



REGIONAL DISTRICT
of
NORTH OKANAGAN

WHITEVALE WATER UTILITY

AGENDA & NOTES

File No.: 5640.1

Thursday, February 10, 2011

AGENDA

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NOTES ON AGENDA ITEMS

1. Introductions

Rick Fairbairn, RDNO Director, Area D

Zee Marcolin, P.Eng., Utilities Engineer

Rod Pleasance, P.Eng., Project Engineer

Map of Water System Attached

2. Bylaw No. 2473, 2011 - A bylaw to impose rates for the Whitevale Water Local Service Area

The proposed Bylaw No. 2473, 2011 is attached.

The main changes to the Bylaw are the introduction of cost recovery fees for services and development charges. Objective is to provide RDNO a mechanism to recover costs where appropriate and to provide consistency between all RDNO water services.

Bylaw No. 2473, 2011 also implements an average 20 % increase in residential user fees.

An examination of the residential rate for 2011 is \$544 per annum or \$516.80 if the 5% discount is taken advantage of.

Attached is a table that compares rates from other small and larger water utilities within the BC interior. The user rates for Whitevale are within the range of what other water utilities pay, including larger communities.

3. 2011 Budget

A breakdown of the preliminary 2011 budget for the Whitevale Water Utility is provided as an attachment and the year end financials are also included. The current budget is goal is to balance the budget while completing necessary works.

Increases in the Budget include:

- Upgrading computer
- Now operated by contract operator
- Increased system monitoring requirements (IH Mandatory)
- Increased sampling and laboratory fees
- Increased utilities costs
- Recommended works for 2011 and future (outlined in Section 4)

4. Work Required or Recommended for 2011

- Hydraulic Modeling of the System – Whitevale requires the installation of two sample stations. In order to locate these stations in the most suitable locations for obtaining the best water quality data to protect Whitevale residents. RDNO has applied for a grant to complete this works and will only be completed if the grant is acquired. (See section 6).
- Install 2 sampling stations – The water sampling program in Whitevale currently samples from the well, the reservoir and from two houses within the subdivision. Accessibility and quality issues have been experienced by RDNO staff. Hence, RDNO requires the installation of 2 sampling stations installed roadside, one at the end of Fraser Road will also be used to flush the system on a monthly basis. RDNO has applied for a grant to complete this works and will only be completed if the grant is acquired (See section 6).
- Installing sampling tube in well and water level probe to SCADA – There is currently no sampling port in the Whitevale well to house the water level probe, which is currently stuck between the well casing and the intake pipe. A water level is required for operational (protect the pump from cavitations) and long term maintenance (track long term specific capacity trends). RDNO has applied for a grant to complete this work (See section 6).
- Installation of Alarm Call Out Equipment for SCADA – Required to call out to operator or RDNO staff when the system is not responding appropriately (i.e. low pressure, high or low reservoir levels, pump failure, etc.). This deficiency in the system was only recently identified and not included in the 2011 budget, but will be completed this spring.
- Fence around Pump House – This work is identified as being needed in the future but not budgeted for this year.

Other works that will be initiated and/or completed by RDNO Engineering staff in 2011

- Overhaul of Emergency Response Plan (IHA Mandatory)
- Operational Procedures
- Detailed Facility Inventory
- Strategic Planning – to plan for required improvement works and potential upgrades
- Hydraulic Modeling of System
- Website to provide information on Whitevale Water Utility

5. Legislative Requirements and Planning

BC Drinking Water Protection Act was enacted in 2001 and under this act, water suppliers are required to meet the expectations of the Act including meeting the Canadian Drinking Water Quality Guidelines (CDWQG). IH is the provincial government body tasked with overseeing the implementation of the Act. In response, IH has developed the 43210 objectives for clean drinking water (Brochure attached).

Whitevale water is supplied by a confined aquifer and undergoes disinfection (chlorination).

6. Community Works Fund Grant Application

On behalf of the Whitevale Water Utility users, RDNO has applied for funding to complete the hydraulic modeling, installation of two sampling stations and installation of sampling tub in well plus an additional probe. This grant application was to the Community Works Fund and the applications are currently under consideration.

7. Voluntary Water Restrictions

Residents will be asked to undertake voluntary water restrictions in the peak months. A letter will be sent out in the next few months outlining the restrictions (they will be similar to last year).

The following websites provide excellent tips on how to conserve water:

www.livingwatersmart.ca or www.okwaterwise.ca

8. Emergencies – who to call

Whitevale Water Emergencies:

Operator – Aberdeen Electric Ltd., Armstrong

Prime contact – Warren Wagner Cell 250-558-8431
Home 250-546-1890

Backup contact – Jeremy Spiller Cell 250-308-0678

Other Inquiries – Zee Marcolin at RDNO 250-550-3660

Attachments

- Whitevale Water Utility Map
- Bylaw No. 2473, 2011
- Rate Comparison Table for Small Water Utilities within the Interior of BC
- 2011 Budget Information
- 2004 to 2011 financials for Whitevale