

## ISLAND LAKE AREA WELL CONSTRUCTION REQUIREMENTS

Based on the Interlocal agreement with Kitsap County, Washington State Department of Ecology, and the Kitsap Public Health District.

### 1.0 Procedure for Obtaining Water for New Construction and Replacement of Existing

**Wells:** Until the current study is completed and a re-evaluation of the Island Lake Aquifer is performed, Ecology, in concurrence with the County and the Health District, has agreed to approve wells within the Island Lake Restricted Area as follows:

- 1.1 When a Building Site Application (BSA) for new construction is submitted to the Health District, the Health District will work with the applicant and local public water purveyors in the area to determine whether or not a public water system can serve the property at a reasonable cost. If this can be accomplished the applicant will be required to connect to public water and will have to meet all Purveyor and Health District requirements for obtaining public water.
- 1.2 In the event the applicant of the BSA for new construction cannot obtain public water, a new well will be allowed, provided that it complies with the following requirements:
  - a. The well must be drilled and completed at a minimum depth that is equivalent to mean sea level. If an aquifer is not located at mean sea level, or the water available is not sufficient, either because of quantity or quality as specified in Kitsap County Board of Health Ordinance 1999-6, then the well may be completed at the deepest part of the aquifer encountered immediately above sea level.
  - b. If it is determined that there is only one aquifer encountered at a shallow depth, and it is demonstrated that normal use of water from residence(s) on such a well are having an adverse affect on the aquifer or tributaries to Barker Creek, i.e. reduced static water level, decreased well production unrelated to a defective pump, an extreme drop in stream flow, etc. then any and all residences on such a well will be restricted to in-house use only. This may result in no outside use of water for irrigation of lawns and garden, or depending on the severity of the impact to the aquifer, additional restrictions may be placed on the well user(s) as deemed necessary by the Department of Ecology.
  - c. Existing well owners who want to add a second connection to their water supply must have a well that is completed at a minimum depth equivalent to mean sea level or deeper. If they do not meet this criteria, the second connection may be added, provided they meet one of the following two alternatives:
    - (1) The well owner must provide source development data to establish the capacity of the source, including water level (feet or meters), yield (gallons/minute or liters/minute) and the amount of drawdown (feet or meters), recovery rate (feet/minute or meters/time) and duration of pumping. The source shall be pump tested at no more than 5 gpm (single family design flow rate) until

drawdown stabilization has been established for at least four hours. Provided proper stabilization is established, the system shall be designed with a flow rate not to exceed 5 gpm with a minimum 800 gallons of storage and a booster pump with a capacity of not less than 10 gallons/minute.

(2) The existing drilled well may be deepened or a new well may be drilled provided the well meets criteria established in section 3.2 a. of this Agreement.

**3.3** Existing wells, which require replacement due to quality or quantity, can be drilled into the same aquifer of the well that is being replaced provided the existing well has been in use within the past five years and the replacement well isn't being drilled for additional connections. Prior to drilling the replacement well the applicant will be advised of the following alternatives:

- a. The Health District will provide the applicant with the name(s) of local public water purveyors in the immediate area to determine whether or not a public water system can serve the property at a reasonable cost. If this can be accomplished the Health District will recommend that the applicant connect to public water.
- b. The applicant will be provided the opportunity to check with neighboring well owners of single family wells to determine if there is interest in adding an additional connection to their well. If an owner of an existing well agrees to share their well, they would be required to meet requirements specified in 3.2 c of this Agreement.