San Pareil Water Service Area

Introduction
The San Pareil Water Service Area was established in 1999 when the RDN acquired the existing Bubbling Springs water Utility. This system is located northeast of the bridge just prior to entering the City of Parksville. There are currently 275 residential connections and 1 commercial connection to the water system. The water source for the San Pareil Water Service Area comes from a series of groundwater wells located nearby. The water source is chlorinated and stored in

Detailed Description

Wells
Both wells are located at 1090 Shorewood Drive. A third well has been drilled close by and is undergoing testing at this time to determine potential yields.

<table>
<thead>
<tr>
<th>Well #/ Name</th>
<th>Well Depth</th>
<th>Wellhead protection?</th>
<th>Treated or Untreated by Chlorine</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>6.2 m</td>
<td>Yes</td>
<td>Treated</td>
</tr>
<tr>
<td>#2</td>
<td>6.2 m</td>
<td>Yes</td>
<td>Treated</td>
</tr>
</tbody>
</table>

Reservoirs
There is one reservoir that holds approximately 75,000 gallons. It is also located at 1090 Shorewood Drive.

Distribution System
The distribution system consists of 150 mm and 100 mm PVC and AC supply lines. Fire Hydrants are connected to 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
The reservoir is not cleaned as there is no second reservoir for backup purposes.

Distribution System
Water mains are flushing annually.

Current Year Planned Maintenance / Improvements

Fire Hydrant maintenance.
Watermain replacement on Maple Lane between Shorewood Drive and Balleras
San Pareil Water Service Area

Road. Increased sizing from 150mm to 200mm and added one additional hydrant.

Water Sampling and Testing Program

See attached for all water testing reports.
The distribution system is tested using the following schedule.

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

* North Island Laboratory.

Source Transmission and Distribution System Water Quality

See attached lab analysis sheets.

Emergency Response Plan

The San Pareil 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.
## San Pareil Water Service Area

### 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.