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January 31, 2017

Filed Electronically

National Energy Board
Suite 210, 517 Tenth Avenue SW
Calgary, AB T2R 0A8

Attention: Ms. Sheri Young, Secretary of the Board

Dear Ms. Young:

**Re: NOVA Gas Transmission Ltd. (NGTL)
North Montney Project (Project)
Certificate GC-125 (Certificate) and s.58 Order XG-N081-010-2015 (Order)
Certificate Condition 21 and Order Condition 5 – Commitment Tracking Table
Board File OF-Fac-Gas-N081-2013-10 02**

In accordance with Certificate Condition 21 and Condition 5 of the Order, NGTL encloses the Commitment Tracking Table for the Project. The reporting period for this submission is December 15, 2016 to January 15, 2017.

As required, NGTL has posted the North Montney Project Commitment Tracking Table on TransCanada's external webpage for the Project at <http://www.transcanada.com/6841.html>.

If the Board requires additional information with respect to this filing, please contact me at 403-920-7732, or by email at steph_brown@transcanada.com.

Yours truly,
NOVA Gas Transmission Ltd.

Original Signed By

Stephanie Brown
Regulatory Project Manager
Regulatory, Canadian Gas Pipelines

Enclosure

North Montney Mainline Project – Commitment Tracking Table #20
(November 8, 2013 to January 15, 2017)

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (Exhibit No./ Filing ID)	Status	Project Phase	Comments	Accountability
1	MNBC	Aboriginal Engagement Matters	NGTL committed to providing Métis Nation British Columbia (MNBC) further information regarding role descriptions for pipeline jobs and how the Prime Contractor and Sub Contractors assist smaller businesses.	Aboriginal Engagement Update May 2014	B19-1 (A3X4Z8)	Complete	Pre-Construction	NGTL met with MNBC via conference call on 09/03/14 and provided information on contracting opportunities and vendor registration.	Project Manager, Engagement Lead, Aboriginal Contracts Advisor
2	DTFN / DRFN / PRFN	Aboriginal Engagement Matters	NGTL is committed to working with successful contractors to provide employment opportunities for qualified local residents.	AWE, App 7 -Sub App L, Supplemental Traditional Knowledge Report	B13-41 (A3W1R6)	Ongoing	Construction		Project Manager, Engagement Lead, Aboriginal Contracts Advisor
3	DTFN	Aboriginal Engagement Matters	NGTL is committed to supporting local communities by providing contracting and employment opportunities to qualified Aboriginal and local businesses.	DTFN 1.2 - Response to Information Request – 1.2.1	B23-8 (A3Y0F9)	Ongoing	Construction		Project Manager, Engagement Lead, Aboriginal Contracts Advisor
4	BRFN	Aboriginal Engagement Matters	Blueberry River First Nation (BRFN) requested that NGTL double the wall thickness of the pipe where it is crossing the Sikanni Chief River. NGTL is currently reviewing the request and will provide BRFN with feedback on the request.	Aboriginal Engagement Update for June 2014	B32 (A61373)	Complete	Pre-Construction	On July 25, 2014, NGTL followed up on BRFN's request to NGTL to double the thickness at the Sikanni River crossing. NGTL confirmed that the wall thickness will be increased from 13.7 mm to 18.3 mm. In addition, the pipe under the river crossing will be concrete coated.	Project Manager, Engagement Lead, Engineering
5	RRMS	Aboriginal Engagement Matters	NGTL has committed to working with Red River Métis Society (RRMS) to understand their needs for assessing the potential impacts from the Project to their community and their use of the land.	Aboriginal Engagement Update for June 2014	B32 (A61373)	Complete	Pre-Construction	NGTL met with RRMS on 09/23/14. Discussion focused on SCM and potential economic opportunities.	Engagement Lead, Environmental Planner
6	All	Aboriginal Engagement Matters	NGTL will ensure Project commitments related to Aboriginal hiring and business procurement under the direction of the prime construction contractor are met through regular reporting and tracking of these commitments throughout construction.	NEB 4.10 – Response to Round 4 Information Request – Pg. 4	B27-1 (A3Y5Q8)	Ongoing	Construction		Project Manager, Engagement Lead, Aboriginal Contracts Advisor
7	PRFN	Aboriginal Engagement Matters	NGTL is committed to continued work with Prophet River First Nation's (PRFN) Monitors to confirm the mitigation strategies identified and describe how any agreed upon mitigation will be denoted in the final Environmental Protection Plan (EPP) for the Project.	Response to PRFN IR No. 2 , IR 1.2	B38-6 (A3Z6X8)	Ongoing	Construction	Traditional Knowledge features and sites that were observed and recorded during field studies with PRFN's participation had mitigation measures applied, where applicable, and is outlined in the Environmental Protection Plan (EPP). Refer to Condition 14 – EPP and EAS (A72124) filed on August 18, 2015 and approved by the Board on November 6, 2015.	Engagement Lead, Environmental Planner
8	PRFN	Aboriginal Engagement Matters	NGTL is committed to reviewing the results of the studies and the Weed Management Plan, as part of the EPP with PRFN.	Response to PRFN IRs No. 2, IR 1.2.2	B38-6 (A3Z6X8)	Complete	Pre-Construction		Engagement Lead, Environmental Planner
9	All	Aboriginal Engagement Matters	NGTL has implemented Aboriginal Monitoring Program on previous projects in the region including a training program for Environmental Inspector Assistants. NGTL is committed to implementing a similar program for the Project.	Response to PRFN IRs No. 2 , IR 1.2.1	B38-6 (A3Z6X8)	Planned	Pre-Construction		Engagement Lead, Environmental Planner
10	WMFN	Aboriginal Engagement Matters	NGTL committed to provide West Moberly First Nation (WMFN) a copy of the Project's Archaeological Impact Assessment (AIA). The combined AIA for the North Montney Project is not complete at this time (Aitken Creek Section has been approved and Kahta Section is in development). Once both sections have been approved, the Final Combined Report will be submitted to the BC Archaeology Branch and NGTL will provide to WMFN.	Response to WMFN IR No.2, IR 2.35	B38-9 (A3Z6Y1)	Complete	Pre-Construction	On September 28, 2015 the AIA report (flash drive) was delivered to West Moberly.	Engagement Lead, Environmental Planner
11	HRFN	Aboriginal Engagement Matters	NGTL has committed to provide Halfway River First Nation (HRFN) with restoration drawings for watercourse crossings when they are completed.	Aboriginal Engagement Update for September 2014 Page 4, Para. 6	B54-1 (A4C5V4)	Complete	Post-construction	Restoration drawings for watercourse crossings to HRFN via email on July 14, 2015.	Engagement Lead, Environmental Planner
12	All	Aboriginal Engagement Matters	NGTL is committed to working with qualified contractors for employment and providing training opportunities.	Aboriginal Engagement Update for September 2014	B54-1 (A4C5V4)	Ongoing	Pre-Construction		Project Manager, Engagement Lead, Aboriginal Contracts Advisor
13	SFN	Aboriginal Engagement Matters	NGTL commits to prohibiting firearms at camps and the worksite as a condition of project approval, with the exception of designated personnel	SFN 8.1 - Response to Round 1 Information Request – Pg. 5	B23-17 (A3Y0G8)	Planned	Construction		Project Manager

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14	NEB	Aboriginal Engagement Matters	NGTL is committed to filing with the NEB the results of Caribou Mitigation Monitoring Program, proposed in years 1, 3 and 5 following the first complete growing season after restoration measures are implemented. These filings will be posted on the NEB Regulatory Document Index, where they are publicly available. NGTL will engage with the Aboriginal communities that have expressed interest in the Project, including WMFN, to determine whether they wish to be notified of filings.	Response to WMFN IR No.2, IR 2.35	B38-9 (A3Z6Y1)	Planned	Post-construction		Engagement Lead, Environmental Planner
15	PRFN / SFN / WMFN	Aboriginal Engagement Matters	NGTL will review the Independent Technical Review with listed communities to discuss key issues found within the interim report.	Aboriginal Engagement Update for September 2014 PRFN - Page 9, Para. 5	B54-1 (A4C5V4)	Complete	Pre-Construction		Engagement Lead, Environmental Planner
16	NEB	Environmental Matters	NGTL will be required to report Greenhouse Gas (GHG) emissions. NGTL will comply with the requirements of the Greenhouse Gas Reduction (Cap and Trade) Act and its associated regulations.	Information Request, NEB 2.36	B10-1 (A3V4S2)	Planned	Operations		Environmental Planner
17	NEB	Environmental Matters	NGTL is aware that Fisheries and Oceans (DFO) Operational Statements have been replaced by DFO's Measures to Avoid Causing Harm to Fish and Fish Habitat found on DFO's website. Applicable measures to avoid causing harm to fish or fish habitat including project planning, erosion and sediment control, shoreline re-vegetation and stabilization, and fish protection will be included in the final Environmental Protection Plan (EPP) filed with the NEB prior to construction.	Information Request, NEB 2.29	B10-1 (A3V4S2)	Complete	Pre-construction		Environmental Planner
18	NEB	Environmental Matters	Mitigation for all noxious weed location sites will be incorporated into the Environmental Alignment Sheets (EAS) prior to construction.	Response Round 2 Information Request, PRFN 1.2	B38-6 (A3Z6X8)	Complete	Pre-construction	Mitigation for all noxious weed location sites has been included in the Environmental Protection Plan (EPP). Refer to Condition 14 – EPP and EAS (A72124) filed on August 18, 2015.	Environmental Planner
19	NEB	Environmental Matters	In the event that construction or rough clean-up work extends into critical timing periods for caribou, NGTL will consider the implementation of the measures listed in the Preliminary Caribou Habitat Restoration Plan (CHRP), to the extent feasible.		B38-8 (A3Z6Y1)	Planned	Construction		Environmental Planner
20	NEB	Environmental Matters	NGTL has engaged provincial regulatory authorities, and is committed to continuing consultation as the planning, construction and reclamation phases of the Project progress. Should regional initiatives be identified with objectives of monitoring wildlife response to the multiple activities and natural processes occurring within the landscape, NGTL will consider whether contribution and/or participation in such initiatives are of value.	Response Round 2 Information Request, WMFN 2.17	B38-9 (A3Z6Y1)	Ongoing	All		Environmental Planner
21	NEB	Environmental Matters	In advance of clearing/construction, the eleven mineral licks that overlap with the PDA, or are within 100 m of the project development area (PDA) and could be affected during the critical timing window (i.e., May to November), will be assessed to document the ungulate species that use them. The significance of each mineral lick will be determined following provincial guidelines (BC MWLAP 2004). Results of each assessment will be discussed with the appropriate regulatory authority and mitigation options will be reviewed as required.	Response Round 2 Information Request, WMFN 2.14	B38-9 (A3Z6Y1)	Complete	Pre-construction	Mineral licks that were not previously verified were investigated in the field in June 2015. Mitigation was included in the OGC applications for verified mineral licks within 100 m of the Project footprint.	Environmental Planner

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22	NEB	Environmental Matters	In the context of NGTL's assessment of project interactions and effects relating to groundwater and mitigation, in such localized areas, specific measures will be taken to mitigate effects on groundwater quantity/quality, including: <ul style="list-style-type: none"> assessing the need for localized groundwater dewatering and developing local monitoring plans where dewatering is deemed necessary during construction monitoring groundwater quality during dewatering operations, if necessary discharging groundwater produced during dewatering (where necessary) in the local watersheds applying best practices during horizontal directional drills to minimize unintended release of drilling fluids conducting preconstruction domestic well surveys in areas near the right-of-way where dewatering or blasting might be necessary backfilling pipeline trenches in a manner that does not create preferential flow paths for groundwater, and providing provisions for erosion and sediment control where groundwater is discharged, if necessary during dewatering 	Response Round 1 Information Request, BC MNGD 1.1	B23-5 (A3Y0F6)	Planned for staged completion	Pre-construction and during construction		Environmental Planner, Construction Manager
23	NEB	Environmental Matters	Groundwater monitoring and reporting plans will be developed if, during preconstruction design and planning, areas are identified that might have potential for temporary interactions with the Project. NGTL will add to the Resource-Specific Mitigation section of the Final EPP.	Response Round 1 Information Request, BC MNGD 1.1	B23-5 (A3Y0F6)	Planned	Pre-construction		Environmental Planner
24	NEB	Environmental Matters	NGTL commits to including acid rock drainage (ARD)/ metal leachate (ML) management in the Final Environmental Protection Plan if the results of the geohazard assessment (Golder 2014) identify ARD/ML potential in the project development area.	Response Round 1 Information Request, BC MNGD 1.2	B23-5 (A3Y0F6)	Complete	Pre-construction	The ARD/ML management information will be incorporated into the Environmental Protection Plan for the Project which will be submitted prior to construction.	Project Manager, Environmental Planner
25	NEB	Environmental Matters	NGTL will install access-control measures to deter access along the Project right-of way (ROW) and around other Project features, including locations south of the Peace River. NGTL will also remove or rehabilitate temporary access roads and shooflies, and remove temporary bridges over watercourse crossings.	Response to Round 1 Information Request, SFN 39.1	B23-17 (A3Y0G8)	Planned	Construction		Construction Manager, Environmental Planner
26	NEB	Environmental Matters	A den survey will be done before construction. If a den is found, it will be marked and appropriate timing restrictions and setbacks will be applied as per provincial regulations, where feasible.	Response to Round 1 Information Request, WMFN 3	B23-20 (A3Y0H1)	Complete	Pre-construction	NGTL completed the den survey in June 2015. The results will be recorded in the Environmental Protection Plan and Environmental Alignment Sheets which will be submitted prior to construction.	Environmental Planner

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27	NEB	Environmental Matters	<p>Map Reserve 80001430 BC Forest, Lands, Natural Resource Operations (FLNRO) noted in the short term this Project would limit wildlife use of the site, and that once reclamation activities were completed, it would actually serve to benefits some wildlife species (given the creation of early seral habitat). FLNRO asked NGTL to comment on how NGTL would mitigate project impacts within the reserve given it also overlaps with a proposed Ungulate Winter Range (UWR) (see below). In the Project Environmental Protection Plan and Environmental Alignment Sheets, filed with the NEB, NGTL committed to mitigation measures including:</p> <ul style="list-style-type: none"> • Where the route is not contiguous with existing linear features, reduce line of sight to equal to or less than 500 m. • Keep active game trails open during construction by leaving gaps in windrows (i.e., grubbing piles, topsoil, grade spoil, rollback) and strung pipe at obvious and previously identified wildlife trails, to allow for passage across the right-of-way. • For UWR U-9-007 (proposed) avoid work during critical timing period (where feasible) once defined by provincial governing bodies. • Clearing and brushing is restricted within the migratory bird nesting period (May 1 to July 31).In addition, NGTL has committed to: • planning for open cuts on undeveloped roads, thus removing from the disturbance footprint the temporary workspace footprint at those locations that had been allocated for boring the roads. This will further reduce the footprint within Map Reserve 8001430. 	Additional Written Evidence, Appendix 7–2, BC Ministry of Forests, Lands and Natural Resource Operations Engagement Log	B13-15 (A3W1L0)	Complete	Pre-construction	NGTL provided to FLNRO PDF plans on January 28, 2014 for the portion of the right-of-way through the Map Reserves. NGTL provided the plans in shapefile format on March 14, 2014. FLNRO provided comment to NGTL on April 2, 2014. Response regarding Map Reserve 8001430 provided on April 17, 2014.	Environmental Planner
28	NEB	Environmental Matters	<p>Notation of Interest Lands File No. 8005282 This is a 682 ha notation of interest (NOI) area near Davies Lake. FLNRO recommends that:</p> <ul style="list-style-type: none"> • activities be planned to minimize footprint within the NOI (making use of existing corridors etc.), • the riparian area of Davies Lake not be infringed upon, • a minimum 500 m no disturbance zone be maintained around the lake (commencing from the high water mark of the lake) between April 1 and July 31 to avoid disruption of breeding swans and • vegetation removal be undertaken in accordance with the Peace Region Selected Terrestrial and Aquatic Wildlife Least Risk Windows – April, 2011 - to reduce risk of adverse impacts to other wildlife values. <p>FLNRO acknowledges it will likely not be possible for NGTL to maintain the 500m operational setback. Since NGTL's pipeline ROW is within about 200 m of Davies Lake and there is already existing disturbance (pipelines ROWs) between NGTL's proposed line and the lake, FLNRO requests that no activities occur West of the existing linear disturbance (which is immediately adjacent to NGTL's proposed pipeline). Maintaining this ~ 200 m operational setback would be considered appropriate mitigation provided that the rest of the direction specified above is also incorporated.</p>	Additional Written Evidence, Appendix 7–2, BC Ministry of Forests, Lands and Natural Resource Operations Engagement Log, PDF Page 20	B13-15 (A3W1L0)	Complete	Pre-construction	NGTL provided FLNRO PDF plans on January 28, 2014, for the portion of the right-of-way through the Map Reserves. NGTL provided the plans in shapefile format on March 14, 2014. FEED plans provided for this NOI and the other reserves in conflict with the proposed pipeline route; suggest no facilities are required in the subject NOI/reserves. In the event NGTL's project changes, MFLRNO – ES would prefer that any facilities required be located outside of the identified NOI/reserves given the implications (e.g. indirect project effects {noise etc.}) to wildlife.	Environmental Planner
29	NEB	Environmental Matters	FLNRO asked that NGTL make every attempt to minimize new footprint within the Pink Mountain and Graham caribou herd ranges.	Additional Written Evidence, Appendix 7–2, BC Ministry of Forests, Lands and Natural Resource Operations Engagement Log	B13-16 (A3W1L1)	Complete	Pre-construction	NGTL has already engaged with operators of parallel lines to determine if TWS could be place on their ROW. NGTL will continue to pursue feasible opportunities, such as extending bores under third party road or line crossings, to achieve line of sight breaks.	Environmental Planner

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30	NEB	Construction Matters	All imported ballast and riprap rock must be free of acid generating rock. Rock with a potential to acidify water will not be used. This additional mitigation measure will be included in Section 7 of the final EPP, to be filed with the NEB prior to construction.	Additional Written Evidence Stantec Supplemental Environmental Report, Section 2.3.3 Mitigation Measures	B13-20 (A3W1L5)	Complete	Pre-construction	These additional mitigation measures have been included in the Environmental Protection Plan (EPP). Refer to Condition 14 – EPP and EAS (A72124) filed on August 18, 2015.	Environmental Planner
31	NEB	Environmental Matters	Where Mountain Pine Beetle infestations are identified during clearing activities, NGTL will consult with appropriate regulatory authorities and develop appropriate mitigation to reduce likelihood of spread.	Supplemental Assessments Vegetation and Wetlands, Section 2.1.3 Pest Species- Mountain Pine Beetle Infestation	B4-2 (A3S2A3)	Planned	Construction		Environmental Planner
32	NEB	Environmental Matters	All personnel working on site will be made aware of NGTL's commitment to caribou conservation and the requirements outlined in the Preliminary CHRP. Education and awareness will be conducted at various onsite meetings (i.e., kick-off meeting, project orientation, and daily tailgate meetings, where appropriate).	Preliminary Caribou Mitigation Plan– Aitken Creek and Kahta Sections, Table 4 Caribou Mitigation Measures During Construction	B34-2 (A3Z0V7)	Planned	Construction		Environmental Planner
33	NEB	Environmental Matters	NGTL will schedule the aerial surveys for the Caribou Mitigation Monitoring Plan to occur between July 15 and August 15 in order to avoid conflict with the hunting seasons.	Preliminary Caribou Mitigation Monitoring Plan, Table 1 Regulatory Consultation and Concordance Tracking for the PCMMMP	B34-2 (A3Z0V7)	Planned	Post-construction		Environmental Planner
34	SFN	Environmental Matters	NGTL would be willing commit to provide information to workers on the project regarding the sensitivity of the Area of Critical Community Interest (ACCI) and the Peace Moberly Tract (PMT).	Information Request Responses to SFN-Part4	B23-17 (A3Y0G8)	Planned	Pre-Construction		Environmental Planner
35	NEB	Design Matters	Launching and receiving facilities for In-Line Inspection (ILI) will be installed to make the pipeline fully piggable - a launcher near the Kahta Creek North Receipt meter station and a receiver near the existing Saturn meter station.	NEB Application Section 1. Project Overview: 1.3 Main Project Components	B1-3 (A3Q6S5)	Planned	Pre-Construction/ Construction		Construction Manager, Project Engineer
36	NEB	Safety Matters	Inspections will be performed between construction and operations to check for construction related damage. In the first year of operation, NGTL will inspect through ILI to establish baseline integrity data. A plan will be developed for future integrity assessments and will be implemented/reviewed on an annual basis during operations.	NEB Application Section 1. Project Overview: 1.10 Pipeline Integrity Management	B1-3 (A3Q6S5)	Planned	Post-Construction		Construction Manager, Project Engineer; Pipe Integrity
37	NEB	Safety Matters	NGTL will develop a Safety Management Plan (SMP) that provides the Prime Contractor with a minimum level of awareness of potential construction hazards associated with the project - the SMP outlines key safety guidelines.	NEB Application Section 7. Pipeline: 7.3.8 Construction Safety	B1-10 (A3Q6T2)	In Progress	Pre-Construction		Project Manager
38	NEB	Environmental Matters	In the Application, NGTL committed to file geotechnical assessments of the compressor station sites by the end of Q1 2014. With the recent issuance of the NEB's Hearing Order on February 5, 2014, these filings will now be included in Additional Written Evidence to be filed in April.	Project Update, Section 4.2: Compressor Station Geotechnical Assessments	B8-2 (A3V1T0)	Complete	Pre-Construction	Submitted in AWE, Appendices 5-2, 5-3, and 5-4, Exhibits B13-11, B13-12 and B13-13.	Project Engineer
39	NEB	Environmental Matters	File the findings of air and noise modelling that was conducted at the proposed NE-34 and SW-35 locations for Groundbirch Compressor Station.	Project Update, Section 4.1.2: Groundbirch	B8-2 (A3V1T0)	Complete	Pre-Construction	Submitted in AWE, Appendix 7-7, Sub Appendices D, E, F (Exhibits B13-20, B13-24, B13-25 and B13-26)	Environmental Planner
40	NEB	Environmental Matters	Ground truthing study would be undertaken to delineate muskeg deposits and isolated patches of permafrost.	NEB Application Section 7, Pipeline	B1-10 (A3Q6T2)	Complete	Pre-Construction	Update provided in response to NEB 2.12 (Exhibits B10 and B10-1)	Project Engineer
41	NEB	Engineering Matters	NGTL will provide the feasibility study completed as part of the geotechnical investigation that was completed at the Sikanni Chief River crossing.	Additional Written Evidence, Section 4.3 Horizontal Directional Drills	B13-1 (A3W1J6)	Complete	Pre-Construction	Feasibility study submitted on June 3, 2014 (Exhibits B20-1 and B20-2)	Project Engineer
42	NEB	Design Matters	NGTL will develop a hydrostatic test plan during detailed design. Field pressure testing program, as required by the NEB Onshore Pipeline Regulations, will be provided 14 days prior to pressure testing.	NEB Application Section 7.3.15	B1-10 (A3Q6T2)	In Progress	Pre-Construction		Construction Manager, Environmental Planner
43	NEB	Construction Matters	NGTL will provide a detailed plan for the Section 58 ROW preparation activities.	NEB Application Section 7.3.3	B1-10 (A3Q6T2)	Complete	Pre-Construction	Submitted in AWE Appendix 4-7 (Exhibit B13-9)	Project Manager

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44	NEB	Construction Matters	After the Board has issued a Certificate for the entire Project and Order for the Section 58 activities, NGTL will file the following documents for the Section 58 activities: <ul style="list-style-type: none"> • Commitments Tracking Table • Environmental Protection Plan • Construction Safety Manual • Security Management Plan 	Additional Written Evidence, Section 4.6: Detailed Section 58 ROW Preparation Plan	B13-1 (A3W1J6)	Complete	Pre-Construction	NGTL filed the documents listed below for the Section 58 activities on November 14, 2014: <ul style="list-style-type: none"> • Commitments Tracking Table • Environmental Protection Plan and Alignment Sheets • Construction Safety Manual • Security Management Plan 	Regulatory
45	NEB	Design Matters	NGTL will make the Groundbirch Mainline and Groundbirch Mainline (Saturn Section) piggable and will run a baseline in-line inspection within the next five years or prior to the commencement of bi-directional operation, whichever is sooner.	NEB IR #4 Response 4.2 (Engineering Matters)	B27-1 (A3Y5Q8)	Planned	Post-Construction		Project Manager; Pipe Integrity
46	NEB	Engineering Matters	NGTL will provide the Phase 1 and Phase 2 NMML Geologic Hazards Report.	NEB IR Response 2.28 (a)	B10-1 (A3V4S2)	Complete	Pre-Construction	Submitted as attachments to the response to NEB 4.7 (Exhibits B27-1, B27-2 and B27-3)	Project Engineer
47	NEB	Engineering Matters	NGTL will provide the hydrotechnical assessment for the Kahta Section.	NEB IR Response 2.28 (b)	B10-1 (A3V4S2)	Complete	Pre-Construction	Submitted as attachment to the response to NEB 4.7 (Exhibits B27-1 and B27-4)	Project Engineer
48	NEB	Aboriginal Engagement Matters	Camp and Catering Services, Right of Clearing and Hauling, Medical Services, and Security Services are activities that NGTL has been designated for qualified Aboriginal business and Aboriginal partnerships.	NEB IR #4 Response 4.10 (Socio-Economic Matters)	B27-1 (A3Y5Q8)	Complete	Pre-Construction/ Construction	RFPs for Camp and Catering Services and Right of Way Clearing and Hauling were issued and are closed. Conditional awards for Camp and Catering Services have been issued to successful Aboriginal partnerships. Award of clearing, medical, and security opportunities will be awarded by the general contractor.	Aboriginal Contracts Advisor
49	NEB	Aboriginal Engagement Matters	Following the contract award, the successful Prime Contractors, with the support of NGTL, will work with the local Aboriginal communities to identify qualified contractors and workers that might be interested in working on the Project. NGTL also expects the contractor, as part of the Contractor Aboriginal Strategy, to identify opportunities for on the job training, to help facilitate individuals from Aboriginal communities entering into some of the roles identified in the attached TransCanada Construction Employment and Opportunity Role Description. NGTL will ensure Project commitments related to Aboriginal hiring and business procurement under the direction of the prime construction contractor are met through regular reporting and tracking of these commitments throughout construction.	NEB IR #4 Response 4.10 (Socio-Economic Matters)	B27-1 (A3Y5Q8)	Planned	Pre-Construction		Project Manager and Aboriginal Contracts Advisor
50	NEB	Environmental Matters	NGTL has committed to FLNRO to implement the Pine River Dunes routing and Reclamation Plan, included in Attachment NEB 6.2-2.	Response to NEB IR 6.2 (Socio-Economic Matters)	B65-1 (A4D6T0)	Planned	Construction/ Post-Construction		Environmental Planner
51	NEB	Environmental Matters	NGTL will reduce potential effects on air quality by designing into the proposed compressor units mitigation and adaptive management measures where economically reasonable.	Response to IR BC MNGD 1.3 A3W1L9, App 7-7 Sub Appendix D Groundbirch Air TDR, Executive Summary, page "v," last sentence. A3W1Q0, App 7-7 Sub Appendix E Saturn (Units 1& 3) Air TDR, Executive Summary, page "v," last sentence.	B23-5 (A3Y0F6)	Complete	Pre-Construction	During compressor unit selection and design, NGTL specifically included sizing smaller units to facilitate a variety of flow scenarios in place of one large unit. Other measures included selecting an electric start package to minimize venting in lieu of a gas pneumatic start and incorporating pressurized hold logic to minimize emissions. NGTL will address any changes to air quality requirements or equipment emissions to maintain operating equipment within their commissioned performance levels.	Environmental Planner
52	NEB	Environmental Matters	NGTL will file supplemental environmental studies on the route changes identified in AWE Appendix 7-7. These environmental studies will confirm desktop conditions.	Response to BRFN IR 1.16 (Routing)	B23-6 (A3Y0F7)	Complete	Pre-Construction	Filed supplemental studies on June 26, 2014. Submitted in filing June 26, 2014 (Ex. B28 (A61328) - B28-1, B28-2, B28-3, B28-4, B28-5, B28-6).	Environmental Planner

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53	NEB	Environmental Matters	NGTL will apply stringent mitigation measures (identified in Tables 6-2 and 6-3 of the Stantec Air and Noise Assessment) for the SW 35 Groundbirch Compressor Station site to further reduce sound levels. NGTL will also investigate ways to minimize compressor station light impacts. Commitment made to William Brooke and Danielle Cobbaert.	Brooke IR Response 4	B23-7 (A3Y0F8)	Ongoing	All Stages		Project Manager, Environmental Planner
54	NEB	Environmental Matters	NGTL will provide information to workers on the project regarding the sensitivity of the Peace Moberly Tract (PMT) and the Area of Critical Community Interest (ACCI). NGTL will not commit to prohibiting workers from participating in legal hunting & fishing activities outside of working hours.	SFN IR Response 8.1 Traditional Harvesting, part "(n)"	B23-17 (A3Y0G8)	Planned	Construction		Environmental Planner
55	NEB	Safety Matters	NGTL will prohibit firearms at camps and the worksite as a condition of Project approval, with the exception of designated personnel, who are lawfully and licensed and qualified to carry a firearm for the purpose of provided defense against dangerous wildlife, if considered necessary to ensure worker safety.	SFN IR Response 8.1 Traditional Harvesting (o)	B23-17 (A3Y0G8)	Planned	Construction		Project Manager
56	NEB	Environmental Matters	NGTL will reclaim temporary access roads, as necessary, and as soon as practical, upon completion of final pipeline ROW cleanup. Natural recovery is preferred for revegetation on level terrain where erosion is not expected.	SFN IR Response 9.1 Temporary Access (a)	B23-17 (A3Y0G8)	Planned	Post-Construction		Environmental Planner
57	NEB	Construction Matters	After construction and before putting a pipeline in-service, NGTL will pressure test the pipeline, followed by an in-line inspection (ILI) using a caliper inspection tool to identify any pipe deformation that may have occurred during construction. In the first year of operations, NGTL will again inspect the pipe through ILI to establish baseline integrity data. Based on the results of this inspection, and drawing on available construction and environmental information, a plan will be developed for future integrity assessments.	SFN 3.1 Ruptures, part "(b)"	B38-7 (A3Z6X9)	Planned	Post-Construction		Construction Manager; Pipeline Integrity
58	NEB	Safety Matters	NGTL will adopt the TransCanada Leak Detection and Repair (LDAR) Program to manage fugitive emissions.	WMFN 2.23	B38-9 (A3Z6Y1)	Planned	Post-Construction		Operations
59	NEB	Stakeholder Matters	NGTL will also work with local health and social service providers to share project information, discuss potential effects, and support service delivery where project-related effects might exist.	WMFN 2.49 Community Health	B38-9 (A3Z6Y1)	Ongoing	All Stages		Project Manager; Community Relations Advisor
60	NEB	Aboriginal Engagement Matters	NGTL will ensure Project commitments related to Aboriginal hiring and business procurement under the direction of the prime construction contractor are met through regular reporting and tracking of these commitments throughout construction.	DTFN 1.2, 1.2.5	B23-8 (A3Y0F9)	Planned	Construction		Project Manager
61	NEB	Stakeholder Matters	In consultation with affected municipalities, the only concerns about traffic were raised by the City of Fort St. John. The City of Fort St. John asked about logistical details, estimated traffic, roads that will be used and how camps will be moved in. Concerns presented by the City of Fort St. John were not addressed by the standard mitigation measures in the Traffic Control Management Plan. The City of Fort St. John's concerns are outstanding. Additional consultation will be undertaken by the Contractor who will implement, refine and optimize the Traffic Control Management Plan.	NEB 3.6	B23-3 (A3Y0F3)	In Progress	Pre-Construction	NGTL met with the City of Fort St. John in November 2015 to discuss traffic. NGTL agreed to a follow-up meeting with the City of Fort St. John to discuss traffic routes and any potential overlap between the Project's activities and Site C once the traffic routes for the Project are refined. NGTL also committed to reviewing traffic route plans with Fort St. John community services stakeholders.	Project Manager, Construction Manager
62	NEB	Aboriginal Engagement Matters	NGTL will provide advance notification to Aboriginal communities detailing the construction schedule, locations of the construction work, and notification once construction is complete.	SFN 8.1 (k)	B23-17 (A3Y0G8)	Ongoing	Pre-Construction/ Post-Construction		Engagement Lead

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63	NEB	Aboriginal Engagement Matters	In addition to the methods outlined in the responses to SFN 41.1b, c), once NGTL awards the contract, the successful prime contractors (with the support of NGTL) will work with the local Aboriginal communities to identify qualified contractors and workers that may be interested in working on the project. NGTL monitors the prime contractor to ensure project commitments related to Aboriginal hiring and business procurement under the direction of the prime contractor are met through regular reporting and tracking of these commitments throughout construction.	SFN 41.1 (e)	B23-17 (A3Y0G8)	Planned	Pre-Construction/ Construction		Project Manager, Engagement Lead, Aboriginal Contracts Advisor
64	NEB	Aboriginal Engagement Matters	Following the contract award, the successful prime contractor, with the support of NGTL, will work with the local Aboriginal communities to identify qualified contractors and workers that may be interested in working on the project. NGTL will ensure project commitments related to Aboriginal hiring and business procurement under the direction of the prime construction contractor are met through regular reporting and tracking of these commitments throughout construction.	SFN 42.1 (g)	B23-17 (A3Y0G8)	Planned	Pre-Construction/ Construction		Project Manager, Engagement Lead, Aboriginal Contracts Advisor
65	NEB	Engineering Matters	TransCanada will undertake an audit to confirm the compliance of its upstream customers overpressure protection plan (OPP) processes and facilities for a number of different situations, and includes the scope and frequency, as described below: <ul style="list-style-type: none"> • TransCanada has mandated that all new and upgraded meter station customer OPP systems and devices are reviewed and accepted as conforming to CSA Z662-11. • TransCanada will not permit a new or upgraded receipt meter station to be available for service until OPP information has been reviewed, verified and accepted as meeting CSA Z662-11. 	NEB 2.10	B10-1 (A3V4S2)	Planned	Construction/ Post-Construction		Project Manager; Operations
66	NEB	Stakeholder Matters	NGTL will continue to engage with Tracks BC & High Prairie Outfitters.	NEB 2.14	B10-1 (A3V4S2)	Ongoing	All Stages	On September 19, 2013, the owner of Tracks BC & High Prairie Outfitters indicated that he has concerns with the Project. Concerns identified related to the level of helicopter activity that occurred during the geotechnical investigate work as certain hunting activities were disrupted. The issues were resolved as a result of an in-person meeting that took place. NGTL will continue to engage with Tracks BC & High Prairie Outfitters.	Land Representative
67	NEB	Aboriginal Engagement Matters	NGTL will continue to share Project information and follow up with SFN on any concerns or questions raised and economic opportunities.	NEB 2.15	B10-1 (A3V4S2)	Ongoing	All Stages		Engagement Lead
68	NEB	Aboriginal Engagement Matters	NGTL will continue to share Project information and follow up with WMFN on any concerns or questions raised and economic opportunities	NEB 2.15	B10-1 (A3V4S2)	Ongoing	All Stages		Engagement Lead
69	NEB	Stakeholder Matters	NGTL will continue to work with the Landowner during the ROW negotiations to determine the most adequate mitigation measures to ensure there are no negative impacts to access road.	NEB 2.17	B10-1 (A3V4S2)	Complete	Pre-Construction	Landowner acquired and compensated for impact to access road.	Land Representative
70	NEB	Engineering Matters	NGTL will conduct detailed geotechnical investigation on trenched slopes where signs of instability have been identified from desktop studies; the results of the investigation will be made available to NEB, as confirmed in NEB IR 2.28(a). Micro-rerouting may be applied where possible to avoid the pipeline traversing known unstable areas. Care will be taken during construction to avoid reactivating old slides. Seepage and surface run-off management measures including ditch plugs and diversion berms will be installed following TransCanada's technical standard to minimize the potential of erosion. The performance of the mitigation measures will be monitored during operation.	NEB 2.28	B10-1 (A3V4S2)	Ongoing	All Stages	Geologic Hazard reports submitted as attachments to the response to NEB 4.7 (Exhibits B27-1, B27-2 and B27-3)	Project Engineer, Construction Manager

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71	NEB	Safety Matters	NGTL plans to have the Site Specific Safety Plans for each construction spread ready to be filed prior to the planned start of each construction spread. Upon request, NGTL will provide WMFN with copies of these filings. NGTL does plan to file its Construction Safety Manual (also referred to as a Site Specific Safety Plan) for the Section 58 activities prior to the close of the hearing as committed in Additional Written Evidence [NEB Filing: A3W1J6]. Due to the small scope of these activities, NGTL will develop this plan and include it as a requirement to the Prime Contractor once selected. An Emergency Response Plan is a component of the Site Specific Safety Plan. Upon request, NGTL will provide WMFN with a copy of this filing. NGTL notes that this plan will only include temporary infrastructure which is proposed to be off the right-of-way. For the operation phase of the Project, NGTL plans to develop an Emergency Response Plan prior to each section being placed in-service. As stated in its response to WMFN 2.57, NGTL will offer to meet with WMFN to discuss this Emergency Response Plan prior to placing the pipeline in-service.	WMFN 2.57	B38-9 (A3Z6Y1)	In Progress	Pre-Construction		Project Manager, Construction Manager
72	NEB	Aboriginal Engagement Matters	NGTL is willing to commit to meeting with WMFN to provide an overview of the pipeline monitoring and response plans that will be put in place for the Project once they are developed.	WMFN 2.57	B38-9 (A3Z6Y1)	Planned	All Stages		Engagement Lead
73	NEB	Safety Matters	NGTL is willing to commit to meeting with WMFN to provide an overview of the pipeline monitoring and response plans that will be put in place.	WMFN 2.59	B38-9 (A3Z6Y1)	Planned	All Stages		Engagement Lead
74	NEB	Stakeholder Matters	Commitment to review routing through meetings with surveyors, land agents and landowners.	NEB Application Table 11-2 Summary of Landowner Consultation	B1-14 (A3Q6T6)	Ongoing	All Stages		Land Representative
75	NEB	Stakeholder Matters	Commitment to settle any damages as a result of access.	NEB Application Table 11-2 Summary of Landowner Consultation	B1-14 (A3Q6T6)	Ongoing	Post-Construction		Land Representative
76	NEB	Aboriginal Engagement Matters	SFN has requested a presentation on the results of the geotechnical work and NGTL has committed to providing the information to SFN when the study results are complete.	NEB 2.15	B10-1 (A3V4S2)	Complete	Pre-Construction	NGTL emailed SFN on June 25, 2015 stating that engagement records show SFN had previously inquired about the geotechnical information and to confirm if SFN is still interested in receiving this information. A response has not been received by NGTL from SFN to date.	Engagement Lead
77	NEB	Stakeholder Matters	A Technical Assessment of crossing locations and measures was undertaken in 2012 to inform routing at the Peace River (Peace Boudreau). TransCanada committed to providing the Technical Assessment document to BC Ministry of Natural Gas Development.	Additional Written Evidence Appendix 7-1	B13-14 (A3W1K9)	Complete	Pre-Construction	NGTL provided the Technical Assessment to BC MNGD by email. MNGD acknowledged receipt and subsequently a letter of support for the proposed route was received from MFLNRO on behalf of the province on May 26, 2014.	Project Manager
78	NEB	Stakeholder Matters	TransCanada committed to provide the Geotechnical Feasibility Study for the Peace River with the agencies on the call. It is expected to be completed and filed with the NEB in April 2014.	Additional Written Evidence Appendix 7-1	B13-14 (A3W1K9)	Complete	Pre-Construction	Geotechnical Feasibility Study filed in AWE, Ex. B13-6, Appendix 4-4, which was provided to the agencies who were on the call.	Project Manager, Project Engineer
79	NEB	Stakeholder Matters	NGTL will shift the Groundbirch compressor station location southwest by 45–50 m to reduce visual and noise impact on the Brooke/Cobbaert property.	Reply Evidence Section 5.4	B49-1 (A4A9Q5)	Complete	Pre-Construction/ Construction		Project Manager
80	NEB	Stakeholder Matters	NGTL will ensure that access to the Groundbirch compressor station will come from the west, away from the Brooke/Cobbaert property and the SW-35 site.	Reply Evidence Section 5.4	B49-1 (A4A9Q5)	Complete	Pre-Construction/ Construction		Project Manager
81	NEB	Stakeholder Matters	NGTL will retain the tree line between the Brooke/Cobbaert property and the SW-35 site.	Reply Evidence Section 5.4	B49-1 (A4A9Q5)	Ongoing	Construction		Project Manager, Construction Manager

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82	NEB	Stakeholder Matters	NGTL has started a baseline noise monitoring program on the Reaume's property. The results of this study will be provided to the Reaume's upon completion.	Reply Evidence Section 5.4	B49-1 (A4A9Q5))	Complete	Pre-Construction		Environmental Planner
								Commitment 83 has been removed as it duplicates Commitment 112.	
84	NEB	Aboriginal Engagement Matters	Information gathered for culturally important vegetation resources (both vegetation and wetlands) identified along the Aitken Creek and Kahta sections as identified in Table 2-3, 2-6, and 2-7 from the TERA 2014 Supplemental Traditional Knowledge Report (Attachment B) will be identified in the final EPP and EAS, as appropriate, and existing mitigation measures applied.	Supplemental Traditional Knowledge Report, PDF Pages 16, 17, 28, 29 and 30	B41-3 (A3Z7V1)	Complete	Pre-Construction		Environmental Planner
85	NEB	Environmental Matters	<ul style="list-style-type: none"> The Sikanni Chief River valley was identified as range for mountain goat. Five mineral licks were identified in association with the survey area. Two large stick nests were observed along the proposed Project route. Two bear dens were observed. These environmental features will be identified in the final EPP and EAS, as appropriate and existing mitigation measures applied.	Supplemental Traditional Knowledge Report, PDF Page 3	B41-3 (A3Z7V1)	Complete	Pre-Construction	These environmental features will be incorporated into the Environmental Protection Plan for the Project which will be submitted prior to construction. Refer to Condition 14 – Environmental Protection Plan and Environmental Alignment Sheets (A72124) filed on August 18, 2015.	Environmental Planner
86	NEB	Environmental Matters	As archaeological and aquatic biophysical field studies have continued after June 20, 2014, an additional supplemental Traditional Knowledge Report will be filed with the NEB in October 2014	Supplemental Traditional Knowledge Report, PDF Page 4	B41-3 (A3Z7V1)	Complete	Pre-Construction		Environmental Planner
87	NEB/ DTFN/ MNBC/ HLFN/ KLFN/ KLCN/ KLMSS/ MLIB/ SFN/ NEMA/ WMFN/ BRFN/ DRFN/ HRFN/ PRFN/ FNFN	Aboriginal Engagement Matters	Additional issues of concern, traditional use sites or features identified through ongoing engagement will be considered for incorporation into Project planning, including the EPP and the EAS, as appropriate. The results of these ongoing engagement efforts will be provided to the NEB through monthly Aboriginal consultation updates.	Supplemental Traditional Knowledge Report, PDF Pages 41, 42, and 43	B41-3 (A3Z7V1)	Ongoing	All Stages	All TLU information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015. Any TLU locations that are identified during construction are subject to the TLU Sites Discovery Contingency Plan which is found in the EPP, Appendix 1E.	Engagement Lead, Environmental Planner
88	NEB	Environmental Matters	Potential disturbance to archaeological sites will be addressed through the Archaeological Impact Assessment (AIA) for the proposed Project. If archaeological sites or artifacts not previously identified are found on the ROW or facility site during construction, follow conditions outlined in the Heritage Resource Discovery Plan (Appendix 1E of the EPP).	Supplemental Traditional Knowledge Report, PDF Page 23	B41-3 (A3Z7V1)	Ongoing	Pre-Construction/ Construction		Environmental Planner
89	NEB	Aboriginal Engagement Matters	In the event that additional sites requiring mitigation are identified through ongoing third-party TLU studies prior to and/or during construction, the accepted and proven mitigative strategies outlined in this Supplemental Traditional Knowledge Report and in the TLU Sites Discovery Contingency Plan will be implemented.	Supplemental Traditional Knowledge Report PDF Page 8	B41-3 (A3Z7V1)	Ongoing	All Stages	All TLU information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015. Any TLU locations that are identified during construction are subject to the TLU Sites Discovery Contingency Plan which is found in the EPP, Appendix 1E.	Engagement Lead, Environmental Planner
90	NEB	Environmental Matters	Once the presence and use of a mineral lick has been verified, NGTL will review potential Project interactions and the need for mitigation.	Response to Motion from West Moberly First Nations	B48-1 (A4A8X8)	Complete	Pre-Construction	All mineral lick information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015.	Environmental Planner
91	NEB	Environmental Matters	NGTL recognizes that fossils may be present in other areas and will implement the Heritage Resource Discovery Contingency Plan if a paleontological resource is encountered during construction.	Response to Motion from West Moberly First Nations	B48-1 (A4A8X8)	Planned	Construction		Environmental Planner

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92	NEB	Environmental Matters	If a mineral lick is within the 100 m setback, and the construction period overlaps the May to November timing window, NGTL will consider options for either: a) delaying construction in that area; b) narrowing the PDA to the extent practical to achieve the 100 m setback distance, or c) micro-routing around the mineral lick. If adherence to the 100 m setback is not possible following these considerations, NGTL will submit a Best Management Practices Deviation request to the BC Oil and Gas Commission (BC OGC), in accordance with the BC OGC Environmental Protection and Management Guide (BC OGC 2015). As stated in the Guide, the deviation request will include: a) rationale for choosing the alternative practice; b) site-specific wildlife habitat information, and c) description of the operational activities that will mitigate impacts to the wildlife features values. This detailed mitigation planning will incorporate site specific and timing of construction considerations.	Response to Motion from West Moberly First Nations	B48-1 (A4A8X8)	Complete	Pre-Construction	Mitigation for mineral licks was submitted to the OGC in the Pipeline applications and included in the EPP and EAS.	Environmental Planner
93	NEB	Environmental Matters	As the biologically sensitive periods of breeding birds and western toad overlap, most potential adverse effects on breeding western toad will be avoided through NGTL's commitment to avoid clearing and construction activities during the migratory breeding bird window to the extent feasible. However, if these activities are scheduled to occur when western toad are most vulnerable to adverse effects (e.g., during post-breeding dispersal in proximity to breeding wetlands), NGTL will complete additional surveys and implement additional mitigation measures. These measures may include the use of drift fencing to safely direct toads across the ROW or to exclude them from a work area, or salvage and relocation (i.e., human-assisted crossing). Prior to implementing these additional measures, NGTL will consult with the BC Ministry of Environment and will obtain any necessary permits or approvals.	NGTL Reply Evidence, PDF Page 58	B49-1 (A4A9Q5)	Planned	Pre-Construction		Environmental Planner
94	NEB	Environmental Matters	NGTL commits to avoid the key nesting period for migratory birds, where feasible. In addition, NGTL has developed a Breeding Bird and Nest Management Plan (BBNMP) in accordance with guidance provided by Environment Canada on incidental take. Essential to the BBNMP is a mitigation framework that outlines key steps to follow during clearing or construction, regardless of time of year. The BBNMP will be appended to the final EPP filed with the NEB prior to construction.	NGTL Reply Evidence, PDF Page 59	B49-1 (A4A9Q5)	Planned	Pre-Construction	The BBNMP is included in the EPP currently on file with the NEB.	Environmental Planner
95	NEB	Environmental Matters	NGTL has committed to adhere to avoidance of key timing windows for migratory birds to the extent feasible. Where adherence is not possible, NGTL will implement additional mitigation as described in the BNMMP. All identified bird nests will be ascribed a nest-specific setback and timing restriction for the purpose of preventing destructive or disruptive activities. If the construction phase overlaps with the breeding period for trumpeter swan, NGTL will adhere to the OGC's 200 m setback from active nests.	NGTL Reply Evidence, PDF Page 60	B49-1 (A4A9Q5)	Planned	Construction		Environmental Planner
96	NEB	Environmental Matters	NGTL has committed to undertake wetland post-construction monitoring in the EPP. 16 Should any alteration or impedance to the natural surface hydrology be noted during this program remedial measures will be recommended and implemented as soon as feasible in consultation with appropriate regulatory agencies. In addition, preconstruction baseline wetland function rankings for wetlands permanently affected by construction will be completed to inform compensation/offsetting approaches to comply with the federal policy on no-net-loss of wetland function.	NGTL Reply Evidence, PDF Page 62	B49-1 (A4A9Q5)	Planned	Post-construction		Environmental Planner

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97	NEB	Environmental Matters	If wetland function does not recover from baseline conditions following post construction monitoring, compensation/offset options and approaches will be discussed with the appropriate regulatory agency for these specific cases. A wetland compensation/offset plan will be developed and implemented at that time, if required.	NGTL Reply Evidence, PDF Page 63	B49-1 (A4A9Q5)	Planned	Post-construction		Environmental Planner
98	NEB	Aboriginal Engagement Matters	NGTL has reviewed the findings of the initial BRFN/ PRFN/ SFN/ WMFN TLU results in the context of the ESA and has determined that the significance conclusions of the ESA with regard to TLRU remain unchanged by the initial results of the BRFN/ PRFN/ SFN/ WMFN TLU for the Project. In the event TLU sites are identified during ongoing engagement and/or construction, the TLU Sites Discovery Contingency Plan will be implemented (Appendix N of the ESA) to mitigate effects of the Project on these sites.	NGTL Reply Evidence, PDF Pages 46, 48, 50 and 51.	B49-1 (A4A9Q5)	Ongoing	All Stages	All TLU information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015. Any TLU locations that are identified during construction are subject to the TLU Sites Discovery Contingency Plan which is found in the EPP, Appendix 1E.	Engagement Lead, Environmental Planner
99	NEB	Environmental Matters	As indicated in response to information request BRFN 1.18 NGTL will document the occurrence of western toad, including breeding and dispersal areas, through the Wildlife Species of Concern Discovery Contingency Plan.	NGTL Reply Evidence, PDF Page 58	B49-1 (A4A9Q5)	Planned	Construction		Environmental Planner
100	NEB	Environmental Matters	With respect to yellow rail - Should new information be made available to NGTL, or if NGTL discovers the species through its Wildlife Species of Concern Discovery Contingency Plan, the information will be reviewed to determine if additional mitigation is required.	NGTL Reply Evidence, PDF Page 60	B49-1 (A4A9Q5)	Planned	Pre-Construction/ Construction		Environmental Planner
101	NEB	Environmental Matters	With respect to Trumpeter swans - NGTL has, and will continue to, identify nest locations using third-party data and mitigate potential Project effects through implementation of the Wildlife Species of Concern Discovery Contingency Plan as required.	NGTL Reply Evidence, PDF Page 61	B49-1 (A4A9Q5)	Planned	All Stages		Environmental Planner
102	NEB	Environmental Matters	If a wildlife species of concern is discovered in close proximity to construction activities, construction will be temporarily delayed to allow safe and normal passage of the individuals.	NGTL Reply Evidence, PDF Page 63	B49-1 (A4A9Q5)	Planned	Construction		Environmental Planner
103	NEB	Environmental Matters	For a habitat feature that is within setbacks but not on the development, construction may be temporarily delayed or rescheduled (if the feature is active). If the habitat feature is within a recommended setback or on the Project development area, micro-routing around the feature or narrowing the Project development area to increase setback distance will be considered. If avoidance is not possible, NGTL will consult with the appropriate regulatory agency for additional guidance.	NGTL Reply Evidence, PDF Page 63	B49-1 (A4A9Q5)	Planned	Construction		Environmental Planner
104	NEB	Stakeholder Matters	Response to Landowner (Reaume) - NGTL is working with its consultants to plan for a local Baseline Noise Monitoring program and will update local stakeholders as this program is finalized.	NGTL Reply Evidence, PDF Page 130	B49-1 (A4A9Q5)	Complete	Pre-Construction		Environmental Planner, Land Representative
105	NEB	Stakeholder Matters	In April 2014, BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) identified concerns about the pipeline route passing through the Pine River Dunes within the Septimus 04 Old Growth Management Area (OGMA). In August 2014, NGTL met with MFLNRO and the BC Oil and Gas Commission (OGC), and both agencies requested avoidance of the dune features. Since that meeting, NGTL has developed a plan, relying on micro-routes and various construction techniques, to largely avoid the dune features within the OGMA, and to minimize and mitigate effects where avoidance was not feasible. The micro-reroute decreases the amount of intrusion into the Septimus 04 OGMA from 20.2 ha to 18.50 ha or 46.3 % of the allowable 40 ha minor intrusion threshold. NGTL will continue to work with MFLNRO and OGC to refine the plan as necessary to address MFLNRO's and OGC's concerns.	NGTL Project Update	B50-1 (A4A9U4)	Ongoing	Pre-Construction		Environmental Planner

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106	NEB	Environmental Matters	With respect to potential effects on hunting, gathering and sacred areas (e.g., through increased access to ATV and non-community hunters) - NGTL will install access-control measures to deter access along the Project ROW and around other Project features, including locations south of the Peace River. NGTL will also reclaim temporary access roads and shooflies, and remove temporary bridges at watercourse crossings.	NEB IR No.5 Responses, IR 5.11	B52-1 (A4C3A2)	Planned	Post-Construction		Environmental Planner
107	NEB	Aboriginal Engagement Matters	In the event TLU sites are identified during ongoing engagement and/or construction, the TLU Sites Discovery Contingency Plan will be implemented (Appendix 1E of the EPP) to mitigate effects of the Project on these sites.	NGTL Reply to PRFN and WMFN Supplemental Evidence	B53-1 (A4C4Z7)	Ongoing	All Stages	All TLU information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015. Any TLU locations that are identified during construction are subject to the TLU Sites Discovery Contingency Plan which is found in the EPP, Appendix 1E.	Engagement Lead, Environmental Planner
108	NEB	Environmental Matters	NGTL will continue to work with Environment Canada, the BC Ministry of Forests, Lands and Natural Resource Operations, the BC Oil and Gas Commission, and interested First Nations on the development and implementation of these Plans. The Preliminary Caribou Habitat Restoration Plan (CHRP). The Final CHRP will include consultation and engagement summary tables that reflect issues, concerns, and recommendations raised during the consultation and engagement process. The Final CHRP will also include a discussion of how those issues, concerns, and recommendations were integrated into the final plans, or explain why where they could not be.	NGTL Reply to PRFN and WMFN Supplemental Evidence	B53-1 (A4C4Z7)	Ongoing	All Stages		Environmental Planner
109	HRFN	Aboriginal Engagement Matters	NGTL has committed to provide HRFN with restoration drawings for watercourse crossings when they are completed.	Aboriginal Engagement Update – August and September 2014	B46-1 (A4A6X6), B54-1 (A4C5V4)	Complete	Pre-Construction	Restoration drawings for watercourse crossings to HRFN via email on July 14, 2015.	Engagement Lead
110	PRFN	Environmental Matters	On August 27, 2014, NGTL and PRFN Land Manager undertook a site visit and flyover of the currently proposed Sikanni Chief River water crossing. PRFN observed that the crossing appeared to be a good location for a pipeline crossing. A small mineral lick on the south side of the river in a natural clearing was identified. NGTL agreed the lick would be flagged off prior to construction of the right-of-way to avoid disturbance.	Aboriginal Engagement Update – September 2015	B54-1 (A4C5V4)	Planned	Pre-Construction		Environmental Planner
111	NEB	Aboriginal Engagement Matters	If BRFN completes additional TLU studies after the hearing for the Project, NGTL has committed to BRFN to incorporate the findings of those studies into the Project planning, including the final EPP and the EAS, to the extent feasible.	NGTL Letter to NEB – Response to BRFN Notice of Motion	B57-1 (A4C7Z2)	Complete	Pre-Construction	Refer to Condition 7 – Outstanding Traditional Land Use (A4R8I4) filed on July 30, 2015 and Condition 14 – Environmental Protection Plan and Environmental Alignment Sheets (A72124) filed on August 18, 2015.	Engagement Lead, Environmental Planner
112	NEB	Environmental Matters	Additional environmental features identified from the supplemental report will be added to the final Environmental Protection Plan (EPP) and environmental alignment sheets (EAS), as appropriate and existing mitigation measures applied.	North Montney Supplemental TK Report, PDF Page 3	B60-1 (A4D1L8) B41-3 (A3Z7V1)	Complete	Pre-Construction	Refer to Condition 14 – Environmental Protection Plan and Environmental Alignment Sheets (A72124) filed on August 18, 2015.	Environmental Planner
113	NEB	Environmental Matters	Information gathered for culturally important vegetation resources (both vegetation and wetlands) identified along the Aitken Creek and Kahta sections as identified in Table 2-2 and 2-5 (Attachment A) will be identified in the final EPP and EAS, as appropriate, and existing mitigation measures applied.	North Montney Supplemental TK Report, PDF Page 3	B60-1 (A4D1L8)	Complete	Pre-Construction	The culturally important vegetation resources identified along the Aitken Creek and Kahta sections will be incorporated into the Environmental Protection Plan for the Project which will be submitted prior to construction.	Environmental Planner
114	NEB	Aboriginal Engagement Matters	In the event that additional sites requiring mitigation are identified through ongoing third-party TLU studies prior to and/or during construction, the accepted and proven NGTL proposed mitigation measures outlined in this Supplemental Traditional Knowledge Report and in the TLU Sites Discovery Contingency Plan (Appendix 1E of the EPP) will be implemented.	North Montney Supplemental TK Report, PDF Page 44	B60-1 (A4D1L8)	Ongoing	All Stages	All TLU information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015. Any TLU locations that are identified during construction are subject to the TLU Sites Discovery Contingency Plan which is found in the EPP, Appendix 1E.	Engagement Lead, Environmental Planner

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115	NEB	Environmental Matters	Participants are concerned that the RCMP trail will be damaged, since it crosses the pipeline right-of-way and requested avoidance of the trail. The mitigation strategies to reduce effects to heritage resources were discussed with participants in the field and include: taking a detailed recording and mapping of the trail to within 100 m on both sides of the pipeline right-of-way; in partnership with the community representatives a decision is then made about the relative importance of the trail and if warranted how to best maintain and control access.	North Montney Supplemental TK Report, PDF Page 26	B60-1 (A4D1L8)	Planned	Pre-Construction		Environmental Planner
116	NEB/ BRFN/ DTFN/ DRFN/ FNFN/ MNBC/ HRFN/ HLFN/ KLCN/ KLFN/ KLMSS/ MLIB/ NEMA/ PRFN/ SFN/ WMFN	Aboriginal Engagement Matters	Should additional issues of concern, traditional use sites or features identified through ongoing engagement with BRFN/ DTFN/ DRFN/ FNFN/ MNBC/ HRFN/ HLFN/ KLCN/ KLFN/ KLMSS/ MLIB/ NEMA/ PRFN/ SFN/ WMFN be brought forward, these will be considered for incorporation into Project planning, including the EPP and the Environmental Alignment Sheets, as appropriate.	North Montney Supplemental TK Report, PDF Pages 41, 42 and 43	B60-1 (A4D1L8)	Complete	All Stages	All TLU information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015. Any TLU locations that are identified during construction are subject to the TLU Sites Discovery Contingency Plan which is found in the EPP, Appendix 1E.	Engagement Lead, Environmental Planner
117	NE	Aboriginal Engagement Matters	Where appropriate, Aboriginal communities potentially affected by the Project will continue to be invited to participate in the remaining aquatics and archaeology field studies in 2014. Information gathered during field studies after August 31, 2014 will be considered for incorporation into Project planning, including the EPP and the Environmental Alignment Sheets, as appropriate.	North Montney Supplemental TK Report, PDF Page 44	B60-1 (A4D1L8)	Complete	Pre-Construction	Where appropriate, all information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015.	Engagement Lead, Environmental Planner
118	NEB	Environmental Matters	With respect to the Proposed Pine River Sand Dunes Re-route, the micro re-route was assessed to determine if supplemental environmental field work would be required. It was determined that footprint specific assessments for vegetation was deemed necessary. A vegetation survey will be conducted in the appropriate survey window in 2015, in advance of construction.	Response to NEB IR No.6, IR 6.2	B65-1 (A4D6T0)	Complete	Pre-Construction	The vegetation survey was completed in June 2015.	Environmental Planner
119	NEB	Environmental Matters	In June 2014, the federal government released the final Recovery Strategy for the Woodland Caribou, Southern Mountain Population (<i>Rangifer tarandus caribou</i>) in Canada. This recovery strategy applies to the Graham herd, and identifies areas of critical habitat within the current distribution of the Graham herd range. The Project does not overlap any critical habitat as defined in this recovery strategy. Environment Canada has indicated to NGTL that additional critical habitat mapping will be completed, and that it is likely that additional critical habitat will be identified, particularly in the lower elevations of the herd range. However, there is no information currently to suggest that any critical habitat will be affected by the Project (particularly given that the Project parallels existing linear features for the majority of its length within the Graham herd range). NGTL has committed to following Environment Canada's recommendation to continue engagement with the province of British Columbia to ensure that the Project is consistent with provincial management strategies.	NGTL Final Argument, PDF Page 98	B86-2 (A4F3X6)	Ongoing	All Stages	NGTL received matrix habitat mapping from MFLNRO in September 2015 and there is no overlap of matrix habitat with the Project footprint. NGTL followed up with EC on December 10, 2015 regarding potential upcoming revisions to caribou critical habitat mapping in relation to the NGTL North Montney Project. NGTL is waiting on a reply.	Environmental Planner
120	NEB	Aboriginal Engagement Matters	NGTL has committed to continuing engagement with each potentially affected Aboriginal group to understand the potential effects identified in the TLU reports and determine whether additional mitigation is required. If specific cultural, heritage or TLU sites are identified through this ongoing engagement or during construction, NGTL has proposed a Heritage Resource Discovery Contingency Plan and a TLU Sites Discovery Contingency Plan to avoid or minimize potential effects on these sites.	NGTL Final Argument, PDF Page 105	B86-2 (A4F3X6)	Ongoing	All Stages	All TLU information that is currently known has been included in the EPP and EAS (A72124) filed on August 18, 2015. Any TLU locations that are identified during construction are subject to the TLU Sites Discovery Contingency Plan which is found in the EPP, Appendix 1E.	Engagement Lead, Environmental Planner
121	NEB	Aboriginal Engagement Matters	NGTL remains committed to working with SFN to discuss their concerns regarding access management.	NGTL Reply Argument, PDF Page 61	B87-2 (A4F7T4)	Ongoing	Construction/ Post-Construction		Engagement Lead

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122	NEB	Environmental Matters	The conclusions in NGTL's final argument that WMFN challenges are based on the fact that at present, there is no critical caribou habitat designated along the Project footprint. If such critical habitat is designated in the future, NGTL committed in its final argument to offsetting all residual effects of the Project on that habitat.	NGTL Reply Argument, PDF Page 61	B87-2 (A4F7T4)	Ongoing	Construction/ Post-Construction		Environmental Planner
123	NEB	Aboriginal Engagement Matters	After several months of negotiations over the summer of 2014, NGTL and BRFN concluded a TLU work plan agreement in October 2014, and NGTL understands that TLU work is currently ongoing. Once that work is complete and the TLU information is provided to NGTL, NGTL will review the information and incorporate it into the Project EPP and Environmental Alignment Sheets as appropriate.	NGTL Reply Argument, PDF Page 42	B87-2 (A4F7T4)	Complete	Pre-Construction	Refer to Condition 7 – Outstanding Traditional Land Use (A4R8I4) filed on July 30, 2015 and Condition 14 – Environmental Protection Plan and Environmental Alignment Sheets (A72124) filed on August 18, 2015.	Engagement Lead, Environmental Planner
124	NEB	Environmental Matters	With respect to SFN's request in paragraph 245(a) for a condition regarding heritage resources, NGTL's Heritage Resource Discovery Contingency Plan governs the assessment and mitigation of archaeological sites discovered during construction and includes an immediate stop-work measure. NGTL would be willing to amend the Plan to provide an opportunity, where appropriate, for local Aboriginal communities to be involved with decision-making regarding the handling of human remains.	NGTL Reply Argument, PDF Page 64	B87-2 (A4F7T4)	Complete	Construction	The Heritage Resource Discovery Contingency Plan has been amended.	Environmental Planner
125	PRRD	Stakeholder Matters	Final version of the Weed Management Plan will be sent to the Peace River Regional District (PRRD).	Email Response to PRRD - May 4, 2015		Complete	Pre-Construction	A copy of the Draft Weed Management Plan was provided to PRRD on May 4, 2015. The final version was provided to PRRD on September 10, 2015.	Community Relations Advisor, Environmental Planner
126	NEB	Aboriginal Engagement Matters	On previous projects, NGTL has achieved 10-15% participation rate on construction workforce. NGTL is committed to meet or exceed previous participation rates.	NEB IR 5.10c	B52-1 (A4C3A2)	Planned	Construction		Project Manager
127	NEB	Certificate GC-125 Conditions	1. Condition Compliance NGTL shall comply with all of the conditions contained in this Certificate, unless the Board otherwise directs.	Condition 1, GC-125	A4Q5V4	In Progress	All Stages		Project Manager
128	NEB	Certificate GC-125 Conditions	2. Engineering NGTL shall cause the approved Section 52 Facilities to be constructed and operated in accordance with the specifications, standards and other information referred to in its Application, or as otherwise agreed to during questioning and in its related submissions.	Condition 2, GC-125	A4Q5V4	Planned	All Stages		Project Manager, Construction Manager
129	NEB	Certificate GC-125 Conditions	3. Implementation of Environmental Protection NGTL shall implement or cause to be implemented all of the policies, practices, programs, mitigation measures, recommendations and procedures for the protection of the environment included in or referred to in its Application, or as otherwise agreed to during questioning and in its related submissions.	Condition 3, GC-125	A4Q5V4	Planned	All Stages		Project Manager, Construction Manager, Environmental Planner
130	NEB	Certificate GC-125 Conditions	4. Project Confirmation and Contractual Commitments NGTL shall file with the Board, at least 60 days prior to commencing construction, a confirmation, by an officer of the Company, that:a) Progress Energy Canada Ltd. has made a positive final investment decision on the proposed Pacific NorthWest LNG Project;b) TransCanada is proceeding with construction of the Prince Rupert Gas Transmission pipeline; andc) The Progress Delivery Project Expenditure Authorization and associated Service Documents for FT-D delivery service at the Mackie Creek Interconnection continues to be in effect for the quantity of 2340 terajoules per day as detailed in Section 3 of NGTL's Application.	Condition 4, GC-125	A4Q5V4	Planned	Pre-Construction		Project Manager

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131	NEB	Certificate GC-125 Conditions	<p>5. Heritage Resources NGTL shall file with the Board, at least 30 days prior to commencing construction:</p> <ul style="list-style-type: none"> a) for each of the Aitken Creek and Kahta Sections, copies of all archaeological and heritage resource permits and clearances obtained from the BC Archaeology Branch; and b) a statement on how NGTL intends to implement any recommendations contained in the permits and clearances referred to in a) above. 	Condition 5, GC-125	A4Q5V4	Planned	Pre-Construction		Environmental Planner
132	NEB	Certificate GC-125 Conditions	<p>6. Traffic Control Management Plan NGTL shall file with the Board, at least 60 days prior to commencing construction, a final Traffic Control Management Plan specific to the Section 52 Facilities. This plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> a) a summary of any issues or concerns raised by municipalities and regional authorities; and b) a description of how these issues and concerns are addressed in the Traffic Control Management Plan. 	Condition 6, GC-125	A4Q5V4	Completed	Pre-Construction	Filed Condition 6 – Traffic Control Management Plan (Aitken Creek Section) on December 10, 2015 (A74604).	Construction Manager, Project Manager
133	NEB	Certificate GC-125 Conditions	<p>7. Outstanding Traditional Land Use Investigations NGTL shall, at least 60 days prior to commencing construction, file with the Board for approval, and send copies to the Aboriginal groups included in consultation activities, a report outlining a plan for outstanding traditional land use (TLU) investigations for the Section 52 Facilities. The report must include, but not be limited to:</p> <ul style="list-style-type: none"> a) a summary of the status of TLU investigations undertaken for the Section 52 Facilities, including Aboriginal group-specific TLU studies or planned supplemental surveys; b) a description of how NGTL has considered and addressed information from any TLU investigations that it did not report on during the GH-001-2014 proceeding; c) a description of any outstanding concerns raised by potentially-affected Aboriginal groups regarding potential effects of the section 52 Facilities on the current use of lands and resources for traditional purposes, including a description of how these concerns have been or will be addressed by NGTL; and d) a summary of any outstanding TLU investigations or follow-up activities that will not be completed prior to commencing construction, including an estimated completion date, if applicable, and a description of how NGTL has already identified, or will identify, any potentially-affected TLU sites or resources if the outstanding investigations will not be completed prior to construction. 	Condition 7, GC-125 FOR APPROVAL	A4Q5V4	Approved	Pre-Construction	<p>Filed Condition 7 Outstanding Traditional Land Use Investigations on July 30, 2015 (A4R8I4).</p> <p>On November 30, 2015, the Board approved NGTL's Outstanding Traditional Land Use Investigations report (A74397).</p>	Engagement Lead

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134	NEB	Certificate GC-125 Conditions	<p>8. Employment, Contracting and Procurement Monitoring Reports</p> <p>NGTL shall file with the Board, at least 30 days prior to commencing construction, and every 180 days thereafter until completion of construction, monitoring reports on employment, contracting and procurement of Aboriginal groups, businesses and individuals for the construction of the Section 52 Facilities. The reports must include:</p> <p>a) a summary of the total employment, contracting and procurement of Aboriginal groups, businesses and individuals for construction of the Section 52 Facilities during the reporting period, including:</p> <p>i) the number of Aboriginal individuals employed and a summary description of the types of positions filled by Aboriginal employees during the reporting period;</p> <p>ii) a summary description of the contracts awarded to or executed with Aboriginal groups, businesses or individuals during the reporting period, and the total monetary values of these;</p> <p>iii) a summary description of procurement awarded to Aboriginal groups, businesses, or individuals during the reporting period, and the total monetary value of these; and iv) a comparison of the totals and values described in i) through iii) above in relation to NGTL's stated commitments for employment, contracting and procurement of Aboriginal groups, businesses and individuals for the construction of the Section 52 Facilities; and</p> <p>NGTL shall file with the Board, within three months of completion of construction, and provide a copy to all affected Aboriginal groups, a final report on employment, contracting and procurement of Aboriginal groups, businesses and individuals during the construction phase.</p> <p>On or before 31 January after each of the first, third, fifth years following the commencement of operation of the Section 52 Facilities, NGTL shall file with the Board, and provide copies to all affected Aboriginal groups, reports on employment, contracting and procurement regarding the Section 52 Facilities of Aboriginal groups, businesses and individuals for the Project, during each reporting period.</p>	Condition 8, GC-125	A4Q5V4	Planned	All Stages		Project Manager, Aboriginal Contracts Advisor

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135		Certificate GC-125 Conditions	<p>9. Construction Training and Education Monitoring Reports NGTL shall file with the Board, at least 30 days prior to commencing construction, and every 180 days thereafter until completion of construction, monitoring reports for the implementation and outcomes of training and education initiatives and opportunities provided to Aboriginal groups and individuals for the Project. The reports must include:</p> <ul style="list-style-type: none"> a) a description of each training and education initiative and opportunity implemented during the reporting period, including duration, participant groups, delivery agency or institution, and intended outcomes; b) a description of any measures identified to address or meet the terms or commitments; and c) a summary of NGTL's consultation with relevant Aboriginal groups or representatives, government sponsors, industry associations, and delivery agencies or institutions regarding training and education initiatives and opportunities for the reporting period, including any issues or concerns raised and how NGTL has addressed or responded to them. <p>NGTL shall file with the Board, within three months of completion of construction, and provide copies to all affected Aboriginal groups, a final report on training and education initiatives and opportunities for Aboriginal groups and individuals during the construction phase. On or before 31 January after each of the first, third, fifth years following the commencement of operation of the Section 52 Facilities, NGTL shall file with the Board, and provide copies to all affected Aboriginal groups, reports on training and education initiatives and opportunities provided to Aboriginal groups and individuals for the Project, during each reporting period.</p>	Condition 9, GC-125	A4Q5V4	Planned	All Stages		Project Manager, Aboriginal Contracts Advisor
136	NEB	Certificate GC-125 Conditions	<p>10. Report on Consultations with Prophet River First Nation NGTL shall file with the Board, at least 30 days prior to commencing construction at the Sikanni Chief River crossing location, a report on consultation activities with Prophet River First Nation (PRFN) regarding any measures to reduce, eliminate or offset potential Project effects on traditional land and resource use sites and activities, including culture camps, identified near the Sikanni Chief River crossing location. The report must include, but not be limited to:</p> <ul style="list-style-type: none"> a) a summary of the consultation activities undertaken, including: <ul style="list-style-type: none"> i) the methods, dates and locations of consultation activities; ii) a summary of the comments and concerns raised or information provided by PRFN; iii) a summary of NGTL's response to all of the comments and concerns raised or information provided; iv) a summary of any outstanding concerns about the Project's potential effects raised by PRFN, any steps that will be taken to address these outstanding concerns, or an explanation why no further steps are required; and 	Condition 10, GC-125	A4Q5V4	In Progress	Pre-Construction	NGTL continues to follow up with Prophet River First Nation to schedule a field visit	Engagement Lead

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136 (cont'd)			<ul style="list-style-type: none"> v) a description of the resources provided to PRFN that supported its participation in consultation activities; and b) for Board approval, a summary of the assessment of the Project's potential effects on any traditional land and resource use sites or activities identified at the Sikanni Chief River crossing location, including: <ul style="list-style-type: none"> i) a description of any traditional land and resource sites or activities, including culture camps, that may be affected by the river crossing location and associated construction, reclamation or operation activities; ii) a description of the measures identified to reduce, eliminate or offset potential Project effects on identified traditional land and resource use sites or activities; and iii) a description of how any concerns raised or information provided by PRFN on are addressed by or incorporated into the measures identified to reduce, eliminate or offset potential Project effects on identified traditional land and resource use sites or activities. 	Condition 10, part b) FOR APPROVAL					
137	NEB	Certificate GC-125 Conditions	<p>11. Peace Moberly Tract Protection Plan (PMTTP)</p> <p>Construction in the Peace Moberly Tract (PMT) shall not commence until NGTL has received approval of its PMTTP by the Board. NGTL shall file with the Board for approval, at least 60 days prior to commencing construction in the PMT, a PMTTP. The plan shall include, but not be limited to, the following:</p> <ul style="list-style-type: none"> a) the goals and measureable objectives of the PMTTP; b) an identification and rationale of biophysical and socio-economic elements to be included in the PMTTP; c) a description of mitigation measures proposed to eliminate or reduce any potential effects on the biophysical and socio-economic elements identified in b) within the PMT; including, but not limited to the following: <ul style="list-style-type: none"> i) the hierarchy of mitigation and order of priority applied to the PMT and details on considerations made in moving from one level to the next; ii) measures to avoid, minimize and restore impacts on the elements identified in b), including a discussion on the following: <ul style="list-style-type: none"> a. trenchless pipe installation, including the criteria for determining when it will be used; b. line of sight reduction; c. linear feature disturbance reduction, including interactions with existing disturbances; d. access management; e. methods of reclamation and re-vegetation, including a discussion of woody material handling, site and soil treatment and active re-vegetation, where ground cover and full canopy trees have been impacted; and f. measures to further reduce or eliminate potential effects on the use of traditional and land and resources by Aboriginal groups in the PMT; and d) a description of the construction and operational monitoring plans that will be used to assess and demonstrate implementation and report effectiveness of mitigation, including: <ul style="list-style-type: none"> i) a description of the criteria to assess effectiveness; and ii) a plan for the participation of Aboriginal groups, including but not limited to the implementation of NGTL's Aboriginal Construction Training Program within the PMT; and 	Condition 11, GC-125 FOR APPROVAL	A4Q5V4	Approved	Pre-Construction	<p>Filed Request for Relief from 60 days prior to construction to 30 days prior to construction (A4Q9K0) on June 23, 2015.</p> <p>On July 22, the Board granted NGTL's request, permitting NGTL to file its PMTTP at least 30 days prior to commencing construction in the PMT (A4R6G8).</p> <p>Filed Condition 11 – Peace Moberly Tract Protection Plan (PMTTP) on December 1, 2015 (A74426). Awaiting Board ruling.</p> <p>Comments on the PMTTP were submitted by West Moberly First Nations (A74747) and Saulteau First Nations (A74755) to the NEB on December 15, 2015.</p> <p>Board Approved PMTTP on May 27, 2016 (A77205).</p>	Project Manager, Construction Manager, Environmental Planner, Engagement Lead

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137 (cont'd)			e) a description and justification for how NGTL has incorporated the results of consultation with Aboriginal groups and government authorities into the plan, including: <ul style="list-style-type: none"> i) how available and applicable TLU studies were taken into consideration in developing mitigation within the PMT; ii) how new or additional information provided through consultation was considered and addressed; iii) how the final mitigation measures accounted for and addressed any concerns or requests from Aboriginal groups and government authorities; and iv) a description and justification for why any concerns or requested measures were not incorporated into the plan; f) methods for determining the extent of non-avoidable effects on b) within the PMT; g) a discussion on possible enhancement or offset measures for all non-avoidable effects on socio-economic elements within the PMT including how any measures would be determined to be effective or adequate; and h) a summary of any outstanding issues or concerns raised by potentially affected Aboriginal groups or government authorities, including a description of how these concerns or issues have been or will be addressed by NGTL.						
138	NEB	Certificate GC-125 Conditions	12. Peace Moberly Tract Protection Plan (PMTTP) – Consultation Plan NGTL shall file with the Board for approval, at least 120 days prior to commencing construction in the PMT, a plan for consultation with West Moberly First Nations, Saulteau First Nations, and relevant provincial or federal departments or authorities for the development of the PMTTP. The consultation plan must include, but not be limited to: <ul style="list-style-type: none"> a) the goals, principles and objectives for consultation for the development of the PMTTP; b) a list of Aboriginal groups and government departments that have been identified for consultation; c) a schedule and description of consultation activities, including defined outcomes or objectives for the activities; d) a description of how information provided by Aboriginal groups and provincial or federal departments or authorities will be incorporated into the PMTTP, including: <ul style="list-style-type: none"> i) how available and applicable traditional land and resource use studies will be considered and incorporated in the PMTTP; ii) how new or additional information will be considered and addressed; iii) a description of the process and criteria that will be used to evaluate proposed or requested mitigation measures for the PMTTP, including the process and criteria for any concerns or proposed measures that will not be incorporated into the PMTTP; e) a description of the process to be used for review of the final plan by participating Aboriginal groups and government departments, including review of all final proposed mitigation measures; and f) a description of the resources that will be available to support the participation of Aboriginal groups in the development of the PMTTP. 	Condition 12, GC-125 FOR APPROVAL	A4Q5V4	Approved	Pre-Construction	Filed May 6, 2015 (A4L0T9). On July 22, 2015, the Board approved NGTL's PMTTP Consultation Plan (A4R6G9).	Engagement Lead, Environmental Planner

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139	NEB	Certificate GC-125 Conditions	<p>13. Visual Impacts Mitigation Plan for Groundbirch Compressor Station</p> <p>NGTL shall file with the Board, for approval, at least 30 days prior to commencement of construction of the access road for the Groundbirch Compressor Station, a plan to mitigate the visual impacts of the compressor station access road on affected landowners. This plan must include, but is not limited to:</p> <ul style="list-style-type: none"> a) a detailed description of the measures NGTL will implement to fulfill its commitment to reducing visual impacts, including but not limited to retaining the tree line along the access road for the Groundbirch Compressor Station; b) a summary of consultations with the affected landowners regarding the measures to reduce visual impacts, including retaining and maintenance of the tree line. This must include a summary of any concerns raised by the affected landowners, how NGTL has addressed these concerns, and how any outstanding concerns raised by the affected landowners will be addressed or explanation why no further steps would be taken; and c) confirmation of: <ul style="list-style-type: none"> i) the land tenure or ownership of the lands for the access road, including the land on which the tree line is located; and ii) the length of time over which NGTL will implement mitigation measures, including retaining the tree line along the access road for the Groundbirch Compressor Station. 	Condition 13, GC-125 FOR APPROVAL	A4Q5V4	Planned	Pre-Construction		Project Manager, Environmental Planner
140	NEB	Certificate GC-125 Conditions	<p>14. Environmental Protection Plan (EPP)</p> <p>NGTL shall file with the Board for approval, at least 60 days prior to commencing construction, an updated EPP specific to the Section 52 Facilities that includes, but is not limited to, the following:</p> <ul style="list-style-type: none"> a) environmental procedures including site-specific plans, criteria for implementation of these procedures, mitigation measures and monitoring applicable to all Project phases and activities; b) a reclamation plan, which includes a description of the condition to which NGTL intends to reclaim and maintain the RoW, once construction has been completed, and a description of measurable goals for reclamation; c) all mitigation related to caribou and caribou habitat which includes: <ul style="list-style-type: none"> i) NGTL's commitments to adhering to specific provincial and federal best practices, requirements and timing restrictions; ii) a list of all measures to minimize disturbance to caribou habitat, and measures to be taken before and during construction to help accelerate the restoration of caribou habitat; and iii) the locations where those measures will be taken. d) all mitigation related to western toad and western toad habitat which includes: <ul style="list-style-type: none"> i) a description of how NGTL will raise awareness of construction personnel of the potential presence of western toad on the RoW and ensure the implementation and compliance with its Wildlife Species of Concern Discovery Contingency Plan; ii) a description of the frequency and location of sweeps that will be conducted to determine the presence of western toad on the RoW; and 	Condition 14, GC-125 FOR APPROVAL	A4Q5V4	Approved	Pre-Construction	<p>Filed Condition 14 Environmental Protection Plan and Alignment Sheets on August 18, 2015 (A72124). Awaiting Board ruling.</p> <p>On November 6, 2015, the Board approved NGTL's EPP (A4V1T7).</p>	Environmental Planner

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Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (Exhibit No./ Filing ID)	Status	Project Phase	Comments	Accountability
140 (cont'd)			<p>iii) a description of the specific deterrent and relocation measures that will be implemented if western toad is discovered on the RoW during construction.</p> <p>e) environmental alignment sheets, for the construction and operation of the Section 52 Facilities; and</p> <p>f) evidence demonstrating that:</p> <p>i) there is a management system in place, which ensures the updates of the environmental protection procedures, mitigation measures and monitoring are effectively communicated to employees, contractors and regulators; and</p> <p>ii) consultation took place with relevant government authorities, where applicable.</p> <p>The EPP shall be a comprehensive compilation of all environmental protection procedures, mitigation measures, and monitoring commitments, as set out in NGTL's application for the Section 52 Facilities, subsequent filings, evidence collected during the hearing process, or as otherwise agreed to during questioning and in its related submissions. The EPP shall describe the criteria for the implementation of all procedures and measures.</p>						
141	NEB	Certificate GC-125 Conditions	<p>15. Caribou Habitat Restoration Plan (CHRP)</p> <p>NGTL shall file with the Board for approval, in accordance with the timelines below, preliminary and final versions of a CHRP for each of the Aitken Creek and Kahta Sections of the Section 52 Facilities. At the time of filing with the Board, NGTL shall provide a copy of the filings to Environment Canada and the appropriate provincial authorities.</p> <p>a) Preliminary CHRP to be filed at least 90 days prior to commencing construction. This version of the CHRP shall include, but not be limited to:</p> <p>i) the goals and measureable objectives of the CHRP;</p> <p>ii) decision frameworks that will be used to prioritize potential caribou habitat restoration sites and to prioritize mitigative actions to be used at different types of sites, including consideration of typical site factors that may constrain implementation;</p> <p>iii) a literature review on which the decision frameworks are based including:</p> <p>a. an identification of temporal and special caribou habitat restoration methodologies applicable to mountain caribou;</p> <p>b. an assessment of the relative effectiveness of the identified methodologies;</p> <p>c. detailed methodology of how the literature review was conducted.</p> <p>iv) the quantifiable targets and performance measures that will be used to evaluate the extent of predicted residual effects, the extent to which the goals and objectives have been met, and the need for consequent compensation offsets;</p> <p>v) a schedule indicating when measures will be initiated and completed;</p> <p>vi) a table summarizing any differences or updates from the last previous NGTL CHRP filed with the Board for other projects; and</p> <p>vii) evidence and a summary of how consultation feedback from Environment Canada and appropriate provincial authorities is integrated into the CHRP.</p>	Condition 12, GC-125 FOR APPROVAL	A4Q5V4	Approved	Pre-Construction	<p>Filed Condition 15 a) Preliminary CHRP on July 15, 2015 (A71272). Awaiting Board ruling.</p> <p>On August 6, 2015, NGTL filed a request for the withdrawal of the Preliminary CHRP filed on July 13, 2015 (A4R9W7).</p> <p>NGTL filed a revised Preliminary CHRP on August 21, 2015 (A4S9A4).</p> <p>NGTL submitted an errata regarding the Decision Frameworks for the revised Preliminary CHRP on August 31, 2015 (A72374).</p> <p>On October 22, 2015, the Board approved NGTL's Preliminary CHRP (A4U6E6).</p>	Environmental Planner

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141 (cont'd)			<p>b) Final CHRP to be filed on or before 1 November after the first complete growing season following the commencement of operation for the Section 52 Facilities. This updated version of the CHRP shall include, but not be limited to:</p> <ul style="list-style-type: none"> i) the preliminary CHRP, with any updates identified in a revision log that includes the rationale for any changes to decision making criteria; ii) a complete table describing caribou habitat restoration sites, including but not limited to location, spatial area, description of habitat quality, site-specific restoration activities and challenges; iii) specification drawings for the implementation of each restoration method; iv) maps or Environmental Alignment Sheets showing the locations of the sites; v) evidence of how further consultation feedback from Environment Canada and appropriate provincial authorities is integrated into the plan; and vi) a quantitative and qualitative assessment of the total area of direct disturbance to caribou habitat that will be restored, the duration of spatial disturbance, and the aerial extent of the resulting residual effects to be offset, which also includes indirect disturbance. 	Condition 12, part b) GC-125 FOR APPROVAL	A4Q5V4	Planned	Post-construction		Environmental Planner
142	NEB	Certificate GC-125 Conditions	<p>16. Access Management Plan (AMP) NGTL shall file with the Board for approval, at least 90 days prior to commencing construction, an Access Management Plan (AMP) for non-parallel disturbances along the RoW for each of the Aitken Creek and Kahta Sections of the Section 52 Facilities, which includes, but is not limited to:</p> <ul style="list-style-type: none"> a) the methodology used to develop the AMP, including baseline information to be used for assessing effectiveness; b) the goals for monitoring and managing access, and the measures and criteria to be used to achieve those goals; c) the method and frequency of inspections for access controls along the ROW during operations for the life of the Project; d) the criteria for determining the need for maintenance, repair, or installation of new access control measures, including: <ul style="list-style-type: none"> i) a description of the contingency measures that will be implemented if existing access controls prove to be ineffective at preventing new access; ii) an indication of the timeframe to implement contingency measures; and e) a schedule for reporting to the Board during construction and operation, including after the first, third and fifth year following the commencement of construction: <ul style="list-style-type: none"> i) the relative amount of access (increase or decrease and by quantifiable amount over baseline or previous reporting period); ii) steps taken when implementing the criteria identified in (d); and iii) the results of the evaluation of the overall effectiveness of the AMP. 	Condition 16, GC-125 FOR APPROVAL	A4Q5V4	Approved	Pre-Construction	<p>Filed June 3, 2015 (A70510). Awaiting Board ruling.</p> <p>On August 21, 2015, the Board approved NGTL's Access Management Plan (A4S8Z5).</p>	Environmental Planner

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Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (Exhibit No./ Filing ID)	Status	Project Phase	Comments	Accountability
143	NEB	Certificate GC-125 Conditions	<p>17. Grizzly Bear Report</p> <p>For each of the Aitken Creek and Kahta Sections of the Section 52 Facilities, if the commencement of construction will occur between 15 November and 1 May, NGTL shall file with the Board a Grizzly Bear Report, at least 14 days prior to commencing construction. The Grizzly Bear Report shall provide a summary of the results of the grizzly bear den sweeps to identify potential grizzly bear dens within 750 m of the Section 52 Facilities. The Grizzly Bear Report shall also include:</p> <p>a) if a grizzly bear den is found during a sweep, any newly-developed or modified mitigation measures as well as evidence of consultation with the appropriate federal and provincial authorities regarding the proposed mitigation;</p> <p>b) confirmation that no changes to the EPP are required as a result of the findings of a sweep or mitigation measures identified in (a), or if changes are necessary, provide the EPP pages that have been amended.</p> <p>For each of the Aitken Creek and Kahta Sections of the Project, if no construction will occur on or after 15 November, NGTL shall file with the Board, at least 14 days prior to commencing construction, a letter indicating that the grizzly bear den survey will not be required.</p>	Condition 17, GC-125	A4Q5V4	Planned	Pre-Construction		Environmental Planner
144	NEB	Certificate GC-125 Conditions	<p>18. Navigation and Navigation Safety Plan</p> <p>For each of the Aitken Creek and Kahta Sections of the Section 52 Facilities, NGTL shall file with the Board for approval, at least 60 days prior to commencing construction, a Navigation and Navigation Safety Plan specific to the Section 52 Facilities that includes, but is not limited to:</p> <p>a) an updated listing of navigable waters to be crossed by the Section 52 Facilities or affected by the Section 52 Facilities;</p> <p>b) an updated listing of effects of the Section 52 Facilities on navigation and navigation safety;</p> <p>c) evidence and a summary of NGTL's consultation with potentially affected waterway users and Aboriginal groups regarding navigation use, including any concerns that were raised and how those have been addressed; and</p> <p>d) proposed mitigation measures to address effects of the Section 52 Facilities on navigation and navigation safety for each navigable waterway.</p>	Condition 18, GC-125 FOR APPROVAL	A4Q5V4	Approved	Pre-Construction	<p>Filed Condition 18 Navigation Safety Plan on August 6, 2015 (A71669).</p> <p>NGTL Responses to NEB Information Request #1 re: Navigation Safety Plan submitted to the NEB on September 8, 2015.</p> <p>On September 23, 2015, the Board approved NGTL's Navigation Safety Plan (A4T5C8).</p>	Environmental Planner
145	NEB	Certificate GC-125 Conditions	<p>19. Programs and Manuals</p> <p>NGTL shall file with the Board the following programs and manuals within the time specified:</p> <p>a) Updated Construction Safety Manual, pursuant to section 20 of the National Energy Board Onshore Pipeline Regulations: at least 14 days prior to commencing construction;</p> <p>b) Field Joining Program: at least 14 days prior to the commencement of joining activity;</p> <p>c) Field Pressure Testing Program: at least 14 days prior to the commencement of pressure testing;</p> <p>d) Operation and Maintenance Manual: at least 14 days prior to the commencement of operation: and</p> <p>e) Three copies of an updated Emergency Procedures Manual(s) or confirmation that the existing Emergency Procedures Manual(s) are inclusive of the Section 52 Facilities and do not require updating: at least 45 days prior to the commencement of operation.</p>	Condition 19, GC-125	A4Q5V4	Planned	Pre-Construction		Project Manager

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146	NEB	Certificate GC-125 Conditions	20. Final Pipe Specifications NGTL shall file with the Board, at least 14 days prior to commencing construction, NGTL's final Pipeline Construction Specifications.	Condition 20, GC-125	A4Q5V4	In Progress	Pre-Construction	Filed Condition 20 – Final Pipe Specifications on March 15, 2016 (A4Y7J4). Filed Response to IR on Condition 20 on May 16, 2016 (A76884).	Project Engineer
147	NEB	Certificate GC-125 Conditions	21. Commitments Tracking Table (CTT) NGTL shall: a) file with the Board and post on its Project website, within 90 days after the Certificate date and at least 30 days prior to commencing construction, a Commitments Tracking Table listing all commitments made by NGTL in its Application, and as otherwise agreed to during questioning or in its related submissions, including reference to: i) the documentation in which the commitment appears (for example, the Application, responses to information requests, hearing transcripts, permit requirements, condition filings, or other); ii) the accountable lead for implementing each commitment; and iii) the estimated timelines associated with the fulfillment of each commitment. b) update the status of the commitments in a) on its Project website on a: i) monthly basis until the commencement of operation; and ii) quarterly basis until the end of the fifth (5th) year following the commencement of operation; and c) maintain at its construction office(s): i) the Commitments Tracking Table listing all regulatory commitments and their completion status, including but not limited to those commitments resulting from NGTL's Application and subsequent filings and conditions from permits, authorizations and approvals; ii) copies of any permits, approvals or authorizations issued by federal, provincial or other permitting authorities, which include environmental conditions or site-specific mitigation or monitoring measures; and iii) any subsequent variances to any permits, approvals or authorizations in ii).	Condition 21, GC-125	A4Q5V4	In Progress	Pre-Construction/ Construction	Filed CTT for Condition 21 s.52 Facilities and Condition 5 s. 58 Facilities 1. June 26, 2015 (A4R0F4) 2. July 27, 2015 (A4R7L8) 3. August 27, 2015 (A4S9T7) 4. September 25, 2015 (A4T6D9) 5. October 27, 2015 (A4U7L8) 6. November 27, 2015 (A74312) 7. December 22, 2015 (A74902) 8. January 27, 2016 (A75306) 9. February 25, 2016 (A75634) 10. March 28, 2016 (A76104) 11. April 28, 2016 (A76640) 12. May 31, 2016 (A77264) 13. June 29, 2016 (A78285) 14. July 28, 2016 (A78733) 15. August 31, 2016 (A79225) 16. September 30, 2016 (A79692) 17. October 31, 2016 (A80363) 18. November 30, 2016 (A80853) 19. December 30, 2016 (A81174)	All
148	NEB	Certificate GC-125 Conditions	22. Construction Schedule NGTL shall file with the Board, at least 14 days prior to commencing construction of the approved facilities, a detailed construction schedule(s) identifying major construction activities, and shall notify the Board of any modifications to the schedule(s) as they occur.	Condition 22, GC-125	A4Q5V4	Planned	Pre-Construction		Construction Manager, Project Manager
149	NEB	Certificate GC-125 Conditions	23. Finalized Watercourse Crossing Designs For all watercourse crossings, NGTL shall file with the Board, at least 60 days prior to commencing any watercourse crossing construction activities: a) an updated inventory of all the watercourses to be crossed. This inventory shall include: i) location(s) of the crossing(s); ii) primary and contingency crossing methods; iii) timing of construction; iv) presence of fish and fish habitat; v) fisheries timing window of least risk for each crossing; and vi) whether all of Fisheries and Oceans Canada's applicable "Measures to Avoid Causing Harm to Fish and Fish Habitat" will be implemented.	Condition 23, GC-125	A4Q5V4	Complete	Pre-Construction	NGTL submitted to the NEB on June 29, 2015 the Finalized Watercourse Crossing Designs (Filing ID: A70972)	Environmental Planner

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149 (cont'd)			b) detailed generic design drawings of trenchless, dry open-cut, frozen open-cut and isolation crossings of various watercourse types; c) for each non-trenchless watercourse crossing that will be conducted outside of the fisheries window of least risk (both primary and contingency methods), or any crossings that will be conducted in non-isolated flowing water conditions, include: i) detailed crossing specific design drawings; ii) the fish species that may be present and if fish spawning is likely to occur within the immediate area; iii) mitigation to be used to minimize impacts to fish; and iv) a discussion of potential impacts to local fisheries resources within the immediate area as a result of the crossing construction.						
150	NEB	Certificate GC-125 Conditions	<p>24. Authorizations under subsection 35(2)(b) of the Fisheries Act</p> a) For those watercourse crossings that will require an authorization under subsection 35(2)(b) of the <i>Fisheries Act</i> , NGTL shall file with the Board for approval, at least 120 days prior to commencing construction of those watercourse crossings: i) a draft Application Form for Paragraph 35(2)(b) Fisheries Act Authorization for those watercourses crossings that will require authorization under subsection 35(2)(b) of the <i>Fisheries Act</i> ; ii) a draft application package for authorization that includes all the information detailed in the Applicant's Guide to Submitting an Application for Authorization under Paragraph 35(2)(b) of the <i>Fisheries Act</i> , including: a. contact information; b. a description of the proposed work, undertaking or activity; c. detailed design; d. the timeline; e. location; f. a description of fish and fish habitat (aquatic environment); g. a description of effects on fish and fish habitat; h. measures and standards to avoid or mitigate serious harm to fish; i. a description of the monitoring measures; j. residual serious harm to fish after implementing avoidance and mitigation measures and standards; k. an offsetting plan, including associated monitoring programs; l. proof of the letter of credit; and iii) a summary of NGTL's consultation with government authorities, stakeholders, and any potentially affected Aboriginal groups, regarding the works proposed to be authorized, as well as any offsetting measures proposed. This summary must include any issues or concerns raised regarding these works and how NGTL has addressed or responded to them; and b) NGTL shall file with the Board, at least 10 days prior to commencing construction of those watercourse crossings identified in a), a copy of the <i>Fisheries Act</i> subsection 35(2)(b) Authorization issued by Fisheries and Oceans Canada.	Condition 24, GC-12 FOR APPROVAL	A4Q5V4	Not Applicable	Pre-Construction		Environmental Planner

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151	NEB	Certificate GC-125 Conditions	<p>25. Trenchless Crossings Should NGTL decide to use alternative crossing techniques from its proposed trenchless watercourse crossing method:</p> <p>a) for those watercourse crossings that will not require a <i>Fisheries Act</i> subsection 35(2)(b) Authorization, NGTL shall file at least 30 days prior to the undertaking of the contingency crossing method:</p> <p>i) a summary of changes and the reasons for that change;</p> <p>ii) copies of all correspondence from regulatory authorities relating to the change; and</p> <p>iii) an assessment of effects to fish and fish habitat; and/or</p> <p>b) for those watercourse crossings that may require a <i>Fisheries Act</i> subsection 35(2)(b) Authorization, NGTL shall file at least 60 days prior to the undertaking of the contingency crossing method:</p> <p>i) a summary of changes and the reasons for that change;</p> <p>ii) copies of all correspondence from regulatory authorities relating to the change;</p> <p>iii) an assessment of effects to fish and fish habitat; and</p> <p>iv) a draft Fisheries Act Application package.</p>	Condition 25, GC-125	A4Q5V4	Planned	Pre-Construction		Environmental Planner
152	NEB	Certificate GC-125 Conditions	<p>26. Hydrostatic Testing Plan NGTL shall file with the Board, at least 60 days prior to pressure testing, a Hydrostatic Testing Plan for the Section 52 Facilities that includes:</p> <p>a) the location(s) of water withdrawal and discharge;</p> <p>b) clearing activities or any other associated works, if required, to allow for transport of the hydrostatic test water to the Section 52 Facilities;</p> <p>c) the rate(s) of water withdrawal;</p> <p>d) the volume(s) of water withdrawal;</p> <p>e) the flow rate/volume of water at withdrawal location(s); and</p> <p>f) any site-specific mitigation measures to be used at the water withdrawal and discharge locations, or at any other locations required to allow for the transport of hydrostatic test water.</p>	Condition 26, GC-125	A4Q5V4	Planned	Construction		Construction Manager, Project Engineer
153	NEB	Certificate GC-125 Conditions	<p>27. Construction Progress Reports NGTL shall file with the Board, at the middle and end of each month during construction, construction progress reports. The reports shall include information on the activities carried out during the reporting period; any environmental, socio-economic, safety and security issues and issues of non-compliance; and the measures undertaken for the resolution of each issue and non-compliance. Each construction progress report, filed after 15 December 2015 for the Aitken Creek Section and after 15 December 2016 for the Kahta Section, shall also include:</p> <p>a) an update on the extent to which potential delays to the construction schedule filed with the Board risk the overlap of construction activities with caribou critical timing windows; and</p> <p>b) an explanation of whether any additional mitigation measures are required and will be implemented to reduce that risk.</p>	Condition 27, GC-125	A4Q5V4	Planned	Construction		Construction Manager, Project Manager

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154	NEB	Certificate GC-125 Conditions	28. Welding and Non-Destructive Examination Procedures NGTL shall, during construction, maintain at each construction site: a) a copy of the applicable welding procedures; b) a copy of the applicable non-destructive examination and testing procedures used on the Project; and c) all supporting documentation related to non-destructive examination and testing.	Condition 28, GC-125	A4Q5V4	Planned	Construction		Project Engineer
155	NEB	Certificate GC-125 Conditions	29. Horizontal Directional Drilling NGTL shall file with the Board, at least 30 days before commencement of horizontal directional drilling, NGTL's horizontal directional drilling execution program.	Condition 29, GC-125	A4Q5V4	Planned	Construction		Project Engineer
156	NEB	Certificate GC-125 Conditions	30. Cathodic Protection NGTL shall file with the Board, at least 14 days prior to installing cathodic protection in wetland areas, a detailed description of the specific measures NGTL will implement to ensure cathodic protection is adequately maintained under the concrete coating or weights in wetland areas.	Condition 30, GC-125	A4Q5V4	Planned	Construction		Project Engineer
157	NEB	Certificate GC-125 Conditions	31. Slope and Bank Failures NGTL shall file with the Board, at least 14 days prior to commencing geo-technical work, a detailed description and the scope of the mitigation necessary to protect the Section 52 Facilities, the RoW, and to prevent future bank or slope failures.	Condition 31, GC-125	A4Q5V4	Complete	Construction	Filed Condition 31 on May 10, 2016 (A76812).	Project Engineer
158	NEB	Certificate GC-125 Conditions	32. Quantification and Mitigation of Construction-Related Greenhouse Gas (GHG) Emissions NGTL shall file with the Board, at least 30 days prior to requesting Leave to Open, a quantitative assessment of GHG emissions directly related to the construction and clearing of each of the Aitken Creek and Kahta Sections of the Section 52 Facilities (presented separately), including but not limited to emissions generated by vehicles and equipment, land clearing and slash burning. In addition to the results of the assessment, the filing shall describe the calculation methodology used, identify assumptions and inputs, and describe what variables may affect the results. The filing shall also describe measures implemented to reduce GHG emissions and any measures implemented or planned to offset the GHG emissions.	Condition 32, GC-125	A4Q5V4	Planned	Construction		Environmental Planner
159	NEB	Certificate GC-125 Conditions	33. Quantification of Operation-Related GHG Emissions NGTL shall file with the Board, at least 60 days prior to requesting Leave to Open, an updated quantitative assessment of GHG emissions directly related to the operation of each of the Aitken Creek and Kahta Sections of the Section 52 Facilities (presented separately), including but not limited to emissions generated by fossil fuel combustion, fugitive emissions and maintenance activities. In addition to the results of the assessment, the filing shall describe the calculation methodology used, identify assumptions and inputs, and describe what variables may affect the results. The filing must also describe mitigation measures implemented or GC-125 planned to reduce the GHG emissions and any measures implemented or planned to offset the GHG emissions.	Condition 33, GC-125	A4Q5V4	Planned	Post-construction		Environmental Planner

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160	NEB	Certificate GC-125 Conditions	<p>34. Noise Assessment</p> <p>NGTL shall, within 120 days of the commencement of operation of the Groundbirch Compressor Station:</p> <p>a) conduct post-construction noise monitoring at the Groundbirch Compressor Station;</p> <p>b) file the results of post-construction noise monitoring with the Board demonstrating compliance with the British Columbia Oil and Gas Commission's British Columbia Noise Control Best Practices Guideline; and c) if there is an increase in overall sound levels and/or low frequency noise, file a plan for how NGTL will achieve compliance with the British Columbia Noise Control Best Practices Guideline.</p>	Condition 34, GC-125	A4Q5V4	Planned	Operations		Project Manager, Environmental Planner
161	NEB	Certificate GC-125 Conditions	<p>35. Peace Moberly Tract - Monitoring Report</p> <p>On or before 31 January after each of the first, third and fifth complete growing seasons following the commencement of operation of the pipeline, NGTL shall file with the Board, a PMT monitoring report that:</p> <p>a) describes the methodology used for monitoring, the criteria established for evaluating success and the results found, for Board approval;</p> <p>b) identifies the environmental and socio-economic issues to be monitored, including but not limited to unexpected issues that arose during construction, and their locations;</p> <p>c) describes the current status of the issues (resolved or unresolved), any deviations from plans and corrective actions that were or will be undertaken;</p> <p>d) assesses the effectiveness of mitigation (planned and corrective) measures applied against the criteria for success;</p> <p>e) describes consultation undertaken with Aboriginal groups and appropriate provincial and federal authorities, including a summary of any concerns raised, any steps taken to address the concerns or an explanation why no further steps were required, and any outstanding concerns;</p> <p>f) a summary of activities undertaken to implement plans for monitoring by or with representatives from Aboriginal communities, including:</p> <p>i) issues identified by representatives or monitors from Aboriginal communities;</p> <p>ii) the status of the issues;</p> <p>iii) a description of any recommendations made by representatives or monitors from Aboriginal communities, whether these were implemented, and explanation why any recommendations from Aboriginal communities were not implemented; and</p> <p>iv) a description of any resources provided to Aboriginal communities that supported their participation in activities, including monitoring; and,</p> <p>g) provides proposed measures and the schedule that NGTL would implement to address ongoing issues or concerns, for Board approval.</p>	Condition 35, GC-125 FOR APPROVAL	A4Q5V4	Planned	Operations		Environmental Planner

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162	NEB	Certificate GC-125 Conditions	<p>36. Offsets Measures Plan for Residual Impacts to Caribou Habitat</p> <p>NGTL shall file with the Board for approval, a plan to offset all residual effects of the Aitken Creek Section 52 Facilities resulting from directly and indirectly disturbed critical habitat for caribou, after taking into account the implementation of the EPP and CHRP measures (Offset Measures Plan). NGTL shall provide a copy of the Offset Measures Plan to Environment Canada and the appropriate provincial authorities. The Offset Measures Plan for the Section 52 Facilities shall include:</p> <p>a) a preliminary version, to be filed with the Board for approval at least 90 days prior to requesting Leave to Open for the Aitken Creek section of the Section 52 Facilities, including, but not limited to, a discussion of:</p> <ul style="list-style-type: none"> i) an initial quantification of the area of critical habitat for caribou directly and indirectly disturbed; ii) a list of the potential on-the-ground offset measures available, the expected effectiveness of each, including a discussion of uncertainty, and how the measures align with criteria specified in the scientific literature specific to conservation offsets; iii) the relative quantitative and qualitative value of each measure towards achieving the offset; iv) the proposed offset ratios for each potential measure, based on consultation with expert agencies and on a review of the literature on conservation offsets; and v) decision framework that will be used to select which specific offset measures and accompanying offset ratios would be used under what circumstances; and <p>b) a final version, to be filed with the Board for approval on or before 1 February after the second complete growing season following the commencement of operation for the Aitken Creek section of the Section 52 Facilities, including:</p> <ul style="list-style-type: none"> i) the contents of the preliminary version, with any updates identified in a revision log that includes the rationale for any changes to decision making criteria; ii) a complete table listing the offset measures and offset ratios to be implemented or already underway, including site-specific details and map locations, and an explanation of how they meet criteria in the scientific literature for offsets; iii) a description of factors considered when determining the location for offset measures, including consideration of how the measures could maximize benefits to landscape variables; iv) a schedule indicating when offset measures will be initiated and the estimated date when implementation will be complete; and v) an assessment of the predicted effectiveness of the measures, including a discussion of uncertainty, and a quantitative compilation showing how the offset measures have offset the previously calculated residual effects; <p>c) Both the preliminary and final versions of the plan shall also include:</p> <ul style="list-style-type: none"> i) evidence of how consultation feedback from Environment Canada, provincial authorities and any potentially affected Aboriginal groups is integrated into the plan; and ii) any updates to applicable Recovery Strategy, Range and Action Plans, as well as range boundaries and identified critical habitat made prior and up to the date on which LTO is granted. 	Condition 36, GC-125 FOR APPROVAL	A4Q5V4	Planned	Post-construction		Environmental Planner

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163	NEB	Certificate GC-125 Conditions	<p>37. Caribou Habitat Restoration and Offset Measures Monitoring Program</p> <p>NGTL shall file with the Board for approval, on or before 1 February after the first complete growing season following the commencement of operation for each of the Aitken Creek and Kahta Sections of the Section 52 Facilities, a Program for monitoring and verifying the effectiveness of the caribou habitat restoration and offset measures implemented as part of the CHRP and Offset Measures Plan. This Caribou Habitat Restoration and Offset Measures Monitoring Program shall be for a minimum of 10 years and include, but not be limited to:</p> <ul style="list-style-type: none"> a) the scientific methodology or protocol for short-term and long-term monitoring of the restoration and offset measures, and the effectiveness of the measures; b) frequency, timing, locations and the rationale for each monitoring; c) protocols for how restoration and offset measures will be adapted, as required, based on the monitoring results from the implementation of either section of the Section 52 Facilities or other NGTL CHRPs and Offset Measures Plans; and d) a schedule for filing reports of monitoring results and the adaptive management responses, to the Board, Environment Canada and provincial authorities to be contained in the Caribou Habitat Restoration and Offset Measures Monitoring Program as well as at the beginning of each report filed. 	Condition 37, GC-125 FOR APPROVAL	A4Q5V4	Planned	Operations		Environmental Planner
164	NEB	Certificate GC-125 Conditions	<p>38. Caribou Monitoring Reports</p> <p>NGTL shall file with the Board, based on the schedule referred to in the Caribou Habitat Restoration and Offset Measures Monitoring Program, a report(s) outlining the results of the monitoring program.</p>	Condition 38, GC-125	A4Q5V4	Planned	Operations		Environmental Planner
165	NEB	Certificate GC-125 Conditions	<p>39. Post-Construction Monitoring Reports</p> <p>On or before 31 January after each of the first, third and fifth complete growing seasons following the commencement of operation of the Section 52 Facilities, NGTL shall file with the Board, a post-construction environmental monitoring report that:</p> <ul style="list-style-type: none"> a) describes the methodology used for monitoring, the criteria established for evaluating success and the results found; b) identifies any modifications for the criteria established for evaluating reclamation success described in its EPP, as approved by the Board, and the rationale for any modifications; c) identifies the issues to be monitored, including but not limited to unexpected issues that arose during construction, and their locations (e.g. on a map or diagram, in a table); d) describes the current status of the issues (resolved or unresolved), any deviations from plans and corrective actions undertaken; e) assesses the effectiveness of the mitigation (planned and corrective) measures applied against the criteria for success; f) includes details of consultation undertaken with the appropriate provincial and federal authorities; and g) provides proposed measures and the schedule that NGTL would implement to address ongoing issues or concerns. <p>The report shall address, but not be limited to, the issues pertaining to soils, weeds, watercourse crossings, wetlands, rare plants, wildlife and wildlife habitat, fish and fish habitat, species at risk, and any activities associated with the hydrostatic testing plans.</p>	Condition 39, GC-125	A4Q5V4	Planned	Operations		Environmental Planner

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166	NEB	Certificate GC-125 Conditions	<p>40. Geotechnical Report Regarding Slope Stability NGTL shall file with the Board, within 90 days of the completion of construction, a geotechnical report which includes:</p> <ul style="list-style-type: none"> a) the geotechnical observations; b) the field recommendations; c) how NGTL implemented the field recommendations during construction of the Section 52 Facilities; d) the location of trench breakers, drainage and erosion control measures; e) all of the slope stabilization techniques implemented; f) its recommendations with respect to follow up monitoring, notably at locations where inactive slide areas have been noted; g) a plan to follow up on the recommendations made in f); and h) a rationale for circumstances where field or other recommendations have not been implemented. 	Condition 40, GC-125	A4Q5V4	Planned	Post-construction		Project Engineer
167	NEB	Certificate GC-125 Conditions	<p>41. Geotechnical Report Regarding Muskeg NGTL shall file with the Board, within 90 days of the completion of construction, a geotechnical report which includes, but is not limited to:a) the muskeg observations;b) the field recommendations;c) how NGTL implemented the field recommendations during construction of the Section 52 Facilities;d) its recommendations with respect to follow up monitoring;e) a plan to follow up on the recommendations made; andf) a rationale for any instance where recommendations have not been implemented.</p>	Condition 41, GC-125	A4Q5V4	Planned	Post-construction		Project Engineer
168	NEB	Certificate GC-125 Conditions	<p>42. Geotechnical Report Regarding Permafrost NGTL shall file with the Board, within 90 days of the completion of construction, a geotechnical report which includes, but is not limited to:</p> <ul style="list-style-type: none"> a) the permafrost observations; b) the field recommendations; c) how NGTL implemented the field recommendations during construction of the Section 52 Facilities; d) its recommendations with respect to follow up monitoring; e) a plan to follow up on the recommendations made; and f) a rationale for any circumstances when recommendations are not followed. 	Condition 42, GC-125	A4Q5V4	Planned	Post-construction		Project Engineer
169	NEB	Certificate GC-125 Conditions	<p>43. Pipeline Geographic Information System (GIS) Data NGTL shall file with the Board, within one year after commencing operations, GIS data in the form of an Esri@shape file that contains pipeline segment centre lines, where each segment has a unique outside diameter, wall thickness, MOP, external coating, field-applied girth weld coating, and pipe manufacturing specification. If the above values of the pipeline change at any point along the length of the pipeline, the pipeline should be segmented at that point. NGTL shall also provide GIS locations and names of pump stations, terminals, custody transfer meters, and block valves, as applicable. The datum must be NAD83 and projection must be geographic (latitudes and longitudes).</p>	Condition 43, GC-125	A4Q5V4	Planned	Operations		Project Engineer

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170	NEB	Certificate GC-125 Conditions	44. Condition Compliance by a Company Officer Within 30 days of the date that the approved Section 52 Facilities are placed in service, NGTL shall file with the Board a confirmation, by an officer of the Company, that the approved Section 52 Facilities were completed and constructed in compliance with all applicable conditions in this Certificate. If compliance with any of the applicable conditions cannot be confirmed, the officer of the Company shall file with the Board details as to why compliance cannot be confirmed. Any filing required by this condition shall include a statement confirming that the signatory to the filing is an officer of the Company.	Condition 44, GC-125	A4Q5V4	Planned	Operations		Regulatory
171	NEB	Certificate GC-125 Conditions	45. Sunset Clause Unless the Board otherwise directs prior to 10 June 2016, this Certificate shall expire on 10 June 2016, unless construction in respect of the Section 52 Facility has commenced by that date.	Condition 45, GC-125	A4Q5V4	Planned	All Stages	On March 28, 2016, NGTL filed a letter with the Board requesting an extension of the Sunset Clause to June 10, 2017. (A76103-1)	Regulatory
172	NEB	Order XG-N081-010-2015 Conditions	1. Condition Compliance NGTL shall comply with all of the conditions contained in this Order, unless the Board otherwise directs.	Condition 1, Order XG-N081-010-2015	A4K5S2	In Progress	All Stages		Project Manager
173	NEB	Order XG-N081-010-2015 Conditions	2. Engineering NGTL shall cause the approved Section 58 Facilities to be constructed and operated in accordance with the specifications, standards and other information referred to in its Application or as otherwise agreed to during questioning and in its related submissions.	Condition 2, Order XG-N081-010-2015	A4K5S2	Planned	All Stages		Project Manager, Construction Manager
173	NEB	Order XG-N081-010-2015 Conditions	3. Implementation of Environmental Protection NGTL shall implement or cause to be implemented all of the policies, practices, programs, mitigation measures, recommendations and procedures for the protection of the environment included in or referred to in its Application or as otherwise agreed to during questioning and in its related submissions.	Condition 3, Order XG-N081-010-2015	A4K5S2	Planned	All Stages		Project Manager, Construction Manager, Environmental Planner
174	NEB	Order XG-N081-010-2015 Conditions	4. Project Confirmation and Contractual Commitments NGTL shall file with the Board, at least 30 days prior to commencing construction, a confirmation, by an officer of the Company, that: a) Progress Energy Canada Ltd. has made a positive final investment decision on the proposed Pacific Northwest LNG Project; b) TransCanada is proceeding with construction of the Prince Rupert Gas Transmission pipeline; and c) The Progress Delivery Project Expenditure Authorization and associated Service Documents for FT-D delivery service at the Mackie Creek Interconnection continue to be in effect for the quantity of 2,340 terajoules per day as detailed in Section 3 of NGTL's Application.	Condition 4, Order XG-N081-010-2015	A4K5S2	Planned	Pre-Construction		Project Manager

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175	NEB	Order XG-N081-010-2015 Conditions	<p>5. Commitments Tracking Table</p> <p>NGTL shall:</p> <p>a) file with the Board and post on its Project website, at least 30 days prior to the commencement of construction, a Commitments Tracking Table listing all commitments made by NGTL in its Application, and otherwise agreed to during questioning or in its related submissions, including reference to:</p> <p>i) the documentation in which the commitment appears (for example, the Application, responses to information requests, hearing transcripts, permit requirements, condition filings, or other);</p> <p>ii) the accountable lead for implementing each commitment; and</p> <p>iii) the estimated timelines associated with the fulfillment of each commitment.</p> <p>b) update the status of the commitments in a) on its Project website on a:</p> <p>i) monthly basis until the commencement of operation; and</p> <p>ii) quarterly basis until the end of the fifth (5th) year following the commencement of operation.; and</p> <p>c) maintain at its construction office(s):</p> <p>i) the Commitments Tracking Table listing all regulatory commitments and their completion status, including but not limited to those commitments resulting from NGTL's Application and subsequent filings and conditions from permits, authorizations and approvals;</p> <p>ii) copies of any permits, approvals or authorization for the Section 58 Facilities issued by federal, provincial or other permitting authorities, which include environmental conditions or site-specific mitigation or monitoring measures; and</p> <p>iii) any subsequent variances to any permits, approvals or authorizations in c) ii).</p>	Condition 5, Order XG-N081-010-2015	A4K5S2	In Progress	Pre-Construction/ Construction	<p>Filed CTT for Condition 21 s.52 Facilities and Condition 5 s. 58 Facilities</p> <ol style="list-style-type: none"> 1. June 26, 2015 (A4R0F4) 2. July 27, 2015 (A4R7L8) 3. August 27, 2015 (A4S9T7) 4. September 25, 2015 (A4T6D9) 5. October 27, 2015 (A4U7L8) 6. November 27, 2015 (A74312) 7. December 22, 2015 (A74902) 8. January 27, 2016 (A75306) 9. February 25, 2016 (A75634) 10. March 28, 2016 (A76104) 11. April 28, 2016 (A76640) 12. May 31, 2016 (A77264) 13. June 29, 2016 (A78285) 14. July 28, 2016 (A78733) 15. August 31, 2016 (A79225) 16. September 30, 2016 (A79692) 17. October 31, 2016 (A80363) 18. November 30, 2016 (A80853) 19. December 30, 2016 (A81174) 	All
176	NEB	Order XG-N081-010-2015 Conditions	<p>6. Heritage Resources</p> <p>NGTL shall file with the Board, at least 30 days prior to commencing construction of the Section 58 Facilities for each of the Aitken and Kahta Sections:</p> <p>a) copies of all archaeological and heritage resource permits and clearances obtained from BC Archaeology Branch; and</p> <p>b) a statement of how NGTL intends to implement any recommendations contained in a).</p>	Condition 6, Order XG-N081-010-2015	A4K5S2	Planned	Pre-Construction		Environmental Planner

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177	NEB	Order XG-N081-010-2015 Conditions	<p>7. Employment, Contracting and Procurement Monitoring Reports</p> <p>NGTL shall file with the Board, and send a copy to intervenors, at least 30 days prior to commencing construction, and every 180 days thereafter until completion of construction monitoring reports, on employment, contracting and procurement of Aboriginal groups, businesses and individuals for the construction of the Section 58 Facilities. The reports must include:</p> <p>a) a summary of the total employment, contracting and procurement of Aboriginal groups, businesses and individuals for construction of the Section 58 Facilities during the reporting period, including:</p> <ul style="list-style-type: none"> i) the number of Aboriginal individuals employed, and a summary description of the types of positions filled by Aboriginal employees during the reporting period; ii) a summary description of the contracts awarded to or executed with Aboriginal groups, businesses or individuals during the reporting period, and the total monetary values of these; iii) a summary description of procurement awarded to Aboriginal groups, businesses, or individuals during the reporting period, and the total monetary value of these; and, iv) a comparison of the totals and values described in a) i) through iii) in relation to NGTL's stated commitments for employment, contracting and procurement of Aboriginal groups, businesses and individuals for the construction of the Section 58 Facilities; and, <p>b) a summary of NGTL's consultation with Aboriginal groups for the Project, businesses or representatives regarding employment, contracting and procurement for the reporting period, including any issues or concerns raised and how NGTL has addressed or responded to them.</p> <p>NGTL shall file with the Board, within three months of completion of construction, and provide a copy to all affected Aboriginal groups, a final report on employment, contracting and procurement of Aboriginal groups, businesses and individuals during the construction phase.</p> <p>On or before 31 January after each of the first, third, fifth years following the commencement of operation of the section 58, NGTL shall file with the Board, and provide a copy to all affected Aboriginal groups, reports on employment, contracting and procurement regarding the Section 58 Facilities of Aboriginal groups, businesses and individuals for the Project, during each reporting period.</p>	Condition 7, Order XG-N081-010-2015	A4K5S2	Planned	All Stages		Project Manager, Aboriginal Contracts Advisor

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178	NEB	Order XG-N081-010-2015 Conditions	<p>8. Construction Training and Education Monitoring Reports</p> <p>NGTL shall file with the Board, and send a copy to intervenors, at least 30 days prior to commencing construction, and every 180 days thereafter until completion of construction, monitoring reports for the implementation and outcomes of training and education initiatives and opportunities provided to Aboriginal groups and individuals for the Project.</p> <p>The reports must include:</p> <p>a) a description of each training and education initiative and opportunity implemented during the reporting period, including duration, participant groups, delivery agency or institution, and intended outcomes;</p> <p>b) a description of any measures identified to address or meet the terms or commitments; and</p> <p>c) a summary of NGTL's consultation with relevant Aboriginal groups or representatives, government sponsors, industry associations, and delivery agencies or institutions regarding training and education initiatives and opportunities for the reporting period, including any issues or concerns raised and how NGTL has addressed or responded to them.</p> <p>NGTL shall file with the Board, and provide a copy to all affected Aboriginal groups, within three months of completion of construction, a final report on training and education initiatives and opportunities for Aboriginal groups and individuals during the construction phase.</p> <p>On or before 31 January after each of the first, third, fifth years following the commencement of operation of the Section 58 Facilities, NGTL shall file with the Board, and provide a copy to all affected Aboriginal groups, reports on training and education initiatives and opportunities provided to Aboriginal groups and individuals for the Project, during each reporting period.</p>		A4K5S2	Planned	All Stages		Project Manager, Aboriginal Contracts Advisor
179	NEB	Order XG-N081-010-2015 Conditions	<p>9. Environmental Protection Plan (EPP)</p> <p>NGTL shall file with the Board for approval, at least 45 days prior to commencing construction, an updated EPP (including Environmental Alignment Sheets) specific to the Section 58 Facilities. The EPP shall be a comprehensive compilation of all environmental protection procedures, mitigation measures, and monitoring commitments, as set out in NGTL's Application, subsequent filings, evidence collected during the hearing process, or as otherwise agreed to during questioning and in its related submissions. The EPP shall describe the criteria for the implementation of all procedures and measures.</p>	Condition 8, Order XG-N081-010-2015 FOR APPROVAL	A4K5S2	Approved	Pre-Construction	<p>Filed Condition 9 Section 58 Environmental Protection Plan and Environmental Alignment Sheet on July 22, 2015 (A71400). Awaiting Board ruling.</p> <p>On August 25, 2015 the Board approved the Environmental Protection Plan, pursuant to Condition 9 of the Order. (A4S9K1).</p>	Environmental Planner

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180	NEB	Order XG-N081-010-2015 Conditions	<p>10. Grizzly Bear Report</p> <p>For the Section 58 Facilities, if the Commencement of Construction will occur between 15 November and 1 May, NGTL shall file with the Board a Grizzly Bear Report, at least 14 days prior to commencing construction. The Grizzly Bear Report shall provide a summary of the results of the grizzly bear den sweeps to identify potential grizzly bear dens within 750 m of the Section 58 Facilities. The Grizzly Bear Report shall also include:</p> <p>a) if a grizzly bear den is found during a sweep, any newly-developed or modified mitigation measures as well as evidence of consultation with the appropriate federal and provincial authorities regarding the proposed mitigation;</p> <p>b) confirmation that no changes to the EPP are required as a result of the findings of a sweep or mitigation measures identified in a), or if changes are necessary, provide the EPP pages that have been amended.</p> <p>For each section of the Project, if no construction will occur on or after 15 November, NGTL shall file with the Board, at least 14 days prior to commencing construction, a letter indicating that the grizzly bear den survey will not be required.</p>	Condition 9, Order XG-N081-010-2015	A4K5S2	Planned	Pre-Construction		Environmental Planner
181	NEB	Order XG-N081-010-2015 Conditions	<p>11. Construction Progress Reports</p> <p>NGTL shall file with the Board, by the middle and end of each month during construction, construction progress reports. The reports shall include information on the activities carried out during the reporting period; any environmental, socio-economic, safety and security issues and issues of non-compliance; and the measures undertaken for the resolution of each issue and non-compliance.</p>	Condition 10, Order XG-N081-010-2015	A4K5S2	Planned	Construction		Construction Manager
182	NEB	Order XG-N081-010-2015 Conditions	<p>12. Quantification and Mitigation of Construction-Related Greenhouse Gas (GHG) Emissions</p> <p>NGTL shall file with the Board, at least 30 days prior to requesting Leave to Open, a quantitative assessment of GHG emissions directly related to the construction and clearing of the Section 58 Facilities, including but not limited to emissions generated by vehicles and equipment, land clearing and slash burning. In addition to the results of the assessment, the filing shall describe the calculation methodology used, identify assumptions and inputs, and describe what variables may affect the results. The filing shall also describe measures implemented to reduce GHG emissions and any measures implemented or planned to offset the GHG emissions.</p>	Condition 11, Order XG-N081-010-2015	A4K5S2	Planned	Construction		Environmental Planner
183	NEB	Order XG-N081-010-2015 Conditions	<p>13. Condition Compliance by a Company Officer</p> <p>Within 30 days of the date that the approved Section 58 Facilities are placed in service, NGTL shall file with the Board a confirmation, by an officer of the Company, that the approved Section 58 Facilities were completed and constructed in compliance with all applicable conditions in this Order.</p> <p>If compliance with any of the applicable conditions cannot be confirmed, the officer of the Company shall file with the Board details as to why compliance cannot be confirmed. Any filing required by this condition shall include a statement confirming that the signatory to the filing is an officer of the Company.</p>	Condition 13, Order XG-N081-010-2015	A4K5S2	Planned	Operations		Regulatory
184	NEB	Order XG-N081-010-2015 Conditions	<p>14. Sunset Clause</p> <p>Unless the Board otherwise directs prior to 10 June 2016, this Order shall expire on 10 June 2016, unless construction in respect of the Section 58 Facilities has commenced by that date.</p>	Condition 14, Order XG-N081-010-2015	A4K5S2	Planned	All Stages	On March 28, 2016, NGTL filed a letter with the Board requesting an extension of the Sunset Clause to June 10, 2017. (A76103-1)	Regulatory

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185	NEB	Order TG-002-2015 Conditions	<p>1. North Montney Cost Pool Before commencing construction, as that term is defined in the Certificate conditions, NGTL shall establish a cost pool for the Project that is separate from the cost pool for the existing NGTL System (North Montney Cost Pool).</p> <p>a) NGTL shall maintain accounting records capable of providing separate and verifiable information in support of the amounts reported for the North Montney Cost Pool.</p> <p>b) The North Montney Cost Pool accounting records shall be maintained for the life of the Project, unless otherwise directed by the Board, in a manner consistent with NGTL's system of accounts and corporate accounting policies.</p> <p>c) NGTL shall record sufficient information in the plant and other balance sheet accounts and income accounts in the North Montney Cost Pool accounting records so that NGTL can provide the Board with the following annual information:</p> <p>i) revenue requirement summary, including operating expense components and depreciation;</p> <p>ii) income summary;</p> <p>iii) rate base summary;</p> <p>iv) return on rate base, including cost of debt and equity components;</p> <p>v) abandonment accounts;</p> <p>vi) summary of revenue by class of service;</p> <p>vii) inter-cost pool transactions; andviii) any balances held in deferral accounts</p>	Condition 1, TG-002-2015	A4K5S4	In Progress	Pre-Construction		Commercial/Tolls and Tariffs
186	NEB	Order TG-002-2015 Conditions	<p>2. Tolling Methodology for the Transition Period The Transition Period is the period that starts when gas begins to flow on the Project and expires when North Montney gas production is first delivered at the Mackie Creek Interconnection, which is the point on the Project that NGTL proposes to designate as a Group 1 delivery point and through which gas will flow to the PRGT pipeline.</p> <p>For each year and part year during the Transition Period:</p> <p>a) NGTL shall compute its tolls using the sum of the revenue requirement of the Project and the revenue requirement of the existing NGTL System;</p> <p>b) NGTL shall record the difference between the Project revenue and Project revenue requirement (cost of service) in a deferral account and carry the amount forward to the end of the Transition Period; and</p> <p>c) no later than 31 March of the year following the expiration of the Transition Period, NGTL shall apply to the Board for approval of the disposition of the balance in the deferral account.</p>	Condition 2, TG-002-2015 FOR APPROVAL	A4K5S4	Planned	Operations		Commercial/Tolls and Tariffs

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187	NEB	Order TG-002-2015 Conditions	<p>3. Filing Requirements Using the information from the North Montney Cost Pool accounting records, NGTL shall file with the Board:</p> <p>a) within 60 days after a Certificate is issued for the Project: pro forma revenue requirement, pro forma rate base, estimated return on rate base and a summary of estimated shipper revenue by class of service;</p> <p>b) within 60 days after a Certificate is issued for the Project, NGTL's proposed eligibility criteria for including incremental delivery revenue generated from gas deliveries to delivery points on the existing NGTL System during the Transition Period, for Board approval;</p> <p>c) within 30 days after the Board grants leave to open for this Project, up-to-date estimates for revenue requirement, rate base, rate of return and shipper revenue by service class; and</p> <p>d) at the same time that NGTL files its Quarterly Surveillance Report, NGTL shall file similar information for the Project.</p>	<p>Condition 3 part a), TG-002-2015</p> <p>Condition 3 part b), TG-002-2015 FOR APPROVAL</p> <p>Condition 3 part c), TG-002-2015</p> <p>Condition 3 part d), TG-002-2015</p>	<p>A4K5S4</p> <p>A4K5S4</p> <p>A4K5S4</p> <p>A4K5S4</p>	<p>Complete</p> <p>Approval Pending</p> <p>Planned</p> <p>Planned</p>	<p>Pre-Construction</p> <p>Pre-Construction</p> <p>Operations</p> <p>Operations</p>	<p>Filed Condition 3 part a) and part b) of Order TG-002-2015 in August 7, 2015 (A4S0K4).</p>	Commercial/Tolls and Tariffs
188	NEB	Order TG-002-2015 Conditions	<p>4. Default Tolling Methodology Post-Transition Period Within six months of the expiration of Transition Period, NGTL shall calculate the tolls for services on the Project using a stand-alone tolling methodology, unless NGTL files an application with the Board pursuant to subsection 60(1)(b) of the NEB Act for a tolling methodology other than the default tolling methodology, and the Board subsequently approves that other tolling methodology.</p>	Condition 4, TG-002-2015	A4K5S4	Planned	Operations		Commercial/Tolls and Tariffs
189	NEB	Order TG-002-2015 Conditions	<p>5. Sunset Clause Unless the Board otherwise directs, the Transition Period expires no later than 48 months after the date on which gas initially flows on the Project.</p>	Condition 5, TG-002-2015	A4K5S4	Planned	All Stages		Regulatory
190	NEB	Certificate GC-125 Condition 11	Please note that the Board provided SFN and WMFN with an opportunity to comment on the PMTPP when it is filed with the Board for approval pursuant to Condition 11 and directed them to file any comments on or before noon Calgary time, 14 calendar days from the date NGTL's PMTPP is filed with the Board for approval. NGTL was directed to file any reply comments on or before noon Calgary time, 3 business days from SFN and WMFN's comment deadline.	National Energy Board - Letter regarding NOVA Gas Transmission Ltd. North Montney Project GC-125 Conditions 11 and 12	A71387	Complete	Pre-Construction	Filed Condition 11 – Peace Moberly Tract Protection Plan (PMTPP) on December 1, 2015 (A74426). Awaiting Board ruling. Board Approved PMTPP on May 27, 2016 (A77205).	Environmental Planner, Regulatory
191	NEB	Certificate GC-125 Condition 12	The Board expects NGTL to modify its planned schedule as set out in its PMTPP Consultation Plan pursuant to part c) of Condition 12. The Board directs NGTL to provide its modified schedule to the Board, SFN, West Moberly First Nation and relevant provincial or federal departments or authorities on or before noon Calgary time 28 July 2015.	National Energy Board - Letter regarding NOVA Gas Transmission Ltd. North Montney Project GC-125 Conditions 11 and 12	A71387	Complete	Pre-Construction	NGTL filed the PMTPP modified schedule to the Board and requested parties on July 28, 2015 (A71493).	Environmental Planner, Regulatory
192	NEB	Engineering Matters	Prior to construction, NGTL will advise the Board of the final crossing method for the BC Hydro railway crossing along the Aitken Creek section.	NGTL Letter to NEB regarding Horizontal Direction Drill Feasibility Studies, June 3, 2014	A3X5R1	Planned	Pre-Construction		Project Engineer
193	BC FLNRO Archaeology Branch	Environmental Matters	As a condition of the Alteration Permit 2015-0238, a permit report is required to be submitted by December 15, 2017 to the Archaeology Branch.	Alteration Permit	Permit 2015-0238	Planned	Construction		Environmental Planner
194	NEB/ SFN/ WMFN	Construction Matters	To the extent feasible, construction will be conducted during frozen conditions. Due to the duration of some activities (e.g., the horizontal directional drill (HDD) of the Peace River), some activities will occur outside of frozen conditions. At a minimum, NGTL commits to conducting ditching and pipe installation in frozen conditions regardless of when the Project clears its conditions of approval.	PMTPP, Page 5, 44	NEB Filing ID: A74426-2	Planned	Construction		Project Manager, Construction Manager

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195	SFN/ WMFN/MLIB	Aboriginal Engagement Matters	NGTL has committed to the implementation of the Aboriginal Construction Training Program. During construction one participant from each SFN, WMFN, and MLIB who has expressed interest in the construction and environmental aspects of pipeline development and a desire to further their knowledge and experience in the field will be selected to participate.	PMTTP, Page 9	NEB Filing ID: A74426-2	Planned	Construction		Construction Manager
196	SFN/ WMFN	Aboriginal Engagement Matters	TLU ground truthing information that is received after the submission of the PMTTP but in advance of construction will be reviewed and consideration will be given to planning mitigation which could include altering construction activities to minimize or avoid disturbance to identified TLU sites to the extent feasible.	PMTTP, Page 15	NEB Filing ID: A74426-2	Ongoing	Pre-construction		Engagement Lead, Environmental Planner
197	SFN/ WMFN	Aboriginal Engagement Matters	Details of site specific values were provided in the confidential addendum that was provided to NGTL on November 27, 2015. Following its review of this information, NGTL has determined that the EPP and PMTTP mitigations will address all site specific values that will be directly affected by the Project. Only one of the site specific values will be disturbed by the Project footprint. This site specific value was previously identified by NGTL and considered in the development of the EPP. This value, as well as all other site specific values identified in the SFN Report and confidential addendum, will be mitigated through the implementation of the EPP. NGTL will reply to SFN directly with further detail regarding how each of these site specific values will be mitigated.	PMTTP, Page 15	NEB Filing ID: A74426-2	Complete	Pre-construction	On December 18, 2015, NGTL replied directly (confidentially) to SFN in response to the Confidential Groundtruthing Information.	Environmental Planner, Engagement Lead
198	SFN/ WMFN	Aboriginal Engagement Matters	In response to SFN's request, NGTL will implement the Fisher Den Box Implementation Plan for the PMT and provide SFN and WMFN with fisher den boxes.	PMTTP, Page 22	NEB Filing ID: A74426-2	Planned	Pre-construction	The Fisher Den Box Implementation Plan for the PMT is included in Appendix E of the PMTTP.	Environmental Planner, Engagement Lead
199	SFN/ WMFN	Aboriginal Engagement Matters	NGTL remains open to participating in a site visit of the PMT with local SFN/WMFN members.	PMTTP, Page 23	NEB Filing ID: A74426-2	Pending	Pre-construction	To date no response has been received from SFN or WMFN.	Project Manager
200	NEB/ SFN/ WMFN	Environmental Matters/Aboriginal Engagement Matters	Mitigation found in Section 5.0 of the PMTTP will be implemented by NGTL's contractor(s) and subcontractor(s) before the initiation of ground disturbance activities.	PMTTP, Page 30, 31	NEB Filing ID: A74426-2	Planned	Pre-construction		Construction Manager
201	NEB/ SFN/ WMFN	Environmental Matters/Aboriginal Engagement Matters	Before beginning work on the Project, all workers will receive a Project orientation and be advised that if they show disregard for the policies and plans applicable to the Project, including the EPP, appropriate disciplinary measures will be taken. These measures could include reprimands, retraining, reassignment, removal from the job site or termination.	PMTTP, Page 31	NEB Filing ID: A74426-2	Planned	Pre-construction		Construction Manager
202	SFN/ WMFN	Environmental Matters	NGTL will implement and evaluate the mitigation measures as outlined in Table 6-2 of the PMTTP.	PMTTP, Page 35 - 43	NEB Filing ID: A74426-2	Planned	Construction and Post Construction		Construction Manager, Environmental Planner
203	NEB/ SFN/ WMFN	Environmental Matters	NGTL has committed to not accept or construct commercial tie-ins to the North Montney Pipeline within the PMT and no new access will be built into the PMT.	PMTTP, Page 44	NEB Filing ID: A74426-2	Ongoing	Construction and Post Construction		Project Manager
204	NEB/ SFN/ WMFN	Environmental Matters	To reduce the effect of the pipeline ROW in the PMT, NGTL is proposing two bore locations.	PMTTP, Page 44	NEB Filing ID: A74426-2	Planned	Construction		Project Manager, Construction Manager
205	NEB/ SFN/ WMFN	Environmental Matters	NGTL has reviewed the proposed mix-bury-cover locations associated with the Peace River HDD. In an effort to reduce the amount of disturbance in the PMT, NGTL has removed those mix-bury-cover locations within the PMT.	PMTTP, Page 44	NEB Filing ID: A74426-2	Complete	Planning	If additional HDDs are proposed in the PMT (e.g., to replace the currently proposed bores), NGTL will require mix-bury-cover locations within the PMT.	Project Manager, Construction Manager
206	SFN/ WMFN	Aboriginal Engagement Matters	NGTL will implement the Heritage Resources Contingency Plan, TLU Sites Discovery Contingency Plan, and Wildlife Species of Concern Discovery Contingency Plan as planned across the Project. If a contingency plan is required to be implemented in the PMT, NGTL will implement the additional measures as described in Section 6.4.1 of the PMTTP under "Contingency Plans".	PMTTP, Page 45	NEB Filing ID: A74426-2	Planned	Construction		Project Manager, Environmental Planner, Construction Manager

North Montney Mainline Project – Commitment Tracking Table #20
(November 8, 2013 to January 15, 2017)

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (Exhibit No./ Filing ID)	Status	Project Phase	Comments	Accountability
207	SFN/ WMFN	Aboriginal Engagement Matters	NGTL will implement the Construction Site Visit Monitoring Program (CSVMP) within the PMT in addition to the project-wide Aboriginal Construction Training Program (ACTP).	PMTTP, Page 45, 46	NEB Filing ID: A74426-2	Planned	Construction	As part of the PMTTP Construction Site Visit Monitoring Program (see Section 6.4.1 for more details) SFN and WMFN will be offered an opportunity to be on-site during beaver dam removals.	Project Manager, Engagement Lead, Construction Manager
208	SFN/ WMFN	Environmental Matters	NGTL will implement the Reclamation Plan found in Appendix D of the PMTTP.	PMTTP, Page 45, 47	NEB Filing ID: A74426-2	Ongoing	Post Construction	In July 2016, Stantec, along with SFN and WMFN community members, completed the baseline work for the Reclamation Plan and the setup of monitoring plots.	Environmental Planner, Construction Manager
209	SFN	Aboriginal Engagement Matters	NGTL is committed to retaining the Twins Sisters Nursery (TSN) for the purposes of providing revegetation planting and implementation services as a component of the Project's Reclamation program within the PMT. Services such as seed and plant material collection from within the PMT, seedling propagation and supply, native seed application and seedling planting. If TSN does not have sufficient capacity to provide these services NGTL will utilize additional qualified reclamation contractors for see suppliers.	PMTTP, Page 47	NEB Filing ID: A74426-2	Planned	Post Construction		Project Manager, Engagement Lead, Construction Manager
210	NEB	Environmental Matters	NGTL will implement active reclamation across the PMT based on areas associated with visual blocks and temporary access roads around the bore locations. The remainder of the project will be reclaimed using natural recovery methods as described during the NEB hearing.	PMTTP, Page 47	NEB Filing ID: A74426-2	Planned	Post Construction		Environmental Planner
211	SFN/ WMFN	Aboriginal Engagement Matters	The location of visual blocks within the PMT will be finalized prior to final clean up and reviewed with SFN and WMFN.	PMTTP, Page 47	NEB Filing ID: A74426-2	Planned	Post Construction		Engagement Lead, Environmental Planner
212	SFN/ WMFN	Aboriginal Engagement Matters	NGTL will provide SFN and WMFN with PMT Offset Funding which could be used towards cultural transmission initiatives at the discretion of each community. NGTL is prepared to commit \$2 million to each of SFN and WMFN for the preservation of traditional values within the PMT.	PMTTP, Page 52	NEB Filing ID: A74426-2	Planned	All Stages	The PMT Offset Fund will be established subject to confirmation of the start of Project construction in the PMT.	Project Manager
213	SFN/ WMFN	Aboriginal Engagement Matters	NGTL commits to provide opportunities and funding for members of WMFN and SFN to participate in annual post construction site visits with NGTL staff within the PMT for 5 years after construction is complete. The purpose of this work is to monitor and assess the effectiveness of mitigation and allow for the implementation of adaptive mitigation strategies.	PMTTP, Page 53	NEB Filing ID: A74426-2	Planned	Post Construction		Project Manager, Engagement Lead
214	NEB/ SFN/ WMFN	Aboriginal Engagement Matters	Open houses that are coordinated with the PMT monitoring report requirements of NEB condition 35 will occur within the community sufficiently in advance (e.g. 3 months) of the submission of the monitoring reports for the PMT. Open houses would occur in the first, third, and fifth complete growing seasons following commencement of pipeline operations.	PMTTP, Page 53, 56	NEB Filing ID: A74426-2	Planned	Post Construction		Engagement Lead
215	NEB	Environmental Matters	NGTL will document locations of potential concern identified during construction related to weeds, vegetation establishment, general right-of-way conditions, water crossing stability, and reclamation success.	PMTTP, Page 55	NEB Filing ID: A74426-2	Planned	Construction		Environmental Planner
216	SFN/ WMFN	Environmental Matters	NGTL will apply an adaptive management approach to reclamation within the PMT. Feedback collected during post construction site visits and annual open houses with First Nations will be reviewed by the PCM team and incorporated into the adaptive management process to evaluate the effectiveness of mitigations. Should monitoring identify management measures or locations that are ineffective or the goals of post construction monitoring are not being achieved adaptive management will be triggered and corrective measures implemented.	PMTTP, Page 55	NEB Filing ID: A74426-2	Planned	Post Construction		Project Manager, Environmental Planner, Construction Manager

**North Montney Mainline Project – Commitment Tracking Table #20
(November 8, 2013 to January 15, 2017)**

Commitment Number	Commitment To	Category	Description of Commitment	Source	Document References (Exhibit No./ Filing ID)	Status	Project Phase	Comments	Accountability
217	SFN/ WMFN	Aboriginal Engagement Matters	NGTL will provide SFN and WMFN with a copy of the monitoring reports for their review in advance of submission to the NEB. This will provide the opportunity for the First Nations to validate the characterization of the information provided by their Nations within the monitoring reports, on a timeline that meets its obligations for submission of these monitoring reports to the NEB.	PMTTP, Page 56	NEB Filing ID: A74426-2	Planned	Post Construction		Engagement Lead