



450 – 1 Street SW
Calgary, Alberta T2P 5H1

Tel: (403) 920-7816
Fax: (403) 920-2347
Email: crystal_begin@transcanada.com

July 31, 2019

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 June 16, 2019 to July 15, 2019.

As required, NGTL has posted the North Montney Project Commitment Tracking Table on TransCanada's external webpage for the Project at <https://www.tcenergy.com/operations/natural-gas/north-montney-mainline-project/>.

If the Board requires additional information with respect to this filing, please contact me at (403) 920-7816, or by email at crystal_begin@transcanada.com.

Yours truly,
NOVA Gas Transmission Ltd.

Original signed by R. MacLeod

Crystal Begin
Regulatory Project Manager
Regulatory Facilities, Canadian Natural Gas Pipelines

Enclosure

North Montney Project – Commitment Tracking Table No. 45
(November 8, 2013 to July 15, 2019)

| 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 | NGTL continues to work with successful contractors to provide employment opportunities for qualified local residents, the outcomes of which continue to be reported in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | 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 | NGTL continues to support local communities by providing contracting and employment opportunities to qualified Aboriginal and local businesses, the outcomes of which continue to be reported in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | 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 | NGTL continues to track these commitments in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | 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) | Complete | 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) | Complete | Pre-Construction | NGTL has implemented the Aboriginal Construction Participation Program for the Aitken Section and will implement the same program for the Kahta Section. | 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 |

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(November 8, 2013 to July 15, 2019)

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| 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 | Pre-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 | NGTL continues to work with qualified contractors for employment and providing training opportunities. the outcomes of which continue to be reported in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | 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) | Complete | Construction | NGTL prohibited firearms at camps and the worksite unless required for employment safety to complete wildlife monitoring. | Project Manager |
| 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 |
| | | | | | | | | Commitment 16 has been removed as it is effectively addressed by GC-125 conditions 32 and 33. | |
| 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 |
| | | | | | | | | Commitment 19 has been removed as it is effectively addressed by GC-125 Condition 27a., and b | |
| 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 |

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| 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 |
| 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) | Complete | Pre-construction | No areas were identified with the potential for groundwater interaction. No monitoring or reporting plans are required. | 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) | Complete | Construction | There were no fresh pine beetle infestations observed during clearing. | 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) | Complete | Construction | NGTL has included information regarding caribou conservation and the requirements outlined in the Preliminary CHRP in the construction contractor training material. | 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 PCMMP | 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) | Complete | Pre-Construction | NGTL has included information on the ACCI and the PMT in the construction contractor training material. | 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 | NGTL has provided the Prime Contractors with TransCanada Health and Safety Standards. Site Specific safety plans have been developed with consultation from NGTL for each Prime Contracting spread. | 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 |
| | | | | | | | | Commitment 42 has been removed as it is effectively addressed by GC-125 conditions 19 c) and 26. | |
| 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 Information was withdrawn on November 18, 2014 (Transcript Vol 11 to GH-001-2014 line 14010) | 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 | For the Aitken Section, RFPs for Camp and Catering Services and Right of Way Clearing and Hauling were issued and are closed. Awards for Camp and Catering Services and clearing have been issued to successful Aboriginal partnerships. Awards of, medical and security opportunities were awarded by the general contractor to successful Aboriginal partnerships. For the Kahta Section, the project will utilize existing accommodations and therefore no new camp or catering services are required. RFP for Right of Way Clearing and Hauling has been issued and proposals are being evaluated. Awards of, 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) | Ongoing | Pre-Construction/ Construction | NGTL continues to work with the local Aboriginal communities to identify qualified contractors and workers that might be interested in working on the Project, the outcomes of which continue to be reported in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | Project Manager and Aboriginal Contracts Advisor |

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| 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) | Ongoing | Construction/ Post-Construction | On December 4, 2018, NGTL met with FLNRORD to discuss proposed updates to the Pine River Reclamation Plan (the Plan) (Appendix 1G of the EPP). FLNRORD was fully consulted on the revised plans for the Dunes and is satisfied with NGTL's proposed changes. On December 13, 2018, NGTL filed with the NEB the proposed revised Plan as a blacklined version. | 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 |
| 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) | Complete | Construction | NGTL has included information on the ACCI and the PMT in the construction contractor training material. | 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) | Ongoing | 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 |

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| 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 | Following eight months of consultation with Northern Health, NGTL received an approved Health and Medical Services Plan for the Project. Regular reporting and follow up intervals are included in the Plan. | 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) | Ongoing | Construction | NGTL continues to track these commitments in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | 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) | Complete | 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. NGTL and the conditionally awarded prime contractors met with the City of Fort St John in July 2018 to discuss construction and traffic management for the Project, including the anticipated 6 and 1 shift schedule. The primes shared their plans for mitigating traffic impacts in the region and committed to keeping the City informed of any anticipated surges in traffic. No additional concerns were raised. | 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 | NGTL provided Aboriginal communities with the Aitken Creek Section Construction Schedule as per NEB Condition 22 as filed with the NEB on July 24, 2018. NGTL continues to provide Aboriginal communities with construction update notifications. | Engagement Lead |
| 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) | Ongoing | Pre-Construction/ Construction | NGTL continues to work with local Aboriginal communities to identify qualified contractors and workers that may be interested in working on the project, the outcomes of which continue to be reported in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | 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) | Ongoing | Pre-Construction/ Construction | NGTL continues to work with local Aboriginal communities to identify qualified contractors and workers that may be interested in working on the project, the outcomes of which continue to be reported in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | Project Manager, Engagement Lead, Aboriginal Contracts Advisor |

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| 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 and 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 and 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 | NGTL provided SFN with an update on the status of contracting and Request For Proposal opportunities relating to the Project on September 18, 2017. NGTL continues to provide SFN with information regarding contracting and employment opportunities. | 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 | NGTL provided WMFN with an update on the status of contracting and Request For Proposal opportunities relating to the Project on September 18, 2017. NGTL continues to provide WMFN with information regarding contracting and employment opportunities. | 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. NGTL has entered into an agreement on August 7, 2014, which requires NGTL to remediate any damage resulting from construction, including any erosion along the 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) | Ongoing | 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 | On October 30, 2014, NGTL sent the Reaume's the North Montney Groundbirch Baseline Report containing results if the acoustic environment within the area of the of the proposed Groundbirch Compressor Station that is nearest their property. | 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/ KLMS/ 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. As requested by NEB IR 2.15, NGTL provided monthly engagement updates to the NEB beginning in April 2014 and providing its last update in October 2014 to complete this requirement (NEB Filing IDs: A3W2W5, A3X4Z8, A3Y6G4, A3Z7T5, A4A6X6, A4C5V4, and A64060). 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 |

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| 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) | Ongoing | Construction | No fossils were encountered during construction of the Aitken Creek Section. | Environmental Planner |
| 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) | Complete | Pre-Construction | On May 24, 2018, NGTL received the Project's Amphibian Salvage Permit issued under the British Columbia <i>Wildlife Act</i> . During amphibian salvage activities, NGTL followed the Western Toad Mitigation Measure as well as the conditions outlined in the Amphibian Salvage Permit issued under the British Columbia <i>Wildlife Act</i> . | 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) | Complete | Pre-Construction | The BBNMP is included in the EPP currently on file with the NEB. NGTL avoided the key nesting period for migratory birds. In the event that future work does occur within the key nesting period for migratory bird, NGTL will apply the BBNMP as applicable. | 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) | Complete | Construction | The BBNMP is included in the EPP currently on file with the NEB. NGTL avoided the key nesting period for migratory birds. In the event that future work does occur within the key nesting period for migratory bird, NGTL will apply the BBNMP as applicable. | Environmental Planner |

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| 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 |
| 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) | 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. The commitment for any TLU locations that are identified during construction is provided in Commitment No. 89. | 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) | In Progress | Construction | For the Aitken Creek Section, there were no western toad breeding or dispersal areas encountered during the amphibian period. Reporting of adult western toad locations will be completed as part of the amphibian salvage permit requirements | 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) | Ongoing | Pre-Construction/ Construction | Mainline pipeline construction activities for the Aitken Creek Section occurred outside of the breeding season for migratory birds. NGTL has reviewed publicly available data and has not identified any new information regarding yellow rail. | 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) | Ongoing | All Stages | Mainline pipeline construction activities for the Aitken Creek Section occurred outside of the breeding season for trumpeter swans. NGTL has reviewed publicly available data and has not identified any new information regarding trumpeter swans. | 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) | Ongoing | 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 |

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|-------------------|---------------|-------------------------------|---|--|--|----------|-------------------|---|--|
| 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-reroutes 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 | See comments under commitment 50. | Environmental Planner |
| 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) | 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. The commitment for any TLU locations that are identified during construction is provided in Commitment No. 89. | 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) | Complete | Pre-Construction | The Project is no longer within the vicinity of the mineral lick located on the south side of the Sikanni Chief River watercourse crossing and therefore this commitment no longer applies. | Environmental Planner |

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| 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 (A4R814) 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) | 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. The commitment for any TLU locations that are identified during construction is provided in Commitment No. 89. | Engagement Lead, Environmental Planner |
| 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) | Complete | Pre-Construction | Upon review of the location of the RCMP trail, the Project no longer intersects the trail. | 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 |

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| 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) | 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. The commitment for any TLU locations that are identified during construction is provided in Commitment No. 89. | 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 | NGTL provided SFN with a copy of the draft supplemental Access Management Plan as directed by BCEAO condition 14 on September 12, 2017 for review and comment. | Engagement Lead |
| 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 (A4R814) 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 |

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| 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) | In Progress | Construction | NGTL continues to support local communities by providing contracting and employment opportunities to qualified Aboriginal and local businesses, the outcomes of which continue to be reported in accordance with Certificate GC-125 Conditions 8 and 9 and Order XG-N081-010-2015 Condition 7 and 8. | 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 | Submitted request for relief to Conditions 14 and 23 on December 13, 2018 (A96656). NEB approved Condition 14 relief related to Pine River Dunes on January 17, 2019 and indicated that relief was not required for Condition 23 as the change was related to moving from one trenchless to another. (A97405). Submitted a request for relief to Conditions 14 and 23 (Peace River DPI) on March 14, 2019 (A98333). The NEB approved relief for Condition 14 at the Pine River Dunes on March 15, 2019 (A98364). | 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 | In Progress | 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 | In Progress | All Stages | Mitigation measures in the EPP and other environmental commitments are being implemented during mainline pipeline construction on the Aitken Creek Section. Project construction commenced on August 13, 2018 | 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. IT IS ORDERED THAT, pursuant to subsection 21(2) of the NEB Act, Condition 4 of the Certificate is rescinded for the following facilities only: <ul style="list-style-type: none"> • Aitken Creek Section (182 km NPS 42) • Kahta Section (the southern-most 24 km NPS 42, shortened by 95 km) • Two compressor stations: <ul style="list-style-type: none"> • The Saturn compressor station (one 15 MW unit) that will be located on the Aitken Creek section. • The Groundbirch compressor station (two 15 MW units) located on the existing Groundbirch Mainline. | Condition 4, GC-125 Amended by Order AO-003-GC-125 July 3, 2018 | A4Q5V4 | Complete | Pre-Construction | Filed Variance Application March 20, 2017 (A82147). NEB issued Order AO-003-GC-125 on July 3, 2018 (A92807-3) | 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> <p>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</p> <p>b) a statement on how NGTL intends to implement any recommendations contained in the permits and clearances referred to in a) above.</p> | Condition 5, GC-125 | A4Q5V4 | Complete | Pre-Construction | Filed on May 11, 2018 (A91928) | 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> <p>a) a summary of any issues or concerns raised by municipalities and regional authorities; and</p> <p>b) a description of how these issues and concerns are addressed in the Traffic Control Management Plan.</p> | Condition 6, GC-125 | A4Q5V4 | In Progress | Pre-Construction | <p>Filed on the following dates:</p> <ul style="list-style-type: none"> • Aitken Creek Section: December 10, 2015 (A74604) • Groundbirch Compressor Station: July 4, 2018 (A92831) • Saturn Compressor Station: April 25, 2019 (A99062) • Altares and Gundy Meter Stations: May 1, 2019 (A99226) | 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> <p>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;</p> <p>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;</p> <p>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</p> <p>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.</p> | Condition 7, GC-125 FOR APPROVAL | A4Q5V4 | Approved | Pre-Construction | <p>Filed Condition 7 Outstanding Traditional Land Use Investigations on July 30, 2015 (A4R814).</p> <p>On November 30, 2015, the Board approved NGTL's Outstanding Traditional Land Use Investigations report (A74397).</p> | Engagement Lead |
| 134 | NEB | Certificate GC-125 Conditions | <p>8. Employment, Contracting and Procurement 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 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> | Condition 8, GC-125 | A4Q5V4 | Ongoing Completed initial report | All Stages | <p>Filed initial report on May 7, 2018 (A91925)</p> <p>Second Report filed November 2, 2018 (A95374).</p> <p>Third Report filed April 30, 2019 (A99157).</p> | Project Manager, Aboriginal Contracts Advisor |

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| | | | 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 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 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. 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. | | | | | | |
| 135 | | Certificate GC-125 Conditions | 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: 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. 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. | Condition 9, GC-125 | A4Q5V4 | Ongoing | All Stages | Filed initial report on May 7, 2018 (A91926) Second Report filed November 2, 2017 (A95373). Third Report filed April 30, 2019 (A99158). | Project Manager, Aboriginal Contracts Advisor |

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| 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> <p>a) a summary of the consultation activities undertaken, including:</p> <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 v) a description of the resources provided to PRFN that supported its participation in consultation activities; and <p>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:</p> <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, GC-125 | A4Q5V4 | Not applicable | Pre-Construction | NGTL continues to follow up with Prophet River First Nation to schedule a field visit This crossing location is not included in the Variance Facilities that were approved in Amending Order AO-003-GC-125 approved July 3, 2018 | Engagement Lead |
| | | | | Condition 10, part b) FOR APPROVAL | | | | | |
| 137 | NEB | Certificate GC-125 Conditions | <p>11. Peace Moberly Tract Protection Plan (PMTTP) 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> <p>a) the goals and measureable objectives of the PMTTP;</p> <p>b) an identification and rationale of biophysical and socio-economic elements to be included in the PMTTP;</p> <p>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:</p> <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: | 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) | | | <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 <p>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:</p> <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 <p>e) a description and justification for how NGTL has incorporated the results of consultation with Aboriginal groups and government authorities into the plan, including:</p> <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; <p>f) methods for determining the extent of non-avoidable effects on b) within the PMT;</p> <p>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</p> <p>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.</p> | | | | | | |
| 138 | NEB | Certificate GC-125 Conditions | <p>12. Peace Moberly Tract Protection Plan (PMTTP) – Consultation Plan</p> <p>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:</p> <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: | 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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| | | | <ul style="list-style-type: none"> i) how available and applicable traditional land and resource use studies will be considered and incorporated in the PMTPP; 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 PMTPP, including the process and criteria for any concerns or proposed measures that will not be incorporated into the PMTPP; 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 PMTPP. | | | | | | |
| 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 | Approved | Pre-Construction | Filed March 2, 2017 (A81959). Visual Impact Mitigation Plan approved by the Board on August 8, 2018 (A93430). | 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: | Condition 14, GC-125 FOR APPROVAL | A4Q5V4 | Approved Updated EPP approved | Pre-Construction | Filed Condition 14 Environmental Protection Plan and Alignment Sheets on August 18, 2015 (A72124). On November 6, 2015, the Board approved NGTL's EPP (A73763-1). Filed update to EPP on June 11, 2018 (A92423). Updated EPP approved by the Board on August 8, 2018 (A93431) | Environmental Planner |

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| 140 (cont'd) | | | <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; andiii) 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 iii) a description of the specific deterrent and relocation measures that will be implemented if western toad is discovered on the RoW during construction. e) environmental alignment sheets, for the construction and operation of the Section 52 Facilities; and f) evidence demonstrating that: <ul style="list-style-type: none"> 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 ii) consultation took place with relevant government authorities, where applicable. <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) 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> <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> i) the goals and measureable objectives of the CHRP; 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; iii) a literature review on which the decision frameworks are based including: <ul style="list-style-type: none"> a. an identification of temporal and special caribou habitat restoration methodologies applicable to mountain caribou; | Condition 15, GC-125 FOR APPROVAL | A4Q5V4 | Approved | Pre-Construction | <p>Filed Condition 15 a) Preliminary CHRP on July 15, 2015 (A71272).</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 erratum 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) | | | <ul style="list-style-type: none"> b. an assessment of the relative effectiveness of the identified methodologies; c. detailed methodology of how the literature review was conducted. 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; v) a schedule indicating when measures will be initiated and completed; vi) a table summarizing any differences or updates from the last previous NGTL CHRP filed with the Board for other projects; and vii) evidence and a summary of how consultation feedback from Environment Canada and appropriate provincial authorities is integrated into the CHRP. <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 15, part b) GC-125 FOR APPROVAL | A4Q5V4 | Planned | Post-construction | | Environmental Planner |
| 142 | NEB | Certificate GC-125 Conditions | <p>16. Access Management Plan (AMP)</p> <p>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 | 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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| | | | <p>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:</p> <p>i) the relative amount of access (increase or decrease and by quantifiable amount over baseline or previous reporting period);</p> <p>ii) steps taken when implementing the criteria identified in (d); and</p> <p>iii) the results of the evaluation of the overall effectiveness of the AMP.</p> | | | | | | |
| 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 | In Progress | Pre-Construction | <p>Letter of intent to complete bear den survey filed with NEB June 21, 2018. (A92642)</p> <p>Survey report filed with NEB for Aitken Creek Section on October 31, 2018 (A95304)</p> | 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 No. 1 re: Navigation Safety Plan submitted to the NEB on September 9, 2015 (A72423).</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 <i>Onshore Pipeline Regulations</i>: 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> | Condition 19, GC-125 | A4Q5V4 | In Progress | Pre-Construction | <p>For Condition 19a):</p> <ul style="list-style-type: none"> Filed Aitken Creek Section July 16, 2018 via courier. Filed Groundbirch Compressor Station plan September 14, 2018 (filed via courier) Filed Mackie Creek and Townsend No. 1 and 2 on January 29 (filed via courier) | Project Manager |

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| | | | <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> | | | | | <ul style="list-style-type: none"> Filed Altares Receipt Meter Station on February 20 (filed via courier) Filed Gundy Receipt Meter Station on March 1, 2019 (filed via courier) Filed Altares South, Aitken Creek South and Old Alaska Receipt Meter Station March 1, 2019 (filed via courier) Filed Gundy West Receipt Meter Station March 20, 2019 (filed via courier) Saturn Compressor Station filed April 23, 2019 (filed via courier) Site 2 of Saturn Compressor Station (Moody Creek CS) safety plan filed July 22, 2019 Kahta Section pending <p>For Condition 19b):</p> <ul style="list-style-type: none"> Filed Aitken Creek Section August 2, 2018 (A93373). Filed Groundbirch Compressor Station on March 11, 2019 (filed via courier) Filed an Exemption Request from Condition 19 b) for the Altares and Gundy Receipt Meter Stations on April 25, 2019 (A99064). Saturn Compressor Station pending Kahta Section pending <p>For Condition 19 c):</p> <ul style="list-style-type: none"> Aitken Creek Section letter filed January 15, 2019 (A97302) Filed Altares and Gundy Receipt Meter Station (A98133). | |
| 146 | NEB | Certificate GC-125 Conditions | <p>20. Final Pipe Specifications</p> <p>NGTL shall file with the Board, at least 14 days prior to commencing construction, NGTL's final Pipeline Construction Specifications.</p> | Condition 20, GC-125 | A4Q5V4 | Complete | Pre-Construction | <p>Filed Condition 20 – Final Pipe Specifications on March 15, 2016 (A4Y7J4).</p> <p>Filed Response to IR on Condition 20 on May 16, 2016 (A76884).</p> <p>Final Pipeline Specifications Filed June 22, 2018 (A92682).</p> | Project Engineer |
| 147 | NEB | Certificate GC-125 Conditions | <p>21. Commitments Tracking Table (CTT)</p> <p>NGTL shall:</p> <p>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:</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> | Condition 21, GC-125 | A4Q5V4 | 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"> June 26, 2015 (A4R0F4) July 27, 2015 (A4R7L8) August 27, 2015 (A4S9T7) September 25, 2015 (A4T6D9) October 27, 2015 (A4U7L8) November 27, 2015 (A74312) December 22, 2015 (A74902) January 27, 2016 (A75306) February 25, 2016 (A75634) March 28, 2016 (A76104) April 28, 2016 (A76640) May 31, 2016 (A77264) June 29, 2016 (A78285) | All |

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| | | | 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). | | | | | 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) 20. January 31, 2017 (A81556) 21. February 28, 2017 (A81884) 22. March 31, 2017 (A82378) 23. May 1, 2017 (A83026) 24. May 31, 2017 (A84064) 25. June 29, 2017 (A84710) 26. July 28, 2017 (A85195) 27. August 31, 2017 (A85755) 28. September 29, 2017 (A86360) 29. October 31, 2017 (A87416) 30. November 30, 2017 (A88297) 31. December 29, 2017 (A88921) 32. June 28, 2018 (A92748) 33. July 31, 2018 (A93311) 34. August 29, 2018 (A93108). 35. October 1, 2018 (A94288). 36. October 31, 2018 (A95304). 37. November 30, 2018 (A96261). 38. January 2, 2019 (A97026). 39. January 31, 2019 (A97760). 40. March 1, 2019 (A98132). 41. March 29, 2019 (A98554). 42. April 30, 2019 (A99156). 43. May 31, 2019 (A99700). 44. July 2, 2019 (C00235) | |
| 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 | In Progress | Pre-Construction | Updated Aitken Creek Construction Schedule filed October 18, 2018 (A94962). Aitken Creek Section filed July 24, 2018 (A93219). Groundbirch Compressor Station filed September 14, 2018 (A94034). Altares and Gundy Receipt Meter Stations filed January 29, 2019 (A97694). Saturn Compressor Station filed April 2, 2019 (A98589). Kahta Pipeline Section pending. | Construction Manager, Project Manager |

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| 149 | NEB | Certificate GC-125 Conditions | <p>23. Finalized Watercourse Crossing Designs</p> <p>For all watercourse crossings, NGTL shall file with the Board, at least 60 days prior to commencing any watercourse crossing construction activities:</p> <p>a) an updated inventory of all the watercourses to be crossed. This inventory shall include:</p> <ul style="list-style-type: none"> 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. <p>b) detailed generic design drawings of trenchless, dry open-cut, frozen open-cut and isolation crossings of various watercourse types;</p> <p>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:</p> <ul style="list-style-type: none"> 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. | Condition 23, GC-125 | A4Q5V4 | Complete | Pre-Construction | <p>NGTL submitted to the NEB on June 29, 2015, the Finalized Watercourse Crossing Designs (A70972).</p> <p>Update filed January 17, 2019 (A97372).</p> <p>IR Response to Update filed January 21, 2019 (A97449).</p> | Environmental Planner |
| 150 | NEB | Certificate GC-125 Conditions | <p>24. Authorizations under subsection 35(2)(b) of the Fisheries Act</p> <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:</p> <ul style="list-style-type: none"> 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 Fisheries Act; 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 Fisheries Act, including: <ul style="list-style-type: none"> 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; | Condition 24, GC-12 FOR APPROVAL | A4Q5V4 | Not Applicable | Pre-Construction | | Environmental Planner |

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| 150 (cont'd) | | | <ul style="list-style-type: none"> 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 <p>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 Fisheries Act subsection 35(2)(b) Authorization issued by Fisheries and Oceans Canada.</p> | | | | | | |
| 151 | NEB | Certificate GC-125 Conditions | <p>25. Trenchless Crossings</p> <p>Should NGTL decide to use alternative crossing techniques from its proposed trenchless watercourse crossing method:</p> <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> i) a summary of changes and the reasons for that change; ii) copies of all correspondence from regulatory authorities relating to the change; and iii) an assessment of effects to fish and fish habitat; and/or 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: <ul style="list-style-type: none"> i) a summary of changes and the reasons for that change; ii) copies of all correspondence from regulatory authorities relating to the change; iii) an assessment of effects to fish and fish habitat; and iv) a draft Fisheries Act Application package. | Condition 25, GC-125 | A4Q5V4 | Planned | Pre-Construction | | Environmental Planner |
| 152 | NEB | Certificate GC-125 Conditions | <p>26. Hydrostatic Testing Plan</p> <p>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> <ul style="list-style-type: none"> a) the location(s) of water withdrawal and discharge; b) clearing activities or any other associated works, if required, to allow for transport of the hydrostatic test water to the Section 52 Facilities; c) the rate(s) of water withdrawal; d) the volume(s) of water withdrawal; e) the flow rate/volume of water at withdrawal location(s); and 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. | Condition 26, GC-125 | A4Q5V4 | In Progress | Construction | <p>Filed Spread 3 plan on November 23, 2018 (A96057)</p> <p>Filed Spread 2 plan on November 29, 2018 (A96225)</p> <p>Filed Spread 1 plan on April 5, 2019 (A98663)</p> <p><u>An Updated Hydrostatic Test Plan for Spread 1 was filed on July 12, 2019 (C00458).</u></p> | Construction Manager, Project Engineer |

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| 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 | In Progress | Construction | <p>Reports were filed on the following days:</p> <ol style="list-style-type: none"> 1. September 4, 2018 (A93870) 2. September 19, 2018 (A94092) 3. October 4, 2018 (A94581) 4. October 22, 2018 (A95037) 5. November 6, 2018 (A95488) 6. November 20, 2018 (A95932) 7. December 6, 2018 (A96517) 8. December 19, 2018 (A96824) 9. January 3, 2019 (A97070) 10. January 18, 2019 (A97446) 11. February 5, 2019 (A97823) 12. February 25, 2019 (A97982) 13. March 5, 2019 (A98189) 14. March 18, 2019 (A98189) 15. April 2, 2019 (A98588) 16. April 17, 2019 (A98925). 17. May 1, 2019 (A99248). 18. May 16, 2019 (A99483) 19. June 4, 2019 (A99768) 20. June 18, 2019 (C00020) 21. July 3, 2019 (C00247) 22.-July 17, 2019 (C00536) | Construction Manager, Project Manager |
| 154 | NEB | Certificate GC-125 Conditions | <p>28. Welding and Non-Destructive Examination Procedures NGTL shall, during construction, maintain at each construction site:</p> <p>a) a copy of the applicable welding procedures;</p> <p>b) a copy of the applicable non-destructive examination and testing procedures used on the Project; and</p> <p>c) all supporting documentation related to non-destructive examination and testing.</p> | Condition 28, GC-125 | A4Q5V4 | Planned | Construction | | Project Engineer |
| 155 | NEB | Certificate GC-125 Conditions | <p>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.</p> | Condition 29, GC-125 | A4Q5V4 | Complete | Construction | <p>Filed HDD plan for Farrell Creek and Halfway River August 2, 2018 (A93375)</p> <p>Filed HDD plan for Peace River and Pine River on September 10, 2018 (A93947).</p> <p>Filed an update to the NEB for the Peace River HDD regarding change of contractor on March 15, 2019 (A98352).</p> | Project Engineer |
| 156 | NEB | Certificate GC-125 Conditions | <p>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.</p> | Condition 30, GC-125 | A4Q5V4 | Complete | Construction | Filed Condition 30 on June 16, 2017 (A84449). | Project Engineer |
| 157 | NEB | Certificate GC-125 Conditions | <p>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.</p> | Condition 31, GC-125 | A4Q5V4 | Complete | Construction | Filed Condition 31 on May 10, 2016 (A76812). | Project Engineer |

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| 158 | NEB | Certificate GC-125 Conditions | <p>32. 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 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.</p> | Condition 32, GC-125 | A4Q5V4 | Completed | Construction | Filed Condition 32 on June 26, 2019 (C00133) | Environmental Planner |
| 159 | NEB | Certificate GC-125 Conditions | <p>33. Quantification of Operation-Related GHG Emissions</p> <p>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.</p> | Condition 33, GC-125 | A4Q5V4 | Completed | Post-construction | Filed Condition 33 on June 26, 2019 (C00134) | Environmental Planner |
| 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> <ul style="list-style-type: none"> a) conduct post-construction noise monitoring at the Groundbirch Compressor Station; 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. | 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> <ul style="list-style-type: none"> a) describes the methodology used for monitoring, the criteria established for evaluating success and the results found, for Board approval; 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; c) describes the current status of the issues (resolved or unresolved), any deviations from plans and corrective actions that were or will be undertaken; d) assesses the effectiveness of mitigation (planned and corrective) measures applied against the criteria for success; | Condition 35, GC-125 FOR APPROVAL | A4Q5V4 | Planned | Operations | | Environmental Planner |

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| 161 (cont'd) | | | <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> | | | | | | |
| 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> <p>i) an initial quantification of the area of critical habitat for caribou directly and indirectly disturbed;</p> <p>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;</p> <p>iii) the relative quantitative and qualitative value of each measure towards achieving the offset;</p> <p>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</p> <p>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> <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> <p>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;</p> | Condition 36, GC-125 FOR APPROVAL | A4Q5V4 | <u>Planned In Progress</u> | Post-construction | <p>Filed April 30, 2019 (A99182). Information Request received on May 27, 2019. <u>On July 8, 2019, the Board approved the Preliminary Caribou Habitat Offset Measures Plan (C00374).</u></p> | Environmental Planner |

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| 162 (cont'd) | | | <ul style="list-style-type: none"> 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. | | | | | | |
| 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 |

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| 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 |
| 166 | NEB | Certificate GC-125 Conditions | <p>40. Geotechnical Report Regarding Slope Stability</p> <p>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</p> <p>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; and f) a rationale for any instance where recommendations have not been implemented.</p> | Condition 41, GC-125 | A4Q5V4 | Planned | Post-construction | | Project Engineer |

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| 168 | NEB | Certificate GC-125 Conditions | 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: 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 | 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). | Condition 43, GC-125 | A4Q5V4 | Planned | Operations | | Project Engineer |
| 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 24 June 2019, this Certificate shall expire on 24 June 2019, unless construction in respect of the Section 52 Facility has commenced by that date. | Condition 45, GC-125 Revised by Order AO-003-GC-125 Issued July 3, 2018 | A4Q5V4 | Complete | 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) Board Approved Extension Request December 13, 2016 (A81013). Board extended Sunset Clause to March 31, 2018 on April 19, 2017 (A82690). Board extended Sunset Clause to June 24, 2019 by Order AO-003-GC-125 issued July 3, 2018 (A92807-3) Construction commenced on August 13, 2018 | Regulatory |

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| 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 |
| 174 | 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 | In progress | All Stages | Mitigation measures in the EPP and other environmental commitments are being implemented during construction of temporary infrastructure on the Aitken Creek Section. Construction commenced on August 13, 2018 | Project Manager, Construction Manager, Environmental Planner |
| 175 | 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. IT IS ORDERED THAT, pursuant to subsection 21(2) of the NEB Act, Condition 4 of the Order is rescinded for the following facilities only: • Aitken Creek Section (182 km NPS 42) • Kahta Section (the southern-most 24 km NPS 42, shortened by 95 km) • Two compressor stations: • The Saturn compressor station (one 15 MW unit) that will be located on the Aitken Creek section. • The Groundbirch compressor station (two 15 MW units) located on the existing Groundbirch Mainline. | Condition 4, Order XG-N081-010-2015 Revised by Order AO-001-XG-N081-010-2015 | A4K5S2 A92070-5 | Not applicable | Pre-Construction | Order revised to only apply to facilities related to the Variance Application | Project Manager |

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| 176 | 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) 20. January 31, 2017 (A81556) 21. February 28, 2017 (A81884) 22. March 31, 2017 (A82378) 23. May 1, 2017 (A83026) 24. May 31, 2017 (A84064) 25. June 29, 2017 (A84710) 26. July 28, 2017 (A85195) 27. August 31, 2017 (A85755) 28. September 29, 2017 (A86360) 29. October 31, 2017 (A87416) 30. November 30, 2017 (A88297) 31. December 29, 2017 (A88921) 32. June 28, 2018 (A92748) 33. July 31, 2018 (A93311) 34. August 29, 2018 (A93108). 35. October 1, 2018 (A94288). 36. October 31, 2018 (A95304). 37. November 30, 2018 (A96261). 38. January 2, 2019 (A97026). 39. January 31, 2019 (A97760). 40. March 1, 2019 (A98132). 41. March 29, 2019 (A98554). 42. April 30, 2019 (A99156). 43. May 31, 2019 (A99700). 44. July 2, 2019 (C00235) | All |

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| 177 | 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 | Complete | Pre-Construction | Filed on May 11, 2018 (A91928) | Environmental Planner |
| 178 | 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 Intervenor, 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> <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,</p> <p>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> <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 | In Progress Completed initial report | All Stages | Filed initial report on May 7, 2018 (A91925) Second Report filed November 2, 2018 (A95374). Third Report filed April 30, 2019 (A99157). | Project Manager, Aboriginal Contracts Advisor |

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| 179 | 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 Intervenor, 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> | Condition 8, Order XG-N081-010-2015 | A4K5S2 | In Progress Completed initial report | All Stages | Filed initial report on May 7, 2018 (A91926) Second Report filed November 2, 2018 (A95373). Third Report filed April 30, 2019 (A99158). | Project Manager, Aboriginal Contracts Advisor |
| 180 | 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 9, Order XG-N081-010-2015 FOR APPROVAL | A4K5S2 | Approved Updated EPP approved | Pre-Construction | Filed Condition 9 Section 58 Environmental Protection Plan and Environmental Alignment Sheet on July 22, 2015 (A71400). Awaiting Board ruling. On August 25, 2015 the Board approved the Environmental Protection Plan, pursuant to Condition 9 of the Order. (A4S9K1). Updated EPP Filed June 21, 2018 (A92644). Updated EPP approved by the Board on August 8, 2018 (A93431) | Environmental Planner |
| 181 | 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> | Condition 10, Order XG-N081-010-2015 | A4K5S2 | Complete | Pre-Construction | Filed letter on June 21, 2018 (A92643) indicating no construction will take place between 15 November and 1 May | Environmental Planner |

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| 181 (cont'd) | | | 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. | | | | | | |
| 182 | NEB | Order XG-N081-010-2015 Conditions | 11. Construction Progress Reports 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. | Condition 11, Order XG-N081-010-2015 | A4K5S2 | In Progress | Construction | Reports were filed on the following days: 1. September 4, 2018 (A93870) 2. September 19, 2018 (A94092) 3. October 4, 2018 (A94581) 4. October 22, 2018 (A95037) 5. November 6, 2018 (A95488) 6. November 20, 2018 (A95932) 7. December 6, 2018 (A96517) 8. December 19, 2018 (A96824) 9. January 3, 2019 (A97070) 10. January 18, 2019 (A97446) 11. February 5, 2019 (A97823) 12. February 25, 2019 (A97982) 13. March 5, 2019 (A98189) 14. March 18, 2019 (A98189) 15. April 2, 2019 (A98588) 16. April 17, 2019 (A98925). 17. May 1, 2019 (A99248). 18. May 16, 2019 (A99483) 19. June 4, 2019 (A99768) 20. June 18, 2019 (C00020). 21. July 3, 2019 (C00247) 22. July 17, 2019 (C00536) | Construction Manager |
| 183 | NEB | Order XG-N081-010-2015 Conditions | 12. 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 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. | Condition 12, Order XG-N081-010-2015 | A4K5S2 | Planned | Construction | | Environmental Planner |
| 184 | NEB | Order XG-N081-010-2015 Conditions | 13. Condition Compliance by a Company Officer 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. 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 13, Order XG-N081-010-2015 | A4K5S2 | Planned | Operations | | Regulatory |

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| 185 | NEB | Order XG-N081-010-2015 Conditions | 14. Sunset Clause Unless the Board otherwise directs prior to 10 June 2016, this Order shall expire on 30 June 2019, unless construction in respect of the Section 58 Facilities has commenced by that date. | Condition 14, Order XG-N081-010-2015 Revised by Order AO-001-XG-N081-010-2015 | A4K5S2 A92070-5 | Complete | 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) Board Approved Extension Request December 13, 2016 (A81013). Board extended Sunset Clause to March 31, 2018 on April 19, 2017 (A82690). Revised by Order AO-001-XG-N081-010-2015 to June 30, 2019. Construction commenced on Section 58 facilities on August 13, 2018 | Regulatory |
| | | | | | | | | Commitments 186 to 190 have been removed as they are rescinded by Order TG-003-3018 | |
| 191 | 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 |
| 192 | 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 |
| 193 | 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 | Completed | Pre-Construction | On August 30, 2018, NGTL confirms the final crossing for the BC Hydro railway will be via conventional bore | Project Engineer |
| 194 | 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 | Complete | Construction | NGTL obtained an amendment to Alteration Permit 2015-0238 (Kahta Section) extending the expiry date to May 31, 2020. A permit report would be submitted by May 31, 2020 to the Archaeology Branch | Environmental Planner |
| 195 | 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 | A74426-2 | Planned | Construction | | Project Manager, Construction Manager |
| 196 | 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. | PMTPP, Page 9 | A74426-2 | Complete | Construction | NGTL has implemented the Aboriginal Construction Participation Program that includes representation from SFN, WMFN, and MLIB. | Construction Manager |
| 197 | SFN/ WMFN | Aboriginal Engagement Matters | TLU ground truthing information that is received after the submission of the PMTPP 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. | PMTPP, Page 15 | A74426-2 | Complete | Pre-construction | No further ground truthing information was received. | Engagement Lead, Environmental Planner |

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| 198 | 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 PMTPP 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 | 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 |
| 199 | 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 | A74426-2 | Planned | Post Construction | The Fisher Den Box Implementation Plan for the PMT is included in Appendix E of the PMTPP. | Environmental Planner, Engagement Lead |
| 200 | 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 | A74426-2 | Ongoing | Pre-construction | SFN Council, Lands Department, and community members, participated in a fly-over of Spread 1 of the Aitken Section, including the PMT, on March 29, 2019. Members from WMFN Council and Lands Department participated in a fly-over of Spread 1 of the Aitken Section, including the PMT, on April 8, 2019. NGTL will continue to work with SFN/WMFN to facilitate future sit visits of the PMT. | Project Manager |
| 201 | NEB/ SFN/ WMFN | Environmental Matters/Aboriginal Engagement Matters | Mitigation found in Section 5.0 of the PMTPP will be implemented by NGTL's contractor(s) and subcontractor(s) before the initiation of ground disturbance activities. | PMTTP, Page 30, 31 | A74426-2 | Complete | Pre-construction | Specific measures listed in the PMTPP on pages 30, 31 were implemented prior to the initiation of ground disturbance | Construction Manager |
| 202 | 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 | A74426-2 | Complete | Pre-construction | NGTL implemented an orientation in the construction contractor training material and has included information on the policies and plans applicable to the Project. | Construction Manager |
| 203 | SFN/ WMFN | Environmental Matters | NGTL will implement and evaluate the mitigation measures as outlined in Table 6-2 of the PMTPP. | PMTTP, Page 35 - 43 | A74426-2 | Ongoing | Construction and Post Construction | The construction related mitigation measures in Table 6-2 are being implemented. | Construction Manager, Environmental Planner |
| 204 | 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 | A74426-2 | Ongoing | Construction and Post Construction | | Project Manager |
| 205 | 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 | A74426-2 | In Progress | Construction | The line of sight bores in the PMT have been committed to and are in the process of being implemented. | Project Manager, Construction Manager |
| 206 | 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 | 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 |
| 207 | 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 PMTPP under "Contingency Plans". | PMTTP, Page 45 | A74426-2 | Planned | Construction | | Project Manager, Environmental Planner, Construction Manager |

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| 208 | 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). | PMTTPP, Page 45, 46 | A74426-2 | Planned | Construction | As part of the PMTTPP 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. NGTL hired one member from each SFN and WMFN to act as monitors during construction activities within the PMT in addition to the ACTP. SFN Council, Lands Department, and community members, participated in a fly-over of Spread 1 of the Aitken Section, including the PMT, on March 29, 2019. Members from WMFN Council and Lands Department participated in a fly-over of Spread 1 of the Aitken Section, including the PMT, on April 8, 2019. NGTL will continue to work with SFN/WMFN to facilitate future sit visits of the PMT. | Project Manager, Engagement Lead, Construction Manager |
| 209 | SFN/ WMFN | Environmental Matters | NGTL will implement the Reclamation Plan found in Appendix D of the PMTTPP. | PMTTPP, Page 45, 47 | 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 |
| 210 | 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. | PMTTPP, Page 47 | A74426-2 | Planned | Post Construction | NGTL has begun initial conversations with TSN, including Twin Nation Reclamation, for future PMT reclamation planning. | Project Manager, Engagement Lead, Construction Manager |
| 211 | 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. | PMTTPP, Page 47 | A74426-2 | Planned | Post Construction | | Environmental Planner |
| 212 | 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. | PMTTPP, Page 47 | A74426-2 | Planned | Post Construction | | Engagement Lead, Environmental Planner |
| 213 | 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. | PMTTPP, Page 52 | A74426-2 | Complete | All Stages | WMFN and SFN have each executed a Letter of Agreement (LOA) and PMT Offset Funding has been provided. | Project Manager |
| 214 | 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. | PMTTPP, Page 53 | A74426-2 | Planned | Post Construction | | Project Manager, Engagement Lead |
| 215 | 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. | PMTTPP, Page 53, 56 | A74426-2 | Planned | Post Construction | | Engagement Lead |

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| 216 | 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 | A74426-2 | In Progress | Construction | | Environmental Planner |
| 217 | 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 | A74426-2 | Planned | Post Construction | | Project Manager, Environmental Planner, Construction Manager |
| 218 | 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 | A74426-2 | Planned | Post Construction | | Engagement Lead |
| 219 | NEB | Order XG-N081-015-2018 | 1. Condition Compliance NGTL shall comply with all the conditions contained in this Order unless the Board directs otherwise. | Condition 1, ORDER XG-N081-015-2018 | A92070-3 | In progress | All Stages | | Project Manager Measurement |
| 220 | NEB | Order XG-N081-015-2018 | 2. Design, Construction, and Operation NGTL shall cause the Section 58 Projects to be designed, located, constructed, installed, operated and decommissioned in accordance with the specifications, standards, commitments made and other information referred to in its application or in its related submissions. | Condition 2, ORDER XG-N081-015-2018 | A92070-3 | Planned | All Stages | | Project Manager Measurement, Construction Manager |
| 221 | NEB | Order XG-N081-015-2018 | 3. Implementation of Environmental Protection NGTL shall implement or cause to be implemented all of the policies, practices, programs, mitigation measures, recommendations, procedures and its commitments for the protection of the environment included in or referred to in the application or in related submissions. | Condition 3, ORDER XG-N081-015-2018 | A92070-3 | Planned | All Stages | | Project Manager Measurement, Construction Manager, Environmental Planner |
| 222 | NEB | Order XG-N081-015-2018 | 4. Updated Environmental Protection Plan (EPP) NGTL shall include information relevant to the Section 58 Projects in the updated project-specific Environmental Protection Plan (EPP) that is required to be filed at least 60 days prior to commencing construction pursuant to condition 14 of Certificate GC-125. | Condition 4, ORDER XG-N081-015-2018 | A92070-3 | Complete | Pre-Construction | Filed update to s.52 EPP that included Section 58 Projects on June 11, 2018 (A92423) | Environmental Planner |
| 223 | NEB | Order XG-N081-015-2018 | 5. Condition Compliance by an Accountable Officer Within 30 days of the date that the construction of the Section 58 Projects are completed, NGTL shall file with the Board a confirmation that the Section 58 Projects were completed and constructed in compliance with all applicable conditions in this Order. If compliance with any of these conditions cannot be confirmed, NGTL shall file with the Board details as to why compliance cannot be confirmed. The filing required by this condition shall include a statement confirming that the signatory to the filing is the accountable officer of NGTL, appointed as Accountable Officer pursuant to section 6.2 of the National Energy Board Onshore Pipeline Regulations. | Condition 5, ORDER XG-N081-015-2018 | A92070-3 | Planned | Operations | | Regulatory |
| 224 | NEB | Order XG-N081-015-2018 | 6. Sunset Clause This Order shall expire on 30 June 2019, unless construction of the Section 58 Projects has commenced by that date. | Condition 6, ORDER XG-N081-015-2018 | A92070-3 | Planned | All Stages | | Regulatory |

North Montney Project – Commitment Tracking Table No. 45
(November 8, 2013 to July 15, 2019)

| Commitment Number | Commitment To | Category | Description of Commitment | Source | Document References (Exhibit No./ Filing ID) | Status | Project Phase | Comments | Accountability |
|-------------------|---------------|-------------------|---|--------------------------------|--|-------------|------------------|---|------------------------------|
| 225 | NEB | Order TG-003-2018 | <p>1. North Montney Cost Pool Before commencing construction, as that term is defined in the Certificate conditions, NGTL must establish a cost pool for the NMML Facilities, as that term is defined in MH-031-2017, which is separate from the cost pool for the existing NGTL System (NMML Cost Pool). In particular:</p> <ul style="list-style-type: none"> a) NGTL must maintain accounting records capable of providing separate and verifiable information in support of the amounts reported for the NMML Cost Pool; b) The NMML Cost Pool accounting records must 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; c) NGTL must record sufficient information in the plant and other balance sheet accounts and income and expense accounts in the NMML Cost Pool accounting records so that NGTL can provide the Board with the following information: <ul style="list-style-type: none"> i) revenue requirement summary, including operating expense components and depreciation; ii) income summary; iii) rate base summary; iv) return on rate base, including cost of debt and equity components; v) abandonment accounts; vi) summary of revenue by class of service; vii) inter-cost pool transactions; and viii) any balances held in deferral accounts. <p>NGTL must file the information set out in 1c) at the same time that NGTL files its Quarterly Surveillance Report.</p> | Condition 1, Order TG-003-2018 | A92070-7 | In progress | Pre-Construction | North Montney Cost Pool established August 8, 2018. | Commercial/Tolls and Tariffs |
| 226 | NEB | Order TG-003-2018 | <p>2. Tolling Methodology for the Provisional Period The term of the Provisional Period is twelve months, and it commences upon the date Governor in Council approves amendments to the Certificate. The Post-Provisional Phase begins at the end of the Provisional Period.</p> <ul style="list-style-type: none"> a) During the Provisional Period, NGTL may calculate its revenue requirement by combining the incremental revenue requirement of the NMML Facilities with the revenue requirement of the existing NGTL System and applying its current toll methodology, with the exception that the FT-R toll ceiling will not be applied to the NMML Facilities; b) During the Provisional Period, NGTL must record the difference between the NMML Facilities revenue and NMML Facilities revenue requirement (cost of service) in a deferral account; c) If NGTL does not file, and receive approval of, an application with the Board for a new tolling methodology for the NMML Facilities prior to the expiry of the Provisional Period, NGTL must calculate tolls for services on the NMML Facilities for the Post-Provisional Phase using a stand-alone tolling methodology, and NGTL must apply to the Board for approval of the disposition of the balance in the deferral account no later than three months after the expiration of the Provisional Period. The stand-alone toll must be derived from the NMML Facilities Cost Pool and must recover these costs from the NMML shippers. At the same time that NGTL files its Quarterly Surveillance Reports, NGTL must file similar information for the NMML Facilities, using the NMML Cost Pool accounting records. | Condition 2, Order TG-003-2018 | A92070-7 | Planned | Pre-Construction | | Commercial/Tolls and Tariffs |

North Montney Project – Commitment Tracking Table No. 45
 (November 8, 2013 to July 15, 2019)

| Commitment Number | Commitment To | Category | Description of Commitment | Source | Document References (Exhibit No./ Filing ID) | Status | Project Phase | Comments | Accountability |
|-------------------|---------------|-------------------|---|--------------------------------|--|-------------------------------|---------------|---|------------------------------|
| 226 (cont'd) | | | d) If NGTL does file an application with the Board prior to the expiry of the Provisional Period for a new tolling methodology on the NMML Facilities, this new tolling application must also include a proposal for the disposition of the balance in the deferral account. | | | | | | |
| 227 | NEB | Order TG-003-2018 | <p>3. Additional Conditions:</p> <p>a) If, over the operating life of the NMML Facilities, some or all of the gas transported on NMML Facilities is not delivered to markets currently attached to the NGTL System or the NMML Facilities, NGTL must re-apply to the Board for approval of a tolling methodology on the NMML Facilities.</p> <p>b) Within 180 days of the date this Order takes effect, and prior to commencing construction, as that term is defined in the Certificate, NGTL must file either:</p> <p>i) A letter with the Board stating that Progress no longer has the right to terminate its North Montney Anchor Customer Receipt Project Expenditure Authorization (Progress Receipt PEA) and FT-R service; or</p> <p>ii) Alternatively, if Progress terminates its Progress Receipt PEA and FT-R service, information demonstrating NGTL has new and restructured substantially similar commercial arrangements to underpin NGTL's applied-for 42.1 10⁶ m³/d (1,485 MMcf/d) of FT-R service on the NMML Facilities, for Board approval. If NGTL is unable to demonstrate substantially similar commercial arrangements for 42.1 10⁶ m³/d (1,485 MMcf/d) of FT-R service on the NMML Facilities, then NGTL may not commence construction.</p> | Condition 3, Order TG-003-2018 | A92070-7 | 3.a) Ongoing 3 b) Complete | All phases | Filed letter confirming Progress Energy commitment to the project July 25, 2018 (A93243). | Commercial/Tolls and Tariffs |