

Drinking Water Well

- Perform a six-hour pumping test, at a pumping rate in accordance with the number of dwelling units to be connected to the well (one or two).
- Submit one raw water sample, collected at the end of the pumping test, to an approved laboratory for analysis of the “Subdivision Package” list of parameters

Assessment of Sewage System Impact

- Determine whether the development area is hydrogeologically sensitive (for example, karstic areas, areas of fractured bedrock exposed at surface, areas of thin soil cover, or areas of highly permeable soils).
- If the lot is one hectare or larger no additional assessment, beyond the determination of hydrogeological sensitivity, needs to be provided.
- If the lot is less than one hectare, it will have to be determined whether: a) the sewage system(s) is (are) isolated from the receiving aquifer or b) the impact from the sewage system(s) is acceptable.

Reporting

A letter-report is to be prepared by the professional geoscientist (P.Geo.) or professional engineer (P.Eng.) under whose supervision the above work has been performed. The letter-report will include the results of the study, the analyses and the MOECC water well record (if the record is available). The proposed Coach House will only be approved if the professional can demonstrate the following:

- i) The raw water quality meets health-related water quality standards;
- ii) the raw water is within the following aesthetic limits:
 - a. Chloride: 250 mg/L
 - b. Dissolved Organic Carbon: 10 mg/L (as C)
 - c. Iron: 10 mg/L
 - d. Manganese 1.0 mg/L
 - e. Sodium: 200 mg/L
 - f. Sulphate: 500 mg/L
- iii) the water supply is sustainable;
- iv) the area of development is not hydrogeologically sensitive; and
- v) a) the sewage system is isolated from the receiving aquifer, or b) the impact of the primary dwelling plus the Coach House is less than 10 mg/L nitrate-nitrogen at the property boundary.

The letter-report shall be to the satisfaction of the City.

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