Utilities Modeling Analysis Application Form

Section 1 – Instructions / Process Outline:

a. Complete numbered items 1 – 5, outlined below in Section 2, and submit the completed form to the Engineering and Public Works department (engpost@newwestcity.ca)

b. The Engineering and Public Works (EPW) department will determine which combination of utilities modeling will be required in the analysis. The various combinations are outlined in Section 3, towards the end of this form.

c. Once the EPW department has determined the combination of utilities that will need to be included in the utilities modeling analysis, an associated cost will also be provided to the applicant; the EPW department will complete Section 3.

d. The EPW department will then provide a copy of the completed utilities modeling analysis form to the applicant, which will also include the associated cost to conduct the utilities modelling analysis; the EPW department will also provide an Engineering and Public Works fee slip that will contain the cost to conduct the utilities modelling analysis.

e. The applicant would then return to the Planning and Development department to pay the applicable fees and charges that are associated with the development application, in addition to paying for the utilities modeling analysis.

Section 2 – Proposed Development Details

Please ensure all required information and attachments are provided. Incomplete applications will not be accepted.

1. I/We _____
(Full Name)
of _____
(Address) (Phone Number)
hereby apply for municipal utilities modeling analysis upon the following lands:
Address: _____
Legal Description: _____
_____

2. The registered owner of the lands (if not the applicant)
is: _____
of: _____
(Address) (Phone Number)
and an original **Letter of Authorization** from the owner authorizing this application is attached hereto.

3. **The proposed built-out land use**
Total number of residential units _____
Total floor area of proposed commercial and institutional _____ sq. ft.
Others _____ (e.g. community center) _____ sq. ft.
Pre-development impervious area percentage of lot area_____ %
Post-development impervious area percentage of lot area_____ %

4. Fire flow requirements shall be determined using the latest edition of the "Water Supply for Public Fire Protection - A Guide to Recommended Practice", published by the Fire Underwriters Survey (FUS).

   If fire flow values cannot be determined through the FUS approach (e.g., insufficient details regarding the development), then the fire flow requirements outlined in the latest edition of the City's New Westminster's Subdivision and Development Control Bylaw (Section 5.2.2 - Fire Flow), shall apply as the minimum acceptable values.

Land Use	Required Fire Flow (L/s)
Single and Two Family Residential	100 L/s
Four-plex Family Residential	
Six-plex Family Residential and Townhouses	120 L/s
Multi-family Residential (e.g., 4-8 storeys)	150 L/s
High Rise Residential (e.g., 8+ storeys)	200 L/s
Industrial	225 L/s

Table under Section 5.2.2 – Fire Flow, City of New Westminster's Subdivision and Development Control Bylaw No. 7142, 2007, including the latest amendments.

5. Will this be a multi-phased development? _____ (yes/no)

   If yes, please include the number of phases: _____

Please ensure that all the following items are included with your Application :

- ☐ Preliminary Site Plan (including dimensions; e.g., proposed building dimensions, dwelling unit dimensions, number of buildings, etc.)
- ☐ Detailed perimeter drainage design (or utilities demand calculations)
- ☐ Signed application (see below)
- ☐ Cross-sections of property, or properties
- ☐ Original Letter of Authorization from Owner

I hereby agree to release and forever indemnify and hold harmless the City, its elected officials, officers, employees, agents and assigns from and against all manner of actions, causes of action, claims, debts, suits, demands and promises whatsoever at law or at equity, whether known or unknown, which have arisen or may arise in connection with, directly or indirectly, the granting or existence of a permit issued to me to conduct the deposit operation proposed by this application.

Applicant Signature: _____ **Date:** _____

The City of New Westminster is committed to protection your privacy. This information is collected by the City under section 26(c) of the *Freedom of Information and Protection of Privacy Act* and will be used for the purpose of administering and processing your Utilities Modeling Analysis Application. Should you have any questions about the collection or use of your personal information, please contact the FOI and Privacy Coordinator, 511 Royal Avenue, New Westminster, V3L 1H9, 604-527-4523, privacy@newwestcity.ca.

Section 3 – For Office Use:

Select the required modeling work:

☐ Water	☐ Sanitary	☐ Stormwater
☐ Water and Sanitary	☐ Water and Stormwater	☐ Sanitary and Stormwater

☐ Full Review (Water, Sanitary, and Stormwater)

The required modeling fee of _____ shall be included with this application.

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