

Project Name	Coastal GasLink Pipeline Project	Inspection Status	Final
EA Certificate #	E14-03	Inspection No.	IR2022-055
Project Status	Certified	Inspection Start	2022-11-02
Sector	Energy	UTM	10 N 552651 6093782
Trigger	Planned Inspection	Inspection Type	Field
Project Description	The Coastal GasLink Pipeline Project (Project) is an approximately 650 kilometer (km) long natural gas pipeline connecting facilities in northeast British Columbia (BC) to the LNG Canada facility near Kitimat.		
Location Description	The Project commences near Groundbirch (40 km west of Dawson Creek) in northeast BC and runs 650km west to the LNG Canada facility near Kitimat. This inspection covered work being carried out in Section 3 of Work Pack 2, in the upper Anzac River watershed. The Universal Transverse Mercator referenced above is approximately in the center of the sections of where the inspection took place.		
Inspection Summary	<p>On November 2, 2022, Environmental Assessment Office (EAO) Environmental Assessment Office (EAO) Compliance and Enforcement Officer Chris Parks inspected the Project against requirements of the Environmental Assessment Certificate (EAC) #E14-03 (Appendix 1-4), specific Work Execution Plans (WEPs) as per the July 14, 2022, Compliance Agreement (Agreement) (Appendix 5), and order EN2022-028, issued October 14, 2022 (Appendix 6). Within the areas inspected EAO C&E sought to verify status of noncompliance identified during inspections of the area conducted October 4 and 5, 2022, and October 28 and 29, 2022 (see Regulatory Considerations). The October 4 and 5, 2022 and October 28 and 29, 2022 inspections are documented in EAO Inspection Records IR2022-046 (Appendix 7) and IR2022-053 (Appendix 8). The Project was in Construction at the time of inspection.</p> <p>Project staff attended the inspection. Preliminary inspection observations were communicated to Project staff onsite, during the inspection.</p> <p>On December 6, 2022, EAO C&E provided the preliminary inspection record to the Certificate Holder. On December 13, 2022, the Certificate Holder provided comments pertaining to the preliminary inspection record. EAO C&E updated the record, where warranted, based on the that submission.</p> <p>The compliance determinations in this report reflect the findings from the inspection dates noted above. These determinations can change at any time upon information gathered through future inspections or if new information is obtained by EAO Compliance and Enforcement Branch.</p>		
In Attendance	ESC Lead, Prime Contractor; Environmental Inspector, Work Pack 2, TC Energy;		
Certificate Holder	Coastal GasLink Pipeline Ltd.		
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INSPECTION DETAILS

Requirement 1:

Compliance Agreement Under Section 55 of the *Environmental Assessment Act* (Appendix 5)

Article 2 – Compliance Obligations

Section 2.4 Work Execution Plan Implementation

For each Identified Area, the Holder must:

(2) after receiving approval under section 2.3(1)(b) or (c), implement the applicable Work Execution Plan until such time that the portion of the Identified Area covered by the Work Execution Plan demonstrates final site stabilization in relation to ESC risks to ESRs as determined by a Qualified Professional to the satisfaction of EAO.

WEP KP154+000 to KP157+000 (Appendix 9) and WEP KP146+200 to KP149+200 (Appendix 10).

- Table 1 “Work Execution Plan Overview, Methodology, and Range” in both WEPs states that following grade completion, the ESC plan in its entirety will be installed.
- All ESCPs included in both WEPs state that the ESCPs are intended to encompass grubbing, stripping, grade, setup, stringing, bending, prep, welding, NDT, coating, ditching, and lowering in phases.

Findings:

Officer Parks inspected against specific noncompliance with the Agreement and Work Execution plans noted on previous inspections conducted on October 4 and 5, 2022, October 26 and 27, 2022. Within WEP KP154+000 to KP157+000 grading was complete in areas inspected. Within WEP KP146+200 to KP149+200 grubbing and stripping were complete in areas inspected, and grading partially completed.

The following previously noted noncompliance was observed to be addressed or in two instances substantially addressed pending amendments to WEP KP146+200 to KP149+200 and WEP KP154+000 to KP157+000.

- Travel Lane and Waterbars. CGL has addressed this issue by establishing water bars as per the WEP across the travel lane (Photo 1). CGL representatives stated that where active work impacted these waterbars they would be re-established by crews at end of each workday. These features are now compliant with the Agreement.
- Sheet Piles and Waterbars installed between approximately KP155+550 to 156+825. The sheet pile walls intercept the waterbars specified by the WEPs in these locations. Openings were confirmed to have been cut in the sheet pile walls where they intercept waterbars to allow the waterbars to function as specified by the ESCPs (Photo 2). These features are now compliant with the Agreement.
- A Waterbar has been installed at approximately KP154+700 as required by the ESCP for this location. This feature is now compliant with the Agreement.
- A woody debris berm has been installed on the hichain side of WC46C at approximately KP155+725 as required by the ESCP for this location. This feature is now compliant with the Agreement.
- The discharge location observed on October remains as documented in IR2022-053 and noncompliant with the WEP. However, CGL representatives stated that an amended WEP would be provided to EAO for review that accounts for this discharge location. This feature is not compliant with the Agreement, and is

to be accounted for in an amendment to WEP KP154+000 to KP157+000 (note amended WEP including update of this discharge location approved by EAO November 30, 2022, Appendix 11)

- The woody debris berm required along WL0733 as specified by ESCP between approximately KP148+350 and KP148+525 is not in-place. However, CGL representatives stated that an amendment to the WEP would be provided to EAO for review that does not include the berm at this location. This feature is not compliant with the Agreement, and is to be accounted for in an amendment to WEP KP146+200 to KP149+200.

Check dams not installed in accordance with installation specifications provided in the WEP:

On November 2, 2022, inspection observations were that CGL had installed additional check dams in the ditches inspected on the 2 previous inspections (October 4 and 5, 2022, and October 28 and 29, 2022) in an attempt to bring them into compliance with the specification, however the installations were still not in accordance with the specification because slopes exceeded the maximum in the specifications, and check dam construction and spacing are not as required by the specifications.

Officer Parks discussed check dam specification in the field with project representatives, who stated that they were aware that check dams installed were still contrary to specification would not be effective, and that the project would be implementing appropriate measures in ditches with slopes in excess of specification. Check dam installation remained noncompliant with the requirements of the Agreement. To be addressed in an amendment to WEP KP154+000 to KP157+000. (Note amended WEP including change to appropriate measure approved by EAO November 30, 2022, Appendix 11).



Photo 1: Waterbars established across travel lane, approximately KP155+225.



Photo 2: Example of opening cut in sheet pile to allow water bar to function at approximately KP155+650.



Photo 2: Example of maintenance completed, sheet pile waterbar opening, approximately KP155+700.

The inspection observations confirm that CGL had substantively addressed noncompliance identified on previous inspections.

Compliance Determination: See findings above.

Requirement 2:

Order EN2022-028 (Appendix 6) specifies that:

- 1) Construction may not occur in any Identified Area unless in full compliance with an Approved WEP or Approved amended WEP, or as otherwise provided for in the Agreement.
- 2) The Certificate Holder must cease all variations from an Approved Work Execution Plan that are not in accordance with the Agreement.
- 3) The Certificate Holder must cease installation of Measures that are not as specified in the Work Execution Plans.
- 4) The Certificate Holder must complete the actions identified in clauses 1 through 3 of this Order to the satisfaction of EAO C&E.

Findings:

No active work was observed within the WEP areas inspected. A sheet piling crew and equipment was observed in WEP KP154+000 to KP157+000 at watercourse 46c, however the crew was not actively installing sheet piles.

Compliance Determination: In

Actions Required by Certificate Holder & Additional Comments

None at this time

Enforcement Summary

None at this time

Regulatory Considerations

None at this time

Inspection Conducted by



Chris Parks
Deputy Director, Compliance and Enforcement

Date Preliminary Report Sent to Certificate Holder

2022-12-06

Date Finalized

2023-01-05

Appendices

Appendix 1 Environmental Assessment Certificate # E14-03
 Appendix 2 Schedule A
 Appendix 3 Schedule B
 Appendix 4 Certificate E14-03 (Amendment)
 Appendix 5 - 2022-07-14_EA Act s55 Compliance Agreement
 Appendix 6- EN2022-028
 Appendix 7 Final - CGL_2022-10-03 to 06_Inspection Record_IR2022-046
 Appendix 8 Final - CGL_2022-10-28 to 29_Inspection Record_IR2022-053
 Appendix 9 WEP 154+000 to KP 157+000

Appendix 10 WEP KP146+200 to 149+200

Appendix 11 Amended WEP 154+000 to KP 157+000

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