
CONSTRUCTION PROGRESS REPORT No. 2
Northwest Mainline Loop – Boundary Lake Section (Boundary Lake Section)
Reporting Period – January 26, 2017 to February 8, 2017

1.0 REPORT OVERVIEW

The Boundary Lake Section consists of approximately 91 km of 914 mm (NPS 36) outside diameter (OD) pipeline, two mainline block valves and associated crossover assemblies, and one launcher assembly. The Boundary Lake Section is a loop of NOVA Gas Transmission Ltd.'s (NGTL) existing Northwest Mainline from an interconnect with NGTL's existing Alces River Compressor Station at NW-13-085-13 W6M to a point at NGTL's existing Owl Lake Meter Station at NE-20-094-12 W6M. The first season of construction for the Boundary Lake Section will consist of the first 58.5 km of the Section.

This construction report (Report) complies with Condition 18 of Certificate GC-126, which requires NGTL to report on the following:

- activities carried out during the reporting period
- any environmental, socio-economic, safety and security issues
- any non-compliance issues
- measures undertaken to resolve each issue and noncompliance
- an update as to which construction activities are on schedule or delayed with respect to the construction schedule filed with the Board during the hearing process
- a description of what additional measures will be implemented to remain on schedule to complete construction outside of the caribou critical timing window

This Report discusses the construction activities for the Boundary Lake Section that occurred between January 26, 2017 and February 8, 2017 (Reporting Period).

2.0 CONSTRUCTION PROGRESS

A summary of construction activities for the Boundary Lake Section is as follows:

- Stringing activities commenced February 3, 2017 (completed for KP 29 to KP 39)
- Bending activities commenced February 4, 2017 (completed for KP 29 to KP 31)
- Mainline welding activities commenced January 27, 2017, and 23 production welds were completed.
- Coating activities commenced February 7, 2017
- Pile Installations commenced January 28, 2017

- i. Pile installations completed: 27
- ii. Pile installation at NGTL's Alces River Compressor Station and launcher site completed
- Three (3) bored crossings were completed at KP 0, KP 28.8, KP 29 for a total of 6 pipeline and 1 road crossings.

Table 1 summarizes the status of major construction activities on the Boundary Lake Section during the Reporting Period.

Table 1: Construction Activity Summary

Activity	% Complete
Preparation of laydown yards	100
Preparation of existing and temporary access	95
Clearing KP 0 – 59	56
Clearing KP 59 – 91	55
Grading	46
Stringing	18
Bend and Setup	3
Poor Boy Welding	1
Mainline Welding	0
Coating	0
Ditching	0
Lower-in	0
Backfill	0
Tie-ins	0
Road/Pipeline Bores	17
Hydrostatic Testing	0
Caliper Pigging	0
Final Tie-ins	0
Cleanup	0

3.0 ENVIRONMENT

No major or critical environmental incidents occurred in the Reporting Period.

4.0 SAFETY AND SECURITY

No major or critical safety or security incidents were recorded during this Reporting Period. For a summary of safety and security incidents, see Table 2.

Table 2: Safety Incidents on the ROW

Description	Reporting Period/Total
Safe Acts	29/56
Unsafe Acts	10/19
Safety 24/7	0/0
Near Hits	1/1
Minor	15/24
Serious	0/0
Major	0/0
Critical	0/0
Note: For incident descriptions, see <i>TransCanada Incident Classification Guide</i> , Safety/Security sections.	

5.0 SCHEDULE

NGTL anticipated starting mainline construction on January 16, 2017, but was not able to start ROW clearing until January 21, 2017. As such, ROW clearing and all subsequent construction activities have been delayed from the schedule filed with the Board on December 28, 2016.

As noted previously, AEP has granted NGTL an extension for construction to proceed during the caribou RAP (February 15 to July 31) and NGTL's existing mitigation measures for avoiding effects to caribou were deemed sufficient to grant the extension.

Clearing crews have been working additional days from KP 59 to KP 91 to complete clearing within the caribou range as much as possible.