

Information Request
To: Enbridge Northern Gateway Pipelines Inc.
From: Her Majesty in right of British Columbia (the Province)

**Enbridge Northern Gateway Pipelines Inc.
Enbridge Northern Gateway Project**

Information Request No. 1

1.1 Overview Mapping Requirements

Reference:

- i. Enbridge Northern Gateway Project - Pipeline Route Atlas Index (August 2009).
- ii. Enbridge Northern Gateway Project – Sec 52 Application, Volume 3, Section 3, Page 3-1 to 3-8 and Section 5.9, Page 5-6.

Preamble:

Mapping provided by Enbridge Northern Gateway Pipelines, dated August 2009, identifies the proposed pipeline project from West of Edmonton, Alberta to Kitimat, British Columbia will be crossing numerous tenures and areas of interest belonging to the Ministry of Transportation and Infrastructure (BC MoT).

The following request, regarding additional overview mapping, is necessary for the BC MoT to review the proposal and provide an informed and adequate response on behalf of the Province.

Request:

Please provide:

- a. 1:10,000 scale mapping for the entire proposed pipeline route in BC including:
 - i. Orthographic photo underlay
 - ii. Contour lines at 10 meter intervals
 - iii. Pipeline Stationing
 - iv. All major and minor roads including road names
 - v. Waterways
 - vi. Municipalities and unincorporated areas

- vii. Railways
- viii. Gravel pits and reserves

1.2 Detailed Site Requirements

Reference:

- i. Enbridge Northern Gateway Project - *Pipeline Route Atlas Index* (August 2009).
- ii. Enbridge Northern Gateway Project – Sec 52 Application, Volume 3, Section 3, Page 3-1 to 3-8 and Section 5.9, Page 5-6.

Preamble:

Mapping provided by Enbridge Northern Gateway Pipelines, dated August 2009, identifies the proposed pipeline project from West of Edmonton, Alberta to Kitimat, British Columbia will be crossing numerous tenures and areas of interest belonging to the BC MoT.

The following request, regarding detailed site mapping and designs, is necessary for the BC MoT to review the proposal and provide an informed and adequate response on behalf of the Province.

Request:

- a) The BC MoT requires identification of all BC MOT tenures and overlapping interests affected by the proposed pipeline within 800m either side of the pipeline right-of-way, including the pipeline right-of-way, will be required to carry out the technical review. Please provide 1:1,000 scale plans for all areas identified. Plans should include:
 - i. Cadastral information (PIDs, Legal Descriptions, plan numbers, etc.)
 - ii. Utilities
 - iii. Road names or descriptions
 - iv. Pipeline right-of-way
 - v. Contour lines at 2 meter intervals
 - vi. Ortho photo underlay
 - vii. Waterways
 - viii. Pipeline Stationing
 - ix. Construction limits
- b) Detailed cross-sections and profile designs, referenced to pipeline stationing for proposed pipeline construction within 60m of BC MoT tenures:
 - i. Cross-sections at 1:500
 - ii. Profiles at 1:1000

- c) LiDAR
 - i. Full width Bare Earth tiles for extent of BC proposed pipeline in .XYZ format.
 - ii. Corresponding index

- d) Orthographic Photos
 - i. 15 to 30cm resolution or better in TIFF and ECW format
 - ii. Corresponding index

- e) Digital alignment of the proposed pipeline with stationing in AutoCAD compatible format.

- f) Access Management Plan for all construction and permanent accesses.

- g) Terrain stability mapping of all BC MoT tenures and overlapping interests affected by the proposed pipeline within 800m either side of the pipeline right-of-way, including the pipeline right-of-way.