to JRP IR 15.1.	Assessed
Pre Operation	Emergency Management	294	Reply Evidence Preliminary Kitimat River Drainage Area Emergency Preparedness Report	B083-10, p.14	Enhanced Emergency Preparedness	In alignment with Northern Gateway's risk-based approach, enhanced emergency preparedness initiatives will be applied in areas considered higher risk from a probability and consequence standpoint.	086-R, 087-R, 088-R	ER-04-04 in response to JRP IR 15.1.	Assessed

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Pre Operation	Emergency Management	295	NGP Written Reply Evidence Environment Canada Evidence - NGP Response to Haisla Nation IR 4.58	B083-02, p.15,17 B132-02, p.99	Oil testing	Northern Gateway will engage industry partners post-approval to examine a potential system to meet Environment Canada recommendation #2-1. Northern Gateway is willing to help facilitate the acquisition of samples of hydrocarbon products to be shipped, from the product owners (i.e., the producers), upon request for regulators and their contracted researchers for the purposes of research into environmental fate and behaviour of the product classes. Northern Gateway tested a range of oil types that may be transported, and is committed to working with industry and government to further characterize a wider selection of oils that may be transported.	167-R, 169-R	ER-04-05 in response to JRP IR 15.1.	Assessed
Pre Operation	Emergency Management	296	Response to Federal Government IR No. 1 Response to Haisla Nation IR No. 2 Response to Province of BC IR No. 2	B041-04, p.206 B021-02, p.23,51,102 B022-29,p. R-116 B041-04, p.206,208,223 B045-08, p.136 B047-28, p.47 B063-03, p.23	OSRPs - NEB	The General Oil Spill Response Plan, Marine Oil Spill Response Plan, Terminal Oil Spill Response Plan, and Pipeline Oil Spill Response plans will be filed with the NEB at least six months prior to commencement of operations.	117-R, 118-R, 119-R, 173-R, 174-R, 175-R, 176-R	ER-04-06 in response to JRP IR 15.1. Superseded by various Conditions listed in the column to the left.	Superseded
Pre Operation	Emergency Management	297	Transcript, Vol. 100, Lines 24506-24525		Scientific Advisory Committee	If a Scientific Advisory Committee is established strictly within the parameters of the Northern Gateway Project, and a broader initiative is not forthcoming, Northern Gateway will assume responsibility for funding the elements directly applicable to Northern Gateway.	167-R, 169-R	ER-04-07 in response to JRP IR 15.1.	In Progress
Pre Operation	Emergency Management	298	Reply Evidence Preliminary Kitimat River Drainage Area Emergency Preparedness Report	B083-10, p.17	Submerged and Sunken Oil Tactics	Through a lessons-learned approach, which considers historical release incidents, Northern Gateway has and will continue to incorporate submerged and sunken oil tactics into the Project's Emergency Preparedness and Response Program.	117-R, 118-R, 119-R	ER-04-08 in response to JRP IR 15.1.	Assessed
Pre Operation	Emergency Management	299	Volume 7B Section 7	B003-20,p.74	TWP	Northern Gateway will develop tactic response sheets for each of the major watercourse crossings along the RoW. Aboriginal groups and directly affected stakeholders will be invited to participate in this process.	117-R, 118-R, 119-R, 168-R	ER-04-09 in response to JRP IR 15.1. J3 in response to JRP IR 1.2.	Assessed
Pre Operation	Emergency Management	304	NGP Written Reply Evidence JRP IR 10.6	B083-02, p.14 B74-2, p.12	GOSRP exercises	The response plans will be exercised prior to the first shipment of oil at the terminal.	119-R, 171-R, 172-R, 173-R	ERM-04-05 in response to JRP IR 15.1. Superseded by Condition 171.	Superseded
Pre Operation	Emergency Management	985	Transcript, Vol. 145, Lines 17832-17833.		Emergency Response Planning - Aboriginal Engagement	Northern Gateway will engage Aboriginal groups in the development of pipeline spill response plans, geographic response plans, control point mapping, and environmental sensitivity atlases.	168-R		Assessed
Pre Operation	Emergency Management	986	Transcript, Vol. 138, Line 7874.		OSRP - Community Consultation	Northern Gateway will consult local communities in developing its oil spill response plans.	168-R		Assessed
Pre Operation	Emergency Management - Marine	300	Response to Federal Government IR No. 1	B041-04, p.173	Coastal sensitivity atlas	Coastal sensitivity atlases will be revised after receiving information from ground truthing and input from participating government agencies, Aboriginal groups and stakeholders and submitted for review by Environment Canada at least 6 months prior to commencement of operations of the marine terminal.	119-R	ERM-04-01 in response to JRP IR 15.1.	In Progress

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Pre Operation	Emergency Management - Marine	301	NGP Response to JRP IR No. 10.6 & 10.8	B074-02, p.9,27	Scientific Advisory Committee diluted bitumen research	In the event the Project is approved, Northern Gateway agrees to participate in a collaborative research effort into the environmental behaviour and fate models for diluted bitumen. Northern Gateway commits to considering relevant scientific findings from any industry wide studies. Northern Gateway would be a willing participant in industry wide studies.	167-R, 169-R	ERM-04-02 in response to JRP IR 15.1. Refer to Commitment #727.	In Progress
Pre Operation	Emergency Management - Marine	302	Volume 7C Section 5	B003-22, p.32	Geographic Response Plan	Before the start of tankers calling at the Kitimat Terminal, Northern Gateway will complete planning processes with participating coastal Aboriginal groups and local stakeholders to identify sensitive areas and develop the Geographic Response Plan (GRP).	18-R, 119-R, 173-R	ERM-04-03 in response to JRP IR 15.1. J4 in response to JRP IR 1.2.	Assessed
Pre Operation	Emergency Management - Marine	303	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.15: General Risk Analysis and Intended Methods of Reducing Risk, Section 3.4	B023-15	Geographic Response Plan	Northern Gateway will, in consultation with participating Aboriginal groups and directly affective public stakeholders, define areas of particular ecological sensitivity and assess whether installation of permanently located quick deployment first response systems is viable for the most critical of these locations.	86-R, 87-R, 88-R, 119-R, 173-R	ERM-04-04 in response to JRP IR 15.1. J24 in response to JRP IR 1.2.	Assessed
Pre Operation	Emergency Management - Marine	305	Response to Federal Government IR No. 1	B041-04, p.207	Meteorological Stations Modelling	Prior to Project operations, data sources for determining real-time meteorological and oceanographic conditions will be made readily accessible to those involved in spill response.	167-R, 179-R	ERM-04-06 in response to JRP IR 15.1.	Assessed
Pre Operation	Emergency Management - Marine	306	NGP Response to Coastal FN IR No. 1 Response to Gitxaala Nation IR No. 2 Response to Federal Government IR No. 1 Response to Province of BC IR No. 2	B038-02, p.139 B045-07, p.8 B041-04, p.190 B047-28, p.51	MOSRP - Transport Canada	The General Oil Spill Response Plan and Marine Oil Spill Response Plan will be filed with Transport Canada at least 6 months prior to commencement of operations of the marine terminal.	173-R	ERM-04-07 in response to JRP IR 15.1. Superseded by Condition 173.	Superseded
Pre Operation	Emergency Management - Marine	307	NEB Application Volume 8C Section 5	B003-37, p.33	MOSRP Marine Response Capacity	Emergency response will include pre-staging of equipment and logistics support to enable a rapid response that is better than current regulatory requirements (i.e., an intended response time of 6 to 12 hours within the Confined Channel Assessment Area).	173-R	ERM-04-08 in response to JRP IR 15.1. J13 in response to JRP IR 1.2.	Assessed
Pre Operation	Emergency Management - Marine	308	General Oil Spill Response Plan, Section 8.1.1	B021-02, p.76	MOSRP Marine Response Capacity	Northern Gateway will maintain or contract a response organization capable, under the planning standards, of containing and recovering within 10 days or earlier, up to 32,000 tonnes of on-water oil.	018-R, 173-R	ERM-04-09 in response to JRP IR 15.1. J14 in response to JRP IR 1.2.	Assessed

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Pre Operation	Emergency Management - Marine	309	NEB Application Volume 8A Section 4.8.2.2	B003-24, p.89	OPEP & OPPP	A comprehensive emergency procedures manual for the Kitimat Terminal, including the Terminal Oil Spill Response Plan and the Oil Pollution Emergency Plan and Oil Pollution Prevention Plan documents, will be completed and submitted to Transport Canada and the National Energy Board in the year before oil handling begins and at least six months before the Kitimat Terminal begins handling bulk oil.	176-R	ERM-04-10 in response to JRP IR 15.1. J7 in response to JRP IR 1.2. Superseded by Condition 176.	Superseded
Pre Operation	Emergency Management - Marine	535	Transcript, Vol. 138, Line 7838; Transcript, Vol. 140, Line 11247		Operational Analysis	Northern Gateway will conduct an operational analysis for the appropriate conditions for the various components of the project.	117-R, 118-R, 119-R		In Progress
Pre Operation	Emergency Management - Marine	536	Transcript, Vol. 138, Line 8036		Response Planning Standard	Northern Gateway's response planning standard will include the following: 1) a 36,000m3 and 10 operational days for on-water recovery, 2) having in place a dispersant policy, 3) having in place in-situ burning policies, and 4) geographic response plans.	119-R, 173-R		Assessed
Pre Operation	Emergency Management - Marine	541	Transcript, Vol. 143, Lines 14837-14839; Transcript, Vol. 150 Lines 23217-23219		Community Response Plans	Northern Gateway commits to the development of Community Response Plans and that these Plans also address issues related to traditional harvesting and related mitigation and compensation.	018-R, 119-R, 173-R		Assessed
Pre Operation	Emergency Management - Marine	544	Transcript, Vol. 142, Line 13423, 13454		Kitimat Terminal Response Standard	Northern Gateway commits to a project standard with respect to a loading arm failure of 250m3 for a dedicated response package.	119-R, 176-R		Assessed
Pre Operation	Emergency Management - Marine	988	Northern Gateway Project Application, Volume 8B: Environmental and Socio- Economic Assessment (ESA) – Marine Transportation	B003-26, p.19	Vessel Crews - Emergency Response Training	Crews of the escort tugs and other support vessels (e.g., harbour tugs) will have extensive training in response to spills and other emergencies.	117-R, 118-R, 119-R		Assessed

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Pre Operation	Environment	311	NEB Application Volume 6A Part 1: Environmental and Socio-Economic Assessment (ESA) - Pipeline and Tank Terminal Section 8 NGP Response to T. Vulcano IR No. 1	B003-05, p.83 B037-07, p.23	Air Quality & Soil Monitoring Program (Kitimat Terminal)	Northern Gateway will undertake an air quality and soil monitoring program for the six-month period before commissioning the Kitimat Terminal and at least one year following the start of operations of the Kitimat Terminal.	082-R	EV-04-01 in response to JRP IR 15.1. G9 in response to JRP IR 1.2. The soil monitoring program would be initiated at least six months before commencement of terminal operations and would continue for a minimum of two sampling seasons in the same timeframe as the air quality monitoring program. Results of the air quality monitoring will be used to determine if continued sampling of soils is required (i.e., if predicted potential acid input levels do not result in exceedances for acid sensitive soils, the sampling of soil chemistry will cease).	Assessed
Pre Operation	Environment	312	Transcript, Vol. 102, Line 26507-26509		Funding - Species Research	Northern Gateway will continue to look at opportunities to fund research and other enhancement opportunities related to the protection of critical habitat and the preservation of certain species that may be impacted by the Project.	027-R, 028-R, 029-R, 030-R, 031-R, 032-R, 033-R, 034-R, 035-R, 036-R, 037-R, 038-R, 197-R, 198-R	EV-04-02 in response to JRP IR 15.1.	Assessed
Pre Operation	Environment	313	NGP Response to J. Wier IR No. 2	B037-12, p.26	Groundwater recharge area	Where an environmentally sensitive recharge area is located within the pipeline corridor or an aquifer within the corridor is linked to such a recharge area Northern Gateway will collect baseline information on the aquifer.	Commitment	EV-04-03 in response to JRP IR 15.1. This information would be used by Northern Gateway, in the event of a spill, to develop and calibrate a predictive model for flow patterns, groundwater movement and direction of flow or contaminants; water and contaminant travel time; horizontal and vertical hydraulic conductivity and boundary condition conductance in environmentally sensitive recharge zones.	Assessed

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Pre Operation	Environment	314	NEB Application Volume 6A Part 2: Environmental and Socio-Economic Assessment (ESA) - Pipeline and Tank terminal (Wildlife) Section 9 NGP Written Reply Evidence Response to Federal Government IR 2.63	B003 B022-29, p.127 B038-15, p.7 B046-02, p.154 B046-36 B047-28, p.77 B083-02, p.25	Linear Feature Management and Removal Plan	Northern Gateway will design and implement a Linear Feature Management and Removal Plan in consultation with Government Agencies, participating Aboriginal groups, and interested stakeholders. A key tenant of this plan will be to achieve no net gain of access in sensitive areas for mountain caribou and grizzly bear. In addition, within the range of the Little Smoky herd, Northern Gateway will commit to a net decrease in linear feature density by removing existing access based on a 4:1 ratio of new access created by the Project in this range.	071-R, 072-R, 073-R	EV-04-04 in response to JRP IR 15.1. G10 in response to JRP IR 1.2.	Assessed
Pre Operation	Environment	315	TERMPOL Surveys and Studies - Section 3.15 - General Risk Analysis and Intended Methods of Reducing Risk	B023-15, p.154	Marine Bird Protection Plan	Northern Gateway, in cooperation with the Canadian Wildlife Service (CWS) and certified responders, will develop a Marine Bird Protection Plan before operations, which will specify and guide all mitigation related measures.	036-R, 037-R	EV-04-05 in response to JRP IR 15.1.	In Progress
Pre Operation	Environment	316	NEB Application Volume 5 Update Section 5.9.2 NGP Response to Coastal First Nation IR No.1 NGP Response to Haisla Nation IR No. 1 NGP Response to Federal Government IR 2.66 NGP Written Reply Evidence	B024 B038-02 B039-03, p.203 B41-02, p.27 B046-02 B083-02, p.11 and 12	Marine EEMP	Northern Gateway will implement a Marine Environmental Effects Monitoring Program (MEEMP) for the marine terminal and marine transportation in advance of the Kitimat Terminal operations. The details of the MEEMP will be finalized as part of the detailed design phase and would involve consultation with participating Government agencies, and participating Aboriginal groups (including the Kitselas First Nation) and certain public stakeholders.	036-R, 037-R	EV-04-06 in response to JRP IR 15.1. G4 in response to JRP IR 1.2.	In Progress
Pre Operation	Environment	317	Response to Haisla Nation IR No. 2	B045-08, p.162	Marine EEMP - Funding	Northern Gateway is committed to funding the Marine EEMP and would extend invitation for the participation and financial support from other external sources including other users of marine resources or terminal operators in Kitimat Arm.	036-R, 037-R	EV-04-07 in response to JRP IR 15.1.	In Progress
Pre Operation	Environment	318	NGP Written Reply Evidence	B083-02, p.12	Marine Habitat Compensation Plan - Species	Northern Gateway will work with DFO and other parties to identify opportunities to enhance or restore habitat for abalone, eulachon, quillback rockfish and yellowmouth rockfish as part of the marine habitat compensation plan.	122-R	EV-04-08 in response to JRP IR 15.1.	Assessed

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Updated Commitments Tracking Table

Northern Gateway Pipelines Inc.
Certificates OC-60 and OC-61

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Pre Operation	Environment	319	TERMPOL Surveys and Studies - Section 3.15 - General Risk Analysis and Intended Methods of Reducing Risk Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B023-15, p.171 B085-02, p.25	Marine Mammal Protection Plan	Northern Gateway, in cooperation with DFO, and other interested stakeholders, will develop a Marine Mammal Protection Plan (MMPP). Northern Gateway intends to have a finalized MMPP submitted to DFO six months prior to the start of operations of the Kitimat Terminal.	191-R	EV-04-09 in response to JRP IR 15.1.	In Progress
Pre Operation	Environment	320	Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B085-02, p.7,20	Marine Research Chair	Northern Gateway has committed to funding a Marine Research Chair at a university in British Columbia. Further details concerning the nature of the Marine Research Chair position and an invitation for parties to submit an expression of interest will be developed and released following issuance of the CPCN.	050-R	EV-04-10 in response to JRP IR 15.1.	In Progress
Pre Operation	Environment	321	Response to North Coast Cetacean IR No. 1	B041-26, p.8	Passive acoustic monitoring study	Results of the Passive Acoustic Monitoring baseline study will be made publicly available 1.5 years after the start of the study to allow time for analysis and reporting on the first year of data (i.e., the first report will be available at least six months prior to the commencement of operations). Report updates will be released every year thereafter for the length of the study. Results of the real-time detection trial will be made available within the first year of the baseline study (i.e., a minimum of one year prior to the start of operations).	191-R	EV-04-11 in response to JRP IR 15.1.	Assessed
Pre Operation	Environment	322	Volume 7C Section 7	B003-22, p.90	Terrestrial Mammal Protection Plan	Northern Gateway will engage the Province of British Columbia, Canadian Wildlife Service and certified responders in the development of a terrestrial mammal protection plan up to the start of operations. Participating Aboriginal groups and affected stakeholders will be consulted in the development of the plans.	Commitment	EV-04-12 in response to JRP IR 15.1. G24 in response to JRP IR 1.2.	Assessed

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Pre Operation	Environment	326	TERMPOL Surveys and Studies - Binder 1 of 3 TERMPOL Study 3.15: General Risk Analysis and Intended Methods of Reducing Risk, Section 10.9 Response to JRP IR No. 8 NGP Response to Coastal FN IR No. 1	B023-15 B047-10, p.26 B038-02, p.196	Fisheries Liaison Committee ("FLC")	Northern Gateway will establish a Fisheries Liaison Committee that will include Aboriginal, commercial and local fisheries representatives who will provide advice on means to reduce the routine effects of the terminal operations and vessel movements on marine fisheries and other marine users. The Committee will also provide a forum for discussion of measures to be taken to mitigate effects of hydrocarbon releases on other marine users.	052-R	OM-04-01 in response to JRP IR 15.1. J25 in response to JRP IR 1.2. Transcript, Vol. 150, Lines 23239 to 23243 refers to Northern Gateway's response to JRP IR 17 (B206-02) in which details of the FLC are described (including operational guidelines, funding procedures, independent 3rd party mediator, admin staff, and target of at least 4 meetings/year). Northern Gateway proposes that the first meeting of the FLC would be scheduled six months prior to the commencement of in-water construction of the marine terminal. Further details set out in Northern Gateway's response to JRP IR 8.11 (B047-10, p.24).	In Progress
Pre Operation	Environment	327	Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B085-02, p.13,18	Funding - Marine Frameworks	Northern Gateway will fund the marine mammal mitigation and monitoring programs during activities associated with construction of the Kitimat Terminal, including but not limited to providing training and employment of any local Aboriginals that are engaged as MMOs. Northern Gateway will also provide funding for the marine mammal density surveys, the whale spotting vessel (and its operations), the quantitative vessel strike analysis, the remote detection techniques and the other initiatives committed to in the Framework for the Marine Mammal Protection Plan.	050-R, 051-R	OM-04-02 in response to JRP IR 15.1.	In Progress
Pre Operation	Environment	334	NEB Application Volume 8B Section 13.7.5.3 Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B003-35, p.34 B085-02, p.14,17	Quantitative Vessel Strike Analysis	To reduce the risk of vessel-marine mammal strikes, Northern Gateway will undertake a science-based quantitative study of vessel-marine mammal strike risk in the Open Water Area (OWA) to better define spatial and temporal measures to minimize strike risks.	018-R, 050-R, 051-R, 191-R	OM-04-09 in response to JRP IR 15.1. J11 in response to JRP IR 1.2. Further details can be found in the Framework for the Marine Mammal Protection Plan (B085-02).	Assessed
Pre Operation	Environment	551	Transcript, Vol. 144, Line 16734		Environment Sensitivity Atlases - Surveys	With respect to updating and enhancing the existing environmental sensitivity atlases, Northern Gateway commits to conducting 3 years of pre-operational surveys and monthly surveys of the CCAA and portions of the OWA shoreline stratified by habitat type.	036-R, 037-R, 117-R, 118-R, 119-R		In Progress

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Pre Operation	Environment	556	Transcript, Vol. 149, Line 22627		Marine EEMP - Haida Gwaii	As part of the Marine EEMP, Northern Gateway commits to establish transects and survey areas on Haida Gwaii.	036-R, 037-R		In Progress
Pre Operation	Environment	730	Marine EEMP	B46-38, p.6	Marine Bird Surveys	Northern Gateway will perform three years of marine bird surveys prior to the start of any operation of tankers and an additional three years post-start of operation of the tankers.	036-R, 037-R		In Progress
Pre Operation	Environment	731	Transcript, Vol. 112, Lines 10955-10996		Fisheries Liaison Committee ("FLC") - Funding	Northern Gateway will fund the administration costs of the Fisheries Liaison Committee, including the cost of developing and implementing communication protocols.	052-R	Assuming the FLC has value, funding would continue for the operational life of the project.	In Progress
Pre Operation	Environment	736	Transcript, Vol. 116, Line 16086		Marine EEMP - Fishery impacts	Northern Gateway will work with the marine fishing community to perform a two-year monitoring program of the catches prior to operations, and a three-year post-operational monitoring program.	036-R, 037-R		In Progress
Pre Operation	Environment	992	NGP Response to JRP IR No. 4	B035-02, p.53	Passive Acoustic Monitoring Studies	Northern Gateway will commit to at least a four-year passive acoustic monitoring (PAM) study (two years prior to operations and two years after start of operations) with an option for additional years if required.	050-R, 191-R		In Progress
Pre Operation	Integrity	323	NGP Response to Request for Additional Information from the JRP Session Results and Decision (Jan 19, 2011)	B020-02, p.41	Integrity management	The monitoring and integrity programs will be consistent with CSA Z662 Annex N and Enbridge's Engineering Standards and Specifications. Northern Gateway will file these manuals and programs with the NEB prior to commencement of operations.	Commitment	PI-04-01 in response to JRP IR 15.1.	In Progress
Pre Operation	Operations	325	TERMPOL Surveys and Studies - Section 3.11 - Cargo Transfer and Transhipment Systems	B023-12, p.20	Terminal operations - Firefighting plan	The terminal will have a firefighting plan in place, including firefighting training of terminal personnel.	Commitment	O-04-01 in response to JRP IR 15.1.	Assessed
Pre Operation	Operations - Marine	310	Escort and Docking Tug System Report (11-11-18)	B044-03, p.10,50	Tug requirements - fire fighting	A "Fire Fighting Vessel Class 1" notation will be sought as part of the overall classification of the escort and harbour tugs.	018-R, 173-R	ERM-04-11 in response to JRP IR 15.1.	Assessed
Pre Operation	Operations - Marine	328	NEB Application Volume 6B Environmental and Socio-Economic Assessment (ESA) - Marine Terminal (Marine Fisheries) Section 13	B003-15, p.89	Kitimat Terminal Information Booklet	Northern Gateway will prepare an information booklet on the navigation and safety requirements that will be applicable when the Kitimat Terminal is operational. The booklet will be developed in consultation with government agencies. Participating Aboriginal organizations and the Fisheries Liaison Committee (FLC) will also be consulted.	018-R	OM-04-03 in response to JRP IR 15.1. J2 in response to JRP IR 1.2.	Assessed

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Pre Operation	Operations - Marine	329	NEB Application Volume 8B Section 10.3 Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B003-29, p.11 B085-02, p.16	Kitimat Terminal Informational DVD	Northern Gateway will develop an informational DVD package. It will be provided to British Columbia pilots, ship agents, operators and crew of vessels travelling to the Kitimat Terminal, and operators of tugs and vessels supporting Kitimat Terminal marine operations. Specific details will be provided about vessel operating procedures, the whale monitoring program and the importance of adhering to these measures.	018-R	OM-04-04 in response to JRP IR 15.1. J9 in response to JRP IR 1.2.	Assessed
Pre Operation	Operations - Marine	330	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.1: Introduction, Section 3 NGP Response to JRP IR No. 10.7	B023-02, p.17 B074-2, p.18	Kitimat Terminal - Port Information Book Terminal Operations Manual	Reports 3.16 (Port Information Book) and 3.17 (Terminal Operations Manual) will be completed upon receipt of Project approval and in accordance with TERMPOL recommendations, will be submitted to the TERMPOL Review Committee, as well as Transport Canada, Fisheries and Oceans Canada, and Pacific Pilotage Authority Canada for review at least 6 months prior to the start of terminal operations.	018-R	OM-04-05 in response to JRP IR 15.1. J16 in response to JRP IR 1.2.	Assessed
Pre Operation	Operations - Marine	331	NEB Application Volume 8A Section 4.8.1.4, Volume 8B Section 13.5.2, Volume 8C Section 2.1	B003-24, p.84 B003-35, p.12 B003-37, p.19	Marine Radar	Radar will be installed along important inner sections of the ship approach routes to monitor marine traffic and provide additional guidance to pilots and other vessels in the area and, with the approval of the Canadian Coast Guard, become a component of the Coast Guard's Marine Communications and Traffic Services (MCTS) Vessel Traffic Services (VTS) system for the region. Northern Gateway will ensure that new radar installations required will be in place prior to operation of the Kitimat Terminal.	018-R	OM-04-06 in response to JRP IR 15.1. J6 in response to JRP IR 1.2.	In Progress
Pre Operation	Operations - Marine	332	Response to Living Oceans, Raincoast and ForestEthics IR No. 1	B041-25, p.11	Pilot and Tug Training	Northern Gateway will support the pilots and tug companies to develop suitable training programs for the safe implementation of the tug escort program.	018-R	OM-04-07 in response to JRP IR 15.1.	Assessed
Pre Operation	Operations - Marine	333	Response to Living Oceans, Raincoast and ForestEthics IR No. 1	B041-25, p.19	Places of Refuge	Northern Gateway will work with Transport Canada to update their Places of Refuge plans as required.	Commitment	OM-04-08 in response to JRP IR 15.1.	Assessed
Pre Operation	Operations - Marine	335	NGP Response to Coastal FN IR No. 1	B038-02, p.83	Security plan - Vessels and Facilities	Northern Gateway will work with the RCMP and Canadian Coast Guard to develop mutually agreed upon security plans. In accordance with the Marine Transportation Security Act these plans will be confidential.	Commitment	OM-04-10 in response to JRP IR 15.1.	Assessed
Pre Operation	Operations - Marine	336	NGP Response to JRP IR No. 10.7	B074-02, p.19	Shipping route evaluation	Northern Gateway will monitor the Canadian Hydrographic Service's Chart Update program. Northern Gateway will provide Transport Canada with the results of its re-evaluation of the proposed shipping route after the Canadian Hydrographic Service's navigational charts have been updated.	Commitment	OM-04-11 in response to JRP IR 15.1.	Assessed
Pre Operation	Operations - Marine	337	Escort and Docking Tug System Report (11-11-18)	B044-03, p.50	Tug requirements	At least one of the escort tugs will be equipped to provide ocean rescue and emergency towing service, capable of immediate dispatch to assist a disabled tanker in Canadian waters.	018-R, 173-R	OM-04-12 in response to JRP IR 15.1.	Assessed

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Pre Operation	Operations - Marine	338	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.15: General Risk Analysis and Intended Methods of Reducing Risk, Section 3.4	B023-15, p.40	Tug Response Equipment	The escort tugs and harbour tugs will carry response equipment that meets the requirements for a Tier 1 response. This equipment will include containment boom, anchors, skimmer system and temporary storage tanks for recovered oil.	018-R, 173-R	OM-04-13 in response to JRP IR 15.1. J22 in response to JRP IR 1.2.	Assessed
Pre Operation	Operations - Marine	339	NGP Response to JRP IR No. 10.7	B074-02, p.16	Tug training	Northern Gateway will ensure that all escort tug operators receive the required and ongoing training and practice with respect to tug escort operations and emergency procedures.	018-R, 173-R	OM-04-14 in response to JRP IR 15.1.	Assessed
Pre Operation	Operations - Marine	563	Transcript, Vol. 159, Line 2993		Navigation Aids	Northern Gateway commits to pay the cost of new navigation aids if Transport Canada and the Canadian Coast Guard elects not to.	018-R		Assessed
Pre Operation	Operations - Marine	566	Transcript, Vol. 159, Line 3196		Marine Monitoring Equipment	Meteorological and oceanographic monitoring equipment will be installed and operated at the Kitimat Terminal and at select points along the shipping routes. These will be project initiatives.	Commitment		Assessed
Pre Operation	Public Affairs	340	Response to Fort St. James Sustainability IR No. 1	B041-18, p.11-16	Public awareness program	Northern Gateway will establish a public awareness program that will provide pipeline safety information to people who live and work along the pipeline route, to local officials, and to local emergency responders.	168-R	PA-04-01 in response to JRP IR 15.1. This program will include information on how to recognize a possible pipeline emergency, what to do and who to notify. As required by regulation and best practice, Northern Gateway will establish strong communications and notification processes with the local response agencies to ensure that Northern Gateway will be contacted immediately in relation to any potential pipeline emergency call that those agencies receive.	Assessed
Operation	Control Centre	379	NGP Response to Haisla Nation IR No. 2 Transcript, Vol. 96, Line 19515	B045-08, p.124	Leak detection - operation	The Enbridge Edmonton Control Centre has a maximum of 10 minutes to determine whether a SCADA alarm is a non-leak event (i.e., column separation). If a determination cannot be done in 10 minutes, then the pipeline will be shut down. Northern Gateway will also investigate the feasibility of automatic shutdown implemented at the supervisory level after the 10-minute analysis period.	Commitment	O-06-04 in response to JRP IR 15.1.	Assessed
Operation	Control Centre	1029	NGP Response to J. Wier IR No. 3.4(a)	B043-07, p.5	Block Valve Closure Timing	Northern Gateway commits that remotely controlled mainline block valves will be completely closed within 13 minutes of detection of an alarm event.	Commitment		Assessed
Operation	Emergency Management	353	Attachment to NGP Response to JRP IR 5.9	B040-04, p.443	Emergency Notification	Kelly Lake First Nation ("KLFN"): Notification of the KLFN will be part of operational response planning procedures.	168-R, 174-R, 175-R	ER-06-01 in response to JRP IR 15.1.	Assessed

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Operation	Emergency Management	354	Attachment to NGP Response to JRP IR 5.9	B040-04, p.191	Emergency planning and notification - SRFN	Swan River First Nation ("SRFN"): Northern Gateway will take adequate measures to prevent spills, notify SRFN if there is a spill, disclose emergency planning to SRFN.	168-R, 174-R, 175-R	ER-06-02 in response to JRP IR 15.1.	Assessed
Operation	Emergency Management	355	General Oil Spill Response Plan Response to Coastal First Nations IR No. 2	B021-02, p.26,109 B045-03, p.33	Spill Management Team	Tabletop exercises will be conducted biannually for key members of the Spill Management Team. Northern Gateway will involve contractors, participating Aboriginal groups, local communities, and government representatives in the tabletop exercises, as appropriate.	173-R	ER-06-03 in response to JRP IR 15.1.	Assessed
Operation	Emergency Management	356	Transcript, Vol. 92, Lines 14327-14329		Tier 1 & 2 Response Time (pipeline)	Northern Gateway will incorporate a planning metric of a 6 to 12-hour response time for pipeline incidents. Any incident would be responded to as quickly as possible.	117-R, 118-R	ER-06-04 in response to JRP IR 15.1.	Assessed
Operation	Emergency Management	1010	Transcript, Vol. 94, Lines 16860-16861.		Access Management & Emergency Response Plan Reviews	Northern Gateway will review its access management plan and emergency response plan annually (at minimum).	117-R, 118-R, 119-R		Assessed
Operation	Emergency Management - Marine	357	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.15: General Risk Analysis and Intended Methods of Reducing Risk, Section 3.4	B023-15	MOSRP	Response equipment will be stored at several locations within the Confined Channel Assessment Area and Open Water Area. Locations will be determined as part of the response planning process and through discussions with participating Aboriginal groups and the Federal and Provincial government. Locally based staff will be trained in the effective deployment of response equipment.	119-R, 168-R, 173-R	ERM-06-01 in response to JRP IR 15.1. J23 in response to JRP IR 1.2.	Assessed
Operation	Emergency Management - Marine	358	General Oil Spill Response Plan	B021-02, p.15	MOSRP extended responsibility	Northern Gateway has made a corporate commitment to 'extended responsibility' for emergency response along the marine transportation routes. Northern Gateway would take responsibility for maintaining an enhanced spill response capability in the event of third-party tanker spills, beyond what is currently required under Canadian regulations. The tanker owner would remain the responsible party if a spill were to occur.	119-R, 168-R, 173-R	ERM-06-02 in response to JRP IR 15.1.	Assessed
Operation	Emergency Management - Marine	359	TERMPOL Surveys and Studies - Section 3.15 - General Risk Analysis and Intended Methods of Reducing Risk TERMPOL Surveys and Studies - Section 3.18 - Contingency Planning	B023-15, p.83,85 B023-16, p.10	RO MOSRP	Northern Gateway will have in place a model of response capability in the primary area of response that will greatly exceed Canada Shipping Act/Canada Coast Guard requirements, thereby ensuring local Tier 1 through 3 capabilities for the Terminal.	018-R, 119-R, 168-R, 173-R	ERM-06-03 in response to JRP IR 15.1. Superseded by various Conditions listed in the column to the left.	Superseded

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Operation	Engineering	363	NEB Application Volume 6B Environmental and Socio-economic Assessment (ESA) - Marine Terminal (Marine Birds) Section 12	B003-15, p.9	Electrocution mitigation	To protect eagles and other birds of prey from electrocution, energized surfaces will be covered with protective devices manufactured for wires, conductors, power line insulators and power line bushings.	Commitment	EV-06-04 in response to JRP IR 15.1. G16 in response to JRP IR 1.2.	Assessed
Operation	Engineering - Facilities	383	TERMPOL Surveys and Studies - Binder 1 of 3 TERMPOL Study 3.11: Cargo Transfer and Transhipment Systems, Section 2.4.1	B023-12, p.16 B027-08, p.11	Cargo Slop management	The Kitimat Terminal will have facilities to receive, treat and recover oil from the vessel's cargo slops.	Commitment	OM-06-03 in response to JRP IR 15.1. J21 in response to JRP IR 1.2.	Assessed
Operation	Engineering - Facilities	1166	Verbal: Mike Horner to Tom Greenaway at 2014 PG CAB.		Pump Stations - Noise mitigation	If there is too much noise for neighbours from pump stations, Northern Gateway will install a sheer.	Commitment		Assessed
Operation	Engineering - Marine	388	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.10: Site Plans and Technical Data, Section 4.17.1 TERMPOL Surveys and Studies - Section 3.11 - Cargo Transfer and Transhipment Systems	B023-11, p.54 B027-08, p.11	Tanker berth - containment boom	Each tanker berth will be equipped with a containment boom designed to maintain containment of any potential oil spills that may occur during oil loading operations.	018-R	OM-06-08 in response to JRP IR 15.1. J18 in response to JRP IR 1.2.	In Progress
Operation	Environment	360	NEB Application Volume 6A Part 2: Environmental and Socio-Economic Assessment (ESA) - Pipeline and Tank terminal (Conclusions) Section 15	B003-11, p.120	Acid emissions monitoring	Cumulative effects of acid emissions on soils already may be affecting acid-sensitive soils around Kitimat, due largely to the effects of existing industrial sources in the Kitimat area. This situation will be monitored and, if necessary, additional mitigation will be implemented relative to Northern Gateway.	082-R	EV-06-01 in response to JRP IR 15.1. G12 in response to JRP IR 1.2.	Assessed

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Operation	Environment	361	NGP Response to Federal Government IR No. 2 NGP Written Reply Evidence Response to Federal Government IR No. 1	B046-02, p.164 B083-02, p.31 B041-04, p.178	Air Quality and Emissions Management Plan	Northern Gateway will collaborate with stakeholders in the design and implementation of the Air Quality and Emissions Management Plan.	082-R	EV-06-02 in response to JRP IR 15.1. This Plan will involve, but is not limited to, the following: 1. Annual reporting to governments and other stakeholders, as appropriate. 2. Adherence to Canada-wide standard principles (or best industry practices), including application of 'best available technology economically achievable' principles. 3. Ambient monitoring for contaminants of potential concern (i.e., SO2). 4. Emissions tracking for Project sources in the Kitimat area.	Assessed
Operation	Environment	362	NEB Application Volume 6C Environmental and Socio-Economic Assessment (ESA) - Human Environment (Socio-economic Conditions) Section 4	B003-16, p.164	Chemical monitoring (terrestrial receptors)	Northern Gateway will monitor chemicals of potential concern (COPC) concentrations in select terrestrial receptors such as mammals via soils and vegetation for a minimum of three years after the start of operations at the Kitimat Terminal.	082-R	EV-06-03 in response to JRP IR 15.1. G19 in response to JRP IR 1.2.	Assessed
Operation	Environment	364	NEB Application Volume 6C Environmental and Socio-Economic Assessment (ESA) - Human Environment (Socio-economic Conditions) Section 4	B003-17, p.161	Fish & Shellfish Monitoring Study	Northern Gateway will monitor fish and shellfish near the Kitimat Terminal to confirm that emissions and surface run-off are not bioaccumulating in tissues. This study would be conducted for a minimum of three years after the start of terminal operations. Monitoring would only be continued if the study identified bioaccumulation of chemicals of potential concern (COPCs) as per current government standards and guidelines.	036-R, 037-R, 038-R	EV-06-05 in response to JRP IR 15.1. G18 in response to JRP IR 1.2.	In Progress
Operation	Environment	365	NGP Response to Haisla Nation IR No. 1	B039-03, p.194	Fish Habitat Compensation	In an instance where DFO deems it appropriate to compensate for fish habitat that has been affected by an oil spill, Northern Gateway will work closely with DFO to develop a habitat compensation plan that meets DFO's policy of "net gain" and the guiding principle of "net gain" of the productive capacity of fish habitat.	Commitment	EV-06-06 in response to JRP IR 15.1.	Assessed
Operation	Environment	366	NEB Application Volume 8B Section 15.3	B003-36, p.34	Killer Whale behavioural research	Northern Gateway will take a lead role in researching potential behavioural changes to northern resident killer whales, and associated effects such as increased energy expenditure or reduced foraging efficiency, with other interested parties.	050-R, 051-R, 191-R	EV-06-07 in response to JRP IR 15.1. J12 in response to JRP IR 1.2.	Assessed

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Updated Commitments Tracking Table

Northern Gateway Pipelines Inc.
Certificates OC-60 and OC-61

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Operation	Environment	367	NGP Response to BC Nature - Nature Canada IR No. 1	B041-02, p.35	Light disturbance - marine birds	Northern Gateway has committed to the application of light disturbance mitigation measures during the time a vessel is at anchor.	063-R, 064-R, 065-R	EV-06-08 in response to JRP IR 15.1.	Assessed
Operation	Environment	368	NEB Application Volume 6A Part 1: Environmental and Socio-Economic Assessment (ESA) - Pipeline and Tank Terminal Section 5	B003-02, p.30	Noise Monitoring	To confirm compliance with Alberta Energy Resources Conservation Board Directive 038, ambient noise monitoring will be implemented for a 24-hour period during the first year of operations at the station where the highest noise level or closest receptor can be expected.	063-R, 064-R, 065-R	EV-06-09 in response to JRP IR 15.1. G6 in response to JRP IR 1.2.	Assessed
Operation	Environment	369	NEB Application Volume 6A Part 1: Environmental and Socio-Economic Assessment (ESA) - Pipeline and Tank Terminal Section 6	B003-03, p.82	Soil Monitoring Program (acid deposition area)	Northern Gateway will initiate a soil monitoring program within the regional acid deposition effects assessment area (RADEAA) that will evaluate changes in soil quality caused by inputs of acidifying emissions (i.e., changes in soil chemical parameters such as pH, cation exchange capacity, exchangeable bases, exchangeable aluminum, and soluble aluminum and biological parameters such as soil microorganism function and diversity).	082-R	EV-06-10 in response to JRP IR 15.1. G7 in response to JRP IR 1.2.	Assessed
Operation	Environment	370	NGP Response to J. Wier IR No. 2	B037-12, p.22	Spill monitoring program	In the event of a spill, Northern Gateway will implement a comprehensive environmental monitoring program that is commensurate to the site specific conditions. The program would employ industry best practices for environmental monitoring, and be developed in consultation with relevant regulators, Aboriginal groups, and stakeholders as appropriate.	168-R	EV-06-11 in response to JRP IR 15.1. The objectives of the program would be to characterize the extent of contamination arising from the incident, to monitor containment effectiveness and clean-up progress, and to guide the development of further response and remediation plans.	Assessed
Operation	Environment	371	NEB Application Volume 6A Part 1: Environmental and Socio-Economic Assessment (ESA) - Pipeline and Tank Terminal Section 8 Wetland Function Assessment Framework - NGP Written Reply Evidence	B003-05, p.65 B080-15, p.3,41 B083-02, p.26,27	Wetlands monitoring	During the first three years of operations, wetlands will be monitored to confirm that the drainage and water quality are re-established after RoW reclamation. If necessary, during operations, additional culverts, ditches or berm breaks will be installed to facilitate the flow of water across the RoW.	067-R, 068-R, 069-R, 070-R	EV-06-12 in response to JRP IR 15.1. G8 in response to JRP IR 1.2.	In Progress
Operation	Environment	553	Transcript, Vol. 145, Line 18136		Marine Environmental Effects Monitoring	Northern Gateway commits to 6 years of marine environmental information collection: 3 years pre-operation and 3 years post-operation with respect to the Marine Environmental Effects Monitoring Plan (MEEMP). Northern Gateway also commits to updating that information throughout the life of the project.	036-R, 037-R		In Progress

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Updated Commitments Tracking Table

Northern Gateway Pipelines Inc.
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Operation	Insurance	372	NGP Response to JRP IR No 9 NGP Response to JRP IR No. 11.14c	B058-02, p.12 B101-02, p.75	Insurance	Northern Gateway will maintain commercial liability insurance coverage that is consistent with coverage considered customary for its industry and includes coverage for environmental incidents such as crude oil releases. Losses and claims in excess of insurance coverage could be covered by cash from operations, the issuance of debt, commercial paper and/or credit facility draws, expected future access to public and capital markets or the sale of assets. There are no limits on the commitment by Northern Gateway to use all of the resources available to it to address any liability in excess of its insurance coverage.	187-R	I-06-01 in response to JRP IR 15.1.	Assessed
Operation	Integrity	374	NGP Written Reply Evidence	B083-02, p.72	Design enhancements - Integrity	In addition to specific plans for high consequence areas such as the Kitimat Valley which involve numerous in-line inspection surveys within the first two years of operation, Northern Gateway will increase the frequency of its in-line inspections across the entire pipeline system by a minimum of 50% over and above current standards.	206-R, 207-R	PI-06-02 in response to JRP IR 15.1.	In Progress
Operation	Integrity	375	NGP Response to Haisla Nation IR No. 3.2 Reply Evidence - Kitimat Valley Design, Construction and Operations Study Report	B079-02, p.5 B083-08, p.43	Integrity management	Northern Gateway will perform the following inspection procedures that are over and above the normal Enbridge integrity management processes: 1. GEOPIG™ during the first year. 2. Crack detection within the first two years of operation. 3. Corrosion MFL within the first two years of operation. 4. Ultrasonic wall measurement during the first two years of operation. 5. High-resolution ILI in the first 11 years of operation.	206-R, 207-R	PI-06-03 in response to JRP IR 15.1.	In Progress
Operation	Integrity	380	NGP Response to JRP IR No. 4.10	B035-02, p.17	River crossing monitoring program	A river crossing monitoring program will be implemented for the Northern Gateway Project.	Commitment	O-06-05 in response to JRP IR 15.1. Line patrols will be used to monitor for exposed pipe, bank movement, accumulation of debris, flooding, or any other changes in the right-of-way condition at these sites. Should any of these events be observed, such as significant alterations to the crossing profile caused by high water levels, qualified parties will conduct more detailed assessments and any required remediation will be implemented.	Assessed
Operation	Operations	373	Transcript, Vol. 96, Lines 19017-19109		Cathodic Protection technician	There will be a full-time Northern Gateway dedicated cathodic protection technician with responsibility for the entire length of the pipeline.	Commitment	PI-06-01 in response to JRP IR 15.1.	Assessed

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Northern Gateway Pipelines Inc.
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Operation	Operations	376	NGP Written Reply Evidence	B083-02, p.69	Design enhancements - Pump station staff	Northern Gateway will staff all of its pump stations on a 24/7 basis for on-site monitoring and security of equipment, rapid response and ultimately to further ensure the safety of the public and protection of the environment.	Commitment	O-06-01 in response to JRP IR 15.1. Consistent with its overall commitment, Northern Gateway intends to recruit and train people from local communities and Aboriginal groups as a priority to fill the positions needed for a 24/7 operation.	In Progress
Operation	Operations	377	Transcript, Vol. 92, Line 14405		Helicopter	Northern Gateway will own at least one helicopter to perform aerial patrols and be available for emergency response.	Commitment	O-06-02 in response to JRP IR 15.1.	Assessed
Operation	Operations	378	Transcript, Vol. 86, Line 6040		Leak Detection - new technology	Northern Gateway will employ new leak detection technologies if they substantively improve leak detection capabilities.	110-R, 111-R, 112-R, 113-R	O-06-03 in response to JRP IR 15.1.	In Progress
Operation	Operations	1013	Transcript, Vol. 147, Lines 20621-20623		Water Supply Contamination	If a potable water supply is contaminated due to a Northern Gateway oil spill, Northern Gateway will provide an alternate water supply.	117-R, 118-R, 119-R, 174-R, 175-R, 176-R		Assessed
Operation	Operations - Marine	381	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.11: Cargo Transfer and Transhipment Systems, Section 2.3	B023-12, p.16	Ballast Management - Terminal	The Kitimat Terminal will facilitate inspection by Transport Canada to ensure that the ship has conducted proper ballast exchange in the open ocean per Canada's Ballast Water Control and Management Regulations. If so directed by Transport Canada, the tanker will not be allowed to discharge the segregated ballast and will need to retain it onboard.	018-R	OM-06-01 in response to JRP IR 15.1. J20 in response to JRP IR 1.2.	Assessed
Operation	Operations - Marine	382	NEB Application Volume 8A Section 4.7.11.5	B003-24, p.68	Ballast Water Management Plan	All tankers calling at the Kitimat Terminal must have a ballast water management plan and comply with Canada's Ballast Water Control and Management Regulations.	018-R	OM-06-02 in response to JRP IR 15.1. J5 in response to JRP IR 1.2.	Assessed
Operation	Operations - Marine	384	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.1: Introduction, Section 2.4.2	B023-02, p.15	Escort Tugs	All laden tankers will have a tethered and close escort tug throughout the Confined Channel sections (from Browning Entrance or Caamaño Sound to the Kitimat Terminal). The tethered escort tug will be tethered to the stern of the laden tanker at all times ready to assist with steering or "braking". All tankers will have a close escort tug between the Triple Island pilot station and Browning Entrance.	018-R	OM-06-04 in response to JRP IR 15.1. J15 in response to JRP IR 1.2.	Assessed
Operation	Operations - Marine	385	TERMPOL Surveys and Studies - Section 3.1 - Introduction	B023-02, p.15	Escort Tugs	Tankers in ballast will have a close escort tug between the Pilot boarding stations at Triple Island, Browning Entrance and Caamaño Sound and the Kitimat Terminal.	018-R	OM-06-05 in response to JRP IR 15.1.	Assessed

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Operation	Operations - Marine	386	TERMPOL Surveys and Studies -Binder 1 of 3 TERMPOL Study 3.9: Ship Specifications, Section 1.1 and 3.1	B023-10, p.7	Tanker Acceptance Criteria	Northern Gateway will establish Tanker Acceptance (Vetting) Criteria that will be used to review and approve each vessel prior to it being granted permission to call at the Kitimat Terminal. The Kitimat Terminal will use a Tanker Acceptance Program to assure that the tankers scheduled to berth at the terminal will meet the highest industry standards. Northern Gateway will subscribe to the most current Ship Inspection Report (SIRE) Program. Tankers without a SIRE filed within the previous two years will not be allowed to use the Kitimat Terminal under any circumstances.	018-R	OM-06-06 in response to JRP IR 15.1. J17 in response to JRP IR 1.2.	Assessed
Operation	Operations - Marine	387	NGP Response to Coastal FN IR No. 1	B038-02, p.27	Tanker Acceptance Vetting Group	Northern Gateway will establish a vetting group within the organization or contract with a qualified vetting organization to vet every tanker which is nominated to call at the terminal. It will be this group's responsibility to determine if a nominated tanker meets the Northern Gateway standards for tankers calling at the terminal. No tanker will be allowed to call at the terminal without the written approval of this group.	018-R	OM-06-07 in response to JRP IR 15.1.	Assessed
Operation	Operations - Marine	389	TERMPOL Surveys and Studies - Section 3.18 - Contingency Planning	B023-16, p.10	Tug requirements	In parallel with the requirements for vessel Contingency Plans, the Project will require that each tethered, escort or harbour support tug of 300 gross tonnes or greater have a shipboard oil pollution emergency plan.	117-R, 118-R, 119-R	OM-06-09 in response to JRP IR 15.1.	Assessed
Operation	Operations - Marine	390	NEB Application Volume 8B Section 13.7.5.3, 15.1 TERMPOL Surveys and Studies - Binder 1 of 3 TERMPOL Study 3.7: Transit Time and Delay Survey, Section 2.1 and Section 2.3. June 2011 Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan	B003-35, p.11,27 B023-08, p.7,9,10 B085-02, p.13	Vessel Speed	To decrease the likelihood of a lethal vessel strike, tankers and tugs will travel at 8 to 10 knots when in the core humpback whale areas at certain times of the year, unless otherwise required for safe navigation. These speed restrictions are currently proposed for the period of 1 May to 1 November; however, the spatial and temporal boundaries of the core humpback whale area will be refined from data collected through marine mammal density surveys and the quantitative vessel strike analysis. Throughout the remainder of the year in the core humpback whale area, and year-round in the CCAA outside of the core humpback whale area, tankers and accompanying escort tugs will travel at a maximum speed of 10 to 12 knots. Unaccompanied tugs may transit the CCAA at speeds of up to 15 knots, except while in the core humpback whale area during 1 May to 1 November, as described above. In the "CCAA approaches", Northern Gateway will require tanker speeds to be less than 14 knots for the period 1 May to 1 November. Surveying of seasonal whale densities and distributions will again be used to better define this period, and the quantitative vessel strike analysis will be used to better define the geographical extent of this area. Otherwise, tanker speeds in the OWA will generally be in the range of 14 to 16 knots.	018-R	OM-06-10 in response to JRP IR 15.1. J10 in response to JRP IR 1.2.	Assessed
Operation	Operations - Marine	391	NEB Application Volume 8B Section 10.3	B003-29, p.10	Whale Monitoring	If whale monitoring undertaken during vessel transits during peak humpback whale abundance (i.e. May to October or as further defined from information collected during follow-up studies and the whale-monitoring vessel) indicates that humpback whales are consistently present within the core area, Northern Gateway will consider the preferential use of the Northern Approach (as opposed to the Southern Approach (direct) through Caamaño Sound). The specific criteria for the Northern Approach will be developed based on the results of ongoing field surveys, information from traditional knowledge studies by participating coastal Aboriginal groups, and information from the whale-monitoring program.	Commitment	OM-06-11 in response to JRP IR 15.1. J8 in response to JRP IR 1.2.	Assessed

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Northern Gateway Pipelines Inc.
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Operation	Operations - Marine	392	NGP Response to JRP IR 8.17c - Technical Data Report: Framework for the Marine Mammal Protection Plan Response to North Coast Cetacean IR No. 1	B085-02, p.15 B041-26, p.4	Whale Spotting service	A whale spotting vessel will be operated in the initial years of the Project to identify the locations of whales within the core humpback whale area and immediately adjacent areas. During tanker transits through these areas, the whale-spotting vessel will be used to visually identify whales and other marine mammals in the area. Northern Gateway would be responsible for ensuring appropriate funding, consistent with meeting pertinent regulatory requirements, and any specific commitments made to communities.	Commitment	OM-06-12 in response to JRP IR 15.1. Northern Gateway commits that, if whales are identified during vessel transits, the whale monitoring boat will notify the tanker of the location of whales. The captain will reduce speed to the minimum safe level. The captain, in consultation with the pilot will determine if route adjustments should be made. NOTE: This action is always subject to the safety of tanker navigation.	Assessed
Operation	Operations - Marine	562	Transcript, Vol. 159, Lines 2913-2920; TERMPOL 3.5 & 3.12	B023-06, p.27	Tanker Routes	No tankers will use the Inner Passage (except to cross Wright Sound), Laredo Sound, or Grenville Channel.	018-R	Navigation remains the purview of the master and pilot per CSA 2001 and Pilotage Act. Northern Gateway will describe the preferred routing in the Port Information Handbook.	Assessed
Operation	Operations - Marine	564	Transcript, Vol. 159, Lines 3424 & 3447; Transcript, Vol. 161, Line 6245		Tanker Acceptance Criteria	Northern Gateway will only accept tankers with coated ballast tanks and will not accept tankers without an oil tight longitudinal bulkhead.	018-R		Assessed
Operation	Operations - Marine	573	Transcript, Vol. 162, Line 7182		Tanker Acceptance Criteria - Double-hulled fuel tanks	Northern Gateway will require that all tanker fuel tanks be double hulled.	Commitment		Assessed
Operation	Operations - Marine	575	Transcript, Vol. 162, Line 7893		Tanker Acceptance Program Audits & Terminal Regulation Compliance	Northern Gateway will have the Tanker Acceptance Program, including acceptance criteria, audited by a qualified and competent independent auditor and make the results of the audit public. Northern Gateway will publicly report compliance with the Terminal Regulations.	018-R, 019-R		Assessed
Operation	Operations - Marine	1033	NGP Response to JRP IR No. 17.1(c.4)	B206-02, p.15	Fisheries Liaison Committee ("FLC") - Terminal Regulations	Vessels calling on the Kitimat Terminal, through the Terminal Regulations, will be required to follow measures adopted by the FLC and agreed to by Northern Gateway.	52-R		Assessed

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Operation	Operations - Marine	1034	NGP Response to Coastal First Nations IR No. 2.9(d)	B045-03, p.22	Tanker Management - Berth Availability	Northern Gateway will not allow a tanker to begin the transit through the CCAA to Kitimat terminal unless, upon arrival, a berth is expected to be available.	Commitment		Assessed
Operation	Operations - Marine	1037	NGP Response to Coastal First Nations IR No. 2.6(b)	B045-3, p.17	Tanker Acceptance Program Compliance	Northern Gateway commits that tankers will have passed the Tanker Acceptance Program prior to entering the Open Water Area.	018-R		Assessed
Operation	Operations - Marine	1038	Northern Gateway Project Application, Volume 8B: Environmental and Socio- Economic Assessment (ESA) – Marine Transportation	B003-26, p.19	Tanker Compliance - Vapour Recovery	Northern Gateway will ensure that all tankers will be equipped and will be required to conform with closed loading and vapour recovery operation systems.	018-R		Assessed
Operation	Operations - Marine	1040	Northern Gateway Project Application, Volume 8C: Risk Assessment and Management of Spills – Marine Transportation	B003-37, p.2-1	Tanker Compliance - Ship Masters	Northern Gateway will require all masters of foreign deep- sea tankers calling at the Kitimat Terminal to have a full Master Mariners licence.	018-R		Assessed
Operation	Operations - Marine	1043	NGP Response to JRP IR No. 8.23	B047-10, p.71-72	Vessel Compliance - Shipboard Oil Pollution Emergency Plan	Through the Tanker Acceptance Program, Northern Gateway will ensure that the vessel's Shipboard Oil Pollution Emergency Plan will acknowledge and incorporate by reference to the Project's Marine Oil Spill Response Plan and any subordinate planning measures (e.g., Geographic Response Plans).	018-R		Assessed
Operation	Project Leader	1019	Transcript, Vol. 106, Line 559.		Energy Use Offset	Northern Gateway will offset the kilowatts of energy consumed for operations with green energy.	Commitment		Assessed

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