



REQUIREMENTS FOR A WILDFIRE HAZARD ASSESMENT REPORT

For the Wildfire Hazard Development Permit application, a wildfire hazard assessment report must be prepared and sealed by a Qualified Professional and include the information as outlined below.

Qualified Professional: A Registered Forest Professional with appropriate education, training, and experience, and fully insured and in good standing with the relevant Professional association. The Qualified Professional should have at least two years experience in the assessment, fuel management prescription, and mitigation of wildfire hazards in British Columbia.

Property Description: Reports shall include both legal and street addresses of the subject property, and also a plan showing the location of the property relative to the wildland urban interface. A description of the intended use of the land is required.

Arborist Report: It is recommended that the arboricultural impacts of the proposed development be undertaken at the same time, to ensure that trees slated for retention within the Wildfire Risk assessment can be practically protected within the expected scope of disturbance from the construction activities. An Arborist report will also identify all trees protected under the Tree Bylaw that require removal/pruning or protection within and adjacent to the site for the development. **A tree permit will still be required for removal or pruning of protected trees under the Tree Bylaw.**

Building Setbacks: Proposed building setbacks from hazardous fuel types must be clearly defined.

Wildfire Hazards: Reports shall include but are not limited to completing a Structure and Site Hazard Assessment pursuant to the NFPA 1144 Standard for Reducing Structure Ignition Hazards from Wildland Fire (2013 Edition). This includes:

- i. a clear assessment and quantitative description of surface, ladder, and crown fuels by type, species (where applicable), quantity, and distribution.
- ii. an assessment of risk level for the proposed development based upon fuel loading, building design, landscaping, location specific concerns, and setbacks from forested edges.
- iii. all factors contributing to fire hazard shall be detailed and discussed.
- iv. representative photographic examples of the site, and a map showing trees, proposed works, and building or structure footprint.

Proposed Wildfire Hazard Mitigation Works: Proposed works shall be prescriptive in nature with sufficient detail to allow an appropriate contractor to successfully undertake the required works. All mitigation measures must be contained within or undertaken from the subject site area. Consideration will only be given to off-site works where a high or extreme fire risk exists which cannot be feasibly mitigated from within the site and land owners consent has been given. The following information shall be included in the report:

- i. Mitigation objectives and methods;
- ii. Tree species, size and location for all trees greater than 10 cm DBH.
- iii. Recommended pruning heights;
- iv. Detail surface fuel cleanup requirements;
- v. Debris disposal methods;
- vi. Pre- and Post-canopy closure estimates for the property;
- vii. Windthrow assessment;
- viii. Hazard tree assessment;
- ix. Recommendations to address hazards related to building material, other flammable materials, and existing or planned vegetation with respect to landscaping;
- x. A topographical map showing trees, proposed works, and building or structure footprint.

Building Construction: Building design shall be in accordance with Development Permit Area NE1 Guidelines for the Wildfire Hazard DPA. The report requires reference to the building materials and footprint.

Roofing Materials: Roofing materials shall be in accordance with Development Permit Area NE1 Guidelines for the Wildfire Hazard DPA.

Landscaping: Landscaping within 10 m of the building or structure must be clearly indicated and primarily comprised of species with low flammability. The FireSmart Canada website has a manual for landscape planting that can be downloaded free at: <https://www.firesmartcanada.ca/resources-library/firesmart-guide-to-landscaping>

Maintenance Requirements: Reports shall include a maintenance plan that outlines short-term and long-term maintenance requirements to ensure future wildfire risks are minimized to the extent possible.

Report Sign Off: At the completion of the development and before occupancy, the Qualified Professional shall inspect, take photographs, and note any deficiencies. The completion report shall be submitted to the District.