

<b>Title:</b> Regulation of Earth Fill within Floodplains	<b>Policy No:</b> 9.10  <b>Supersedes:</b> New
<b>Authority:</b> <input checked="" type="checkbox"/> Legislative <input type="checkbox"/> Operational <b>Approval:</b> <input checked="" type="checkbox"/> Council <input type="checkbox"/> CMT <input type="checkbox"/> General Manager	<b>Effective Date:</b> July 25, 2012  <b>Review Date:</b> 2013
<p><b>Policy Statement:</b></p> <ol style="list-style-type: none"> <li>1. In support of "Bylaw No. 5763-1999: A Bylaw to Regulate the Placement of Fill on Land in the District" (Bylaw) any applications within the boundaries of a floodplain shall be referred to the Engineering Department. The applicant shall be required to submit a hydraulic assessment of the proposed work addressing the following:           <ol style="list-style-type: none"> <li>a. Current site conditions</li> <li>b. Impact assessment of proposed works</li> <li>c. Proposed Mitigation Plan.</li> </ol> </li> <li>2. No fill permit application will be considered complete within a floodplain without the submission of a Hydraulic assessment.</li> <li>3. No fill permit within a floodplain shall be approved or considered for exemption until a complete application has been received and the hydraulic assessment reviewed by the Engineering Department.</li> <li>4. A Hydraulic assessment must be completed by a qualified professional, provide detailed analysis of the existing site conditions, an assessment of the impacts of the proposed fill on surface and groundwater hydrology and identify the criteria and concepts for proposed mitigative works.</li> <li>5. Any proposed fill that provides flood protection or alters the natural route of overland drainage must also provide a hydraulic model simulating the pre and post flood conditions.</li> <li>6. Conceptual mitigative works once reviewed must be re-submitted as detailed designs and sealed by a qualified professional.</li> </ol>	
<p><b>Purpose:</b></p> <p>To clarify the requirements for an applicant to evaluate the potential impact of the placement of fill within a floodplain and the need to develop an appropriate mitigation plan to address the hydrological impact on the subject property and adjacent lands.</p>	

**Definitions:**

"Floodplain" shall be considered the boundaries where any storm event (not exceeding the 1:200) result in the routing of a natural watercourse outside of the top of bank; or as identified by Provincial mapping and regulations, the District GIS mapping system or any other comprehensive drainage report.

"Flood protection" is the installation of physical measures such as earth berms to protect properties against harm but without negatively affecting adjacent or surrounding properties.

"Qualified Professional" is a professional engineer acting alone or with another, in good standing in British Columbia with expertise to review hydrological issues pertaining to proposed fill operations in floodplains.

**Key Areas of Responsibility****Action to Take**

- a) Location of application in relation to local floodplains
- b) Assess proposed works for the provision of flood protection.
- c) Review Hydraulic Submissions
- d) Review Design Submissions
- e) Provide comments to be included in permit
- f) Approve Fill Permit

**Responsibility**

- a) Planning (Env. Sect.)
- b) Engineering
- c) Engineering
- d) Engineering
- e) Planning (Env. Sect.)
- f) Planning (Env. Sect.)