

# APPENDIX D: *LANDSLIDE ASSESSMENT ASSURANCE STATEMENT*

Note: This Statement is to be read and completed in conjunction with the "APEGBC Guidelines for Legislated Landslide Assessments for Proposed Residential Development in British Columbia", March 2006/Revised September 2008 ("APEGBC Guidelines") and the "2006 BC Building Code (BCBC 2006)" and is to be provided for *landslide assessments* (not floods or flood controls) for the purposes of the Land Title Act, Community Charter or the Local Government Act. Italicized words are defined in the APEGBC Guidelines.

To: The *Approving Authority*

Date: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Jurisdiction and address

With reference to (check one):

- Land Title Act (Section 86) – Subdivision Approval
- Local Government Act (Sections 919.1 and 920) – Development Permit
- Community Charter (Section 56) – Building Permit
- Local Government Act (Section 910) – Flood Plain Bylaw Variance
- Local Government Act (Section 910) – Flood Plain Bylaw Exemption
- British Columbia Building Code 2006 sentences 4.1.8.16 (8) and 9.4 4.4.(2) (Refer to BC Building and Safety Policy Branch Information Bulletin B10-01 issued January 18, 2010)

For the Property:

\_\_\_\_\_  
Legal description and civic address of the Property

The undersigned hereby gives assurance that he/she is a *Qualified Professional* and is a *Professional Engineer* or *Professional Geoscientist*.

I have signed, sealed and dated, and thereby certified, the attached *landslide assessment* report on the Property in accordance with the *APEGBC Guidelines*. That report must be read in conjunction with this Statement. In preparing that report I have:

Check to the left of applicable items

- \_\_\_ 1. Collected and reviewed appropriate background information
- \_\_\_ 2. Reviewed the proposed *residential development* on the Property
- \_\_\_ 3. Conducted field work on and, if required, beyond the Property
- \_\_\_ 4. Reported on the results of the field work on and, if required, beyond the Property
- \_\_\_ 5. Considered any changed conditions on and, if required, beyond the Property
- 6. For a *landslide hazard analysis* or *landslide risk analysis* I have:
  - \_\_\_ 6.1 reviewed and characterized, if appropriate, any *landslide* that may affect the Property
  - \_\_\_ 6.2 estimated the *landslide hazard*
  - \_\_\_ 6.3 identified existing and anticipated future *elements at risk* on and, if required, beyond the Property
  - \_\_\_ 6.4 estimated the potential *consequences* to those *elements at risk*
- 7. Where the *Approving Authority* has adopted a *level of landslide safety* I have:
  - \_\_\_ 7.1 compared the *level of landslide safety* adopted by the *Approving Authority* with the findings of my investigation
  - \_\_\_ 7.2 made a finding on the *level of landslide safety* on the Property based on the comparison
  - \_\_\_ 7.3 made recommendations to reduce *landslide hazards* and/or *landslide risks*
- 8. Where the *Approving Authority* has **not** adopted a *level of landslide safety* I have:

- \_\_\_ 8.1 described the method of *landslide hazard analysis* or *landslide risk analysis* used
- \_\_\_ 8.2 referred to an appropriate and identified provincial, national or international guideline for *level of landslide safety*
- \_\_\_ 8.3 compared this guideline with the findings of my investigation
- \_\_\_ 8.4 made a finding on the *level of landslide safety* on the Property based on the comparison
- \_\_\_ 8.5 made recommendations to reduce *landslide hazards* and/or *landslide risks*
- \_\_\_ 9. Reported on the requirements for future inspections of the Property and recommended who should conduct those inspections.

Based on my comparison between

Check one

- the findings from the investigation and the adopted *level of landslide safety* (item 7.2 above)
- the appropriate and identified provincial, national or international guideline for *level of landslide safety* (item 8.4 above)

I hereby give my assurance that, based on the conditions<sup>[1]</sup> contained in the attached *landslide assessment* report,

Check one

- for subdivision approval, as required by the Land Title Act (Section 86), “that the land may be used safely for the use intended”

Check one

- with one or more recommended registered covenants.
- without any registered covenant.

- for a development permit, as required by the Local Government Act (Sections 919.1 and 920), my report will “assist the local government in determining what conditions or requirements under [Section 920] subsection (7.1) it will impose in the permit”.

- for a building permit, as required by the Community Charter (Section 56), “the land may be used safely for the use intended”

Check one

- with one or more recommended registered covenants.
- without any registered covenant.

- for flood plain bylaw variance, as required by the “Flood Hazard Area Land Use Management Guidelines” associated with the Local Government Act (Section 910), “the development may occur safely”.

- for flood plain bylaw exemption, as required by the Local Government Act (Section 910), “the land may be used safely for the use intended”.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

<sup>[1]</sup> When seismic slope stability assessments are involved, *level of landslide safety* is considered to be a “life safety” criteria as described in the National Building Code of Canada (NBCC 2005), Commentary on Design for Seismic Effects in the User’s Guide, Structural Commentaries, Part 4 of Division B. This states:

*“The primary objective of seismic design is to provide an acceptable level of safety for building occupants and the general public as the building responds to strong ground motion; in other words, to minimize loss of life. This implies that, although there will likely be extensive structural and non-structural damage, during the DGM (design ground motion), there is a reasonable degree of confidence that the building will not collapse nor will its attachments break off and fall on people near the building. This performance level is termed ‘extensive damage’ because, although the structure may be heavily damaged and may have lost a substantial amount of its initial strength and stiffness, it retains some margin of resistance against collapse”.*

\_\_\_\_\_  
Address

\_\_\_\_\_

\_\_\_\_\_  
Telephone

(Affix Professional seal here)

If the *Qualified Professional* is a member of a firm, complete the following.

I am a member of the firm \_\_\_\_\_  
and I sign this letter on behalf of the firm. (Print name of firm)