



October 4, 2007

File: 0120.01/00

Mr. Corrie Kost
2851 Colwood Drive
North Vancouver, BC
V7R 2R3

Dear Mr. Kost:

Re: Right to Know Week

I am writing in response to the two questions you have raised in your e-mail of September 29, 2007 with reference to "Right to Know Week".

Does the new Lynn Valley Library/Town Centre meet 2005 Earthquake Specifications?

In order to receive a building permit the Lynn Valley Library had to be designed in accordance with the 1998 BC Building Code. However, the design team was aware of the potential changes that were under consideration for the 2006 BC Building Code and these were taken into consideration. For example, although not required under the 1998 code but included in 2006 code a Dynamic Analysis of the project was completed to understand how the building would respond to a design earthquake. The team was also aware that the seismic values proposed for the Vancouver region in the 2006 code were similar to the design values in the 1998 code and as a result the design parameters would be similar.

In short, the engineering analysis completed for the Lynn Valley Library/Town Centre would measure up favourably when compared to the 2006 code.

Does the new \$600 million water filtration system for the Seymour/Capilano reservoirs deal with very high turbidity events that are expected due to climate change?

The new filtration plant has been designed to handle turbidities that have historically occurred in the Seymour and Capilano water supplies over the last several decades, including the event that occurred last November (short tem turbidities of 50 to 90 ntu). The plant has been designed to increase its turbidity removal capacities by adding a sedimentation (solids removal) step ahead of the filters, and space has been provided during construction to do so.

Therefore should climate change result in much higher water source turbidities in the future, the plant can be modified to handle approximately 10 times the recent turbidity levels which will be more than adequate.

I trust the foregoing answers your questions.

Yours truly,



Gavin Joyce, P.Eng
Acting Director of Corporate Services

/dlb

cc: Mayor & Council
Dennis Back, Chief Administrative Officer
Margaret Eckenfelder, Director of Sustainability, Planning & Environment Services
Jozsef Dioszeghy, Director of Environment, Parks & Engineering Services