



## Environmental Assessment Office

# Inspection Record

Project Name: Northwest Transmission Line	Inspection Status: <input type="text"/>
Certificate #: E09-01	Inspection No: <input type="text"/>
Certificate Status: <u>Certified</u>	Inspection Date: 2013-11-26
Region: <u>Skeena</u>	Office: <u>Victoria</u>
Trigger: <u>Planned</u>	<b>Incidents of Non-Compliance Observed: <span style="color: purple;">Yes</span></b>
Non-Compliance Decision Matrix Level: <u>Level 2 - Minor temporary impact likely</u>	Non-Compliance Decision Matrix Category: <u>Few NCs, not aware/capable to comply</u>
Inspector Name(s): Chris PARKS (EAO)	
Audit Record(s): <u>N/A</u>	Total Non-Compliance(s): <input type="text"/>
Proponents Name: BC Hydro	
Proponents Contact(s): Tim JENNINGS	
Mailing Address: BC Hydro Transmission and Distribution, Major Projects 1100-1055 Dunsmuir St. Vancouver, BC V7X 1V5	
Phone No: 604-699-9020	Fax No: <input type="text"/>
Contact Email: <input type="text"/>	
Location Description: The Northwest Transmission Line Project is a 344 km Transmission Line (currently under construction), running between Terrace and Bob Quinn. The transmission line route generally parallels Highway 118 (the Nisga'a Highway), the Nass Forest Service Road, and Highway 37. Location lat and long below are for the Terrace Substation (southern terminus of the Project).	
Lat: 54°27'06.82 N	Long: 128°37'55.76 W
Sector: <u>Energy</u>	

# Summary

<b>MONITORING AND REPORTING REQUIREMENTS</b>	
Inspection Period:	
<b>From:</b> <input type="text" value="2013-06-17"/>	<b>To:</b> <input type="text" value="2013-06-19"/>
Certificate or Act:	
<input type="text" value="Certificate under the Environmental Assessment Act"/>	
Activity: <u>On Site</u>	
<b>Inspection Summary:</b>	<b>Response:</b>
<p>Inspector from the Environmental Assessment Office (Chris PARKS, Compliance Officer) completed an inspection of portions of the Northwest Transmission Line Project against Conditions of EAC# E11-01, issued for the NTL Project. PARKS inspected construction works between New Aiyansh and the Bob Quinn Substation by truck and foot between November 26 and 29, 2013.</p> <p>Nisga'a Lisims Government Compliance Officers Greg MOORE and Alfred MACKAY attended the inspection with PARKS on November 26th 2013.</p> <p>Representatives from BC Hydro (Matt BARNETT) and Golder Associates (Iain JONES and XXXXXX) accompanied inspectors on November 26th through 28th.</p> <p>The purpose of the inspection was to:</p> <ol style="list-style-type: none"> <li>1. Re-inspect instances of non-compliance with conditions 7, 44, and 49, noted during the previous inspection (June 17 to 19, 2013), including non compliance with condition X at road 334/3.</li> <li>2. Inspect instances of potential non-compliance at towers XXXXX, self-reported by BC Hydro and Golder staff, and</li> <li>3. To further verify the certificate holders compliance with Conditions of EAC# E11-01.</li> </ol> <p>The following observations were made:</p> <ol style="list-style-type: none"> <li>1. The certificate holder was confirmed to have undertaken mitigation at road 334/4 that substantially address concerns at this location on an interim basis.</li> <li>2. The certificate holder was noted to be in compliance with condition 19, at the specific locations inspected.</li> <li>2. The certificate holder was noted to be in non-compliance with EAC conditions #7, 44, and 49. See inspection details section. A follow up inspection is recommended in Fall 2013 to confirm compliance with these conditions.</li> </ol>	<p><u>Order</u></p>

<b>Compliance Summary</b>	<b>In</b>	<b>Out</b>	<b>N/A</b>	<b>N/D</b>
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## Inspection Details

### **Types of Compliance:** Construction

#### **Requirement Description:**

Condition #7 Geotechnical Stability

To mitigate potential adverse effects of high groundwater levels encountered during road or foundation excavation, temporary sumps and pumps will be installed and used, or ditches or drains will be installed. Roads must be designed with suitable ditches, drains or granular filters to intercept and control both shallow groundwater seepage and surface runoff. Suitable foundation designs must be developed for the materials or groundwater levels likely to be encountered.

#### **Findings:**

Access Road 334/3 was previously inspected on DATE. See Appendix X for findings from that inspection.

in compliance

note previous work at road XXX

The See Appendix A: Figures 1-6. The road grade is steep, with the upslope cut and downslope fill unstable, sloughing, and eroding. The ditchline is filled with sediment and material migrating downslope from the cut. Culverts are plugged on both the upslope and downslope ends, and in some cases crushed. The road is in active use, as evidenced by fresh tire tracks and sign requesting notification of Vallard medic prior to using the road. A large spoil pile composed of erodible material and woody debris is located at the base of road 334/3, adjacent to Highway 37 and within the riparian area of Ningunsaw River. A silt fence and erosion blanket had been placed at the toe of this spoil pile, however the pile has overtopped the silt fence and buried the erosion blanket.

**Compliance:** Out

### **Types of Compliance:** Construction

#### **Requirement Description:**

Commitments #44 and 49, Construction Environmental Management Plan - Sediment and Erosion Control Plan

#### **Findings:**

Inadequate sediment and erosion control measures were an issue on the two previous inspections. Inspectors noted a general lack of effective and erosion control measures throughout the project. This includes measures absent where erosion was occurring (no silt fences, water bars, erosion matting, straw mulch, or other measures), incorrect placement (silt fences installed across ditches and streams) or installation of erosion control measures (ie silt fences not dug-in, straw bale ditch breakers incorrectly placed such that sediment laden water flows around and erodes ditch line) and lack of maintenance of measures that were in-place.

Note that the observations made at road 334/3 are consistent with these findings. Active erosion is evident at that location, with no effective erosion or sediment control in place.

Recommend a follow-up prior to snowfall to confirm compliance with condition, preparatory to spring runoff.

See Appendix A: Figures 7-11 and Appendix D regarding the Sediment and Erosion Control Management Plan contained within the CEMP. See also CIMS Inspection Reports 272967 and 274721 (Appendix E and F)

**Compliance:** Out

**ACTIONS REQUIRED BY PROPONENT(S) & ADDITIONAL COMMENTS:**

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**INSPECTION CONDUCTED BY:**

*Signature*

*Date Signed :*

Chris Parks, Environmental Assessment Compliance Officer

FINAL

**ENCLOSURE(S) TO PROPONENT(S) & DESCRIPTION:**

- Appendix A: Photographs
- Appendix B: Excerpt from MOFR Handbook 57
- Appendix C: DFO Operational Statement regarding Clear Span Bridges
- Appendix D: CEMP Sediment and Erosion Control Plan
- Appendix E: CIMS Inspection Report 272967
- Appendix F: CIMS Inspection Report 274721
- Appendix G: June 18, 2012 Warning Letter

**REGULATORY CONSIDERATIONS:**

Previous inspections have identified non-compliance with conditions 7, 44 and 49. The certificate holder has received verbal advisories (May 8, 2012, and November 13, 2012) and a written warning letter regarding non-compliance with these conditions (June 18, 2012)(Appendix G). Non compliance with these conditions may lead to a moderate temporary impact to fish and fish habitat through sediment delivery to fish bearing streams. In addition, current conditions at access road 334/3 may pose risks to public safety.

Recommend that an order under section 34(1)(b)(ii) of the Environmental Assessment Act be issued to the certificate holder to address non-compliance with conditions 7 and 49, by a date to be specified within that order.

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