

Englishman River Water Service Area

Introduction

The Englishman River Community Water Service Area was established in 2003 and comprise an area near the southern boundary of the City of Parksville between the Island Highway and the Englishman River. There are currently 42 residential connections and 1 commercial connection to the water system. The water source for the Englishman River Community Water Service Area comes from a series of groundwater wells located nearby. The water source is chlorinated and stored in one reservoir.

Detailed Description

Well

The wells are located in an RDN right of way located on Rascal Lane.

Well #/ Name	Well Depth	Wellhead protection?	Treated or Untreated by Chlorine
PW #2	29.3 m	Yes	Treated
PW #3	32.6 m	Yes	Treated

Reservoirs

There is one dual chambered concrete reservoir that holds approximately 125,000 gallons each side. The reservoir is located on the South side of the subdivision on an RDN right of way.

Distribution System

The distribution system consists of a mix of 200mm, 150mm and 100mm PVC supply lines. Fire Hydrants are included in the system.

Maintenance Programs

Sources

Regular maintenance of the well head areas to ensure the risk of contamination or systems failure is reduced or eliminated.

Reservoirs

Scheduled for flushing and cleaning every two years.

Distribution System

Water mains are flushed annually.

Current Year Planned Maintenance / Improvements

Metal fence installed around both wells to increase well head protection.

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Fire Hydrant maintenance.

Water Sampling and Testing Program

See attached for all water testing reports.

The distribution system is tested using the following schedule.

Timing	Location	Tests
Weekly	In house laboratory (RDN)	Fecal Coliforms Total Coliforms Temperature PH Chlorine Total Dissolved Solids Salinity Conductivity Iron Manganese
Weekly (Health Dept. Required)	Independent Laboratory*	Fecal Coliforms Total Coliforms
Monthly	Independent Laboratory*	Chloride
Quarterly	Independent Laboratory*	Chloride Conductivity Sodium Total Dissolved Solids
Annual	Independent Laboratory*	Complete potability testing in both wells in October. Complete potability testing in system water (residence).

* North Island Laboratory.

Source Transmission and Distribution System Water Quality

See attached lab analysis sheets

Emergency Response Plan

The Englishman River Community Water Local Service Area Emergency response plan is attached for information. This document is updated annually to ensure contact and other relevant information is in place. The emergency Response Plan for part of the overall RDN's Emergency Response Plan Document.

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Cross Connection Control Program

Cross connection control is largely achieved through the installation of dual check valves at every metering point in the system. A Cross Connection Control is being developed in 2007.

Water Quality Inquires and Complaints

Inquires were of a general nature related to the delivery of potable water to serviced properties.