



POTABLE WATER SUPPLY - RURAL SUBDIVISIONS

This information is intended as a general guide to aid the developer/owner in providing a potable (drinkable) water supply within each rural parcel created by a subdivision.

The Approving Officer will not approve a subdivision until the owner has proven a potable water supply by way of a private well for each lot being created, including any lot which will contain an existing dwelling. All new vacant lots must be serviced by drilled wells. However, a shallow (dug) well which was in use at the date of subdivision application to service an existing residence on the parent property may be retained provided it is tested and certified as meeting the Guidelines for Canadian Drinking Water Quality requirements and provided it is located within the boundaries of the newly configured parcel which will contain the existing residence. A copy of the required "Private Well Certification" is attached.

If you have questions regarding the information presented in this handout, please contact Mr. Tony Miniaci, Engineering Technologist, at 604-820-3738 or email tminiaci@mission.ca.

Water Quantity

Each private well must provide a quantity of water not less than 2,500 litres per day and provide a sustained yield of 9 litres per minute for a minimum of four hours (2,160 litres).

The water quantity must be certified by a Professional Engineer or a Professional Geoscientist with expertise in ground water supply. The certified quantity must reflect the lowest possible water table. The Professional Engineer or Professional Geoscientist must also provide a hydrogeologic impact assessment which considers:

- (i) Impact of each proposed well on neighboring wells both within and adjacent to the proposed subdivision, and
- (ii) Long term impact of the proposed wells on the source aquifer.

The certification report shall include a site plan showing the proposed subdivision layout with locations of wells clearly indicated. Copies of pumping test results and drawdown and recovery curves should also be included in the report.

Firms known to have expertise in this field are listed below. Other firms with similar expertise may be used.

Levelton Consultants Ltd.	604-533-2992 (Surrey)
Thurber Engineering Ltd.	604-684-4384 (Vancouver)
Golder Associates Ltd.	604-850-8786 (Abbotsford) or 604-296-4200
Hugh Reed Consulting Ltd.	604-530-8895 (Langley)
Arden Consulting Engineers Ltd.	604-807-1712 (Abbotsford)

PRIVATE WELL CERTIFICATION

PURSUANT TO the District of Mission Subdivision Control Bylaw 1500-1985 as amended, which requires that each lot to be created by subdivision, including that on which a dwelling may exist, can be serviced with potable water in accordance with the requirements of the Bylaw;

For the development of the following property/properties:

LEGAL DESCRIPTION:

CIVIC ADDRESS:

OWNER(s):

I certify that a quantity of not less than 2,500 litres per day has been proven for each existing or proposed lot in the subdivision.

I certify that each well within the subdivision has been tested and is capable of continuously providing water at a rate of 9 litres/minute for a period of four consecutive hours.

I certify that the withdrawal of the above daily quantities of water will not adversely affect the long term stability of the aquifer and that each well will be capable of delivering these quantities of water at all times of the year.

I certify that none of the wells within the subdivision will have an adverse impact on any other wells within or in the vicinity of the subdivision.

I certify that water quality tests have been conducted on water samples I, or someone under my direct supervision, have drawn from each of the above noted wells and that the resulting concentrations of all health related parameters do not exceed the Maximum Acceptable Concentrations in the Guidelines for Canadian Drinking Water Quality.

I further certify that either: (check applicable item)

___ measured concentrations of aesthetic parameters do not exceed the Maximum Acceptable Concentrations;

or

___ I have attached a detailed statement of the potential impact of each aesthetic parameter which exceeds the Maximum Acceptable Concentration on the health of persons drinking the water.

Certified By (Name of Groundwater Professional):

Address:

PROFESSIONAL SEAL

Attach copy of water analyses and recommendations

