

Van Anda Improvement District October 7, 2015 Meeting Minutes

In Attendance:

Trustees: Bob Timms
Karen May
Mike Craggs
Walter Gussman

Employees: Ken Soles, Water Maintenance
Heidi Gable, Administrator
Mike Craggs, Fire Chief

Guest: David Chan and Shawn McBeath, UBC Research Scientists
Trustee Terry Hollo off Island

Chair called for any **declarations of conflict of interest** – there were none to declare.

Chair asked for any **additions to and/or approval of the agenda**. It was moved to approve the agenda as presented, seconded, carried.

Fire Report

Fire Department Budget, 2016 – The budget was revised to include half the amount of the truck loan as a means to prepare for the purchase of a new tanker.

Air Motion – Chief is looking into a **ventilation system** for the fire hall. The ventilation system is required for when the trucks are starting up in the bays of the hall.

The department has decided to put a hold on the **purchase of the new boots**.

The **new bladder** which is on order hasn't arrived as yet.

The budgeted capital expense for 2016 for the hall itself is **new linoleum flooring** for the exercise room.

The **SCBA base units have been certified**. This is a bi-annual requirement.

The **commercial vehicle inspections for both trucks** have been scheduled for October 15. Aero Services will be coming over to do the inspections.

The Chief has given authorization to purchase the **Volunteer Firefighter's Insurance** through Phoenix Benefits Solutions Inc.

The **2010 Freightliner truck insurance** is up for renewal. The Chief will look after renewing the insurance for the truck.

RES'EAU WaterNET Update – David Chan and Shawn McBeath attended the meeting.

Shawn is a visiting UBC graduate student working on his Master's thesis on **Electrocoagulation**. Shawn explained this revolutionary method of removing dissolved organics from the water. Previous methods used chemicals to bind organics so they could be filtered. With electro-coagulation the chemicals are created right in the water you are treating so there is no need for handling any chemicals. Priest Lake water is high with dissolved organic coliforms. Ideally, the water should be below 2 parts per million. Once the water reaches below 2 ppm users don't have to worry about THM's – caused by chlorination combining with high organics. Disinfection by-products are formed which are considered carcinogenic. By adding electricity using 2 electrodes, one being iron for example and the other stainless steel then connecting the power supply (positive and negative), the electrical current creates a flow, water passes through the electrodes, a chemical is

created, iron hydroxides, creating flocks which can then be filtered out. Basically, the dissolved organics glom together with the iron hydroxides creating larger particles that when filtered can be captured in the filters and removed from the water. UBC is the first to have used this method at a pilot scale level. To date the results have been very promising. Priest Lake levels have gone from 4 to 6 ppm to below 2 after coagulation – over 50% removal after treatment. The best removal so far has been at low voltage and lower density. The cost for electricity using this method of treatment is approximately \$0.04 per 10,000 liters at 5 liters/minute.

UBC research scientist discussed the **moving of the trailer**. The trustees assured him it isn't a rush to have the trailer moved off the spit to the original site but there will come a time over the winter months when the spit will be underwater. It will be questionable whether or not the trailer will be accessible or if the water will seep in at the floor level. David will be travelling to another First Nations community during the month of October as well as attending a conference. We will plan to move the trailer by the end of October.

Safety – David texts his UBC contacts daily as a check in process. He will now text Heidi as well to check in when he heads on site at the trailer and again off site.

Water Report:

Pump hours – distributed for perusal. Pump hours at the lake are averaging 9.68 hours daily (slightly down from 10 hours last month) or 100,945 gallons daily. Wall Street pump house hours are averaging 1.69 hours/day.

Work completed since last meeting:

- took UBC samples on September 9 and sent off.
- installed a waterline from the shop to the building at the corner of Para and Marble Bay Rd. (2071 Marble Bay Rd.) on Sept. 9. Installed a meter setter (3/4") in a concrete box with an iron lid.
- supplied a ratepayer with parts to repair his waterline after he dug it up and damaged it.
- made up a list of spare parts to order for on-hand inventory on September 11.
- sampled sites 1 to 4 on September 15. Never received the results back for these samples.
- ran the Gen Set for ½ an hour on September 19. The generator ran well except the alarm was on again in the morning.
- met Roger Gillen, the diver, on September 22 to inspect the culvert at the highway. The culvert is 48" around and is 14' from the shore to the entrance on the lake side. Removed a piece of driftwood from the entrance on the lake side. Both ends looked clear as far as diver could see. Could not see daylight from either end of the culvert.
- changed the tube on the Flex Pro B and switched over on September 23.
- took down the Stage 2 water restriction sign on September 24.
- received a call from a ratepayer on September 27 regarding a leak on Smelter. Could hear water running under the pavement. The ratepayer's service across the road (2466 Smelter Ave.) was leaking at the saddle and also had a hole farther down. Replaced the barb fitting (1/2") on the saddle and replaced 10' of line with barbed union and clamps.
- sampled sites 5 to 8 on September 29. Only received the raw water results back.
- received a call from a contractor they were changing out Hydro poles at Midas and Columbia. Met with them on October 1 to talk about where the waterlines are located.
- picked up a pallet of chlorine from Aaron Service in Powell River on October 2.
- received a call about a leak on Main St. Alley on October 2. Water was coming out of the curb stop pipe to 515 Nicholas Avenue. Called Fudge Contracting to arrange his excavator for the next morning. Dug up the main and the curb stop. The curb stop was leaking. Replaced it on October 3 with a meter setter and replaced ½" poly with ¾" municipal from the saddle to the meter setter.

Training information was given to the operator to pass on to the trainee. Trainee must consider obtaining his Small Water Operators certificate in order to continue as the back-up operator.

Safety Report:

No concerns were raised. Personal safety equipment is being worn on worksites.

Secretary's Report:

September 8, 2015 Minutes – Chair asked for errors or omissions to the September 8 minutes as distributed. There being none, it was moved to accept the minutes as distributed, seconded, all were in favour; carried.

Correspondence:

- **Notice of Power Outage** – Sunday, October 18 from 9:00 am to 5:00 pm.
- Powell River Regional District meeting with Peter Fassbender, Minister of Community, Sport and Cultural Development discussing fair access to infrastructure monies – results filed with Smart Team initiative.

Old Business & Follow-up From Previous Meetings:

Texada Water Works Update – on track for October 17. Most of the presenters are confirmed. Still looking for a garden presenter. Lunch is lined up, Lafarge as graciously agreed to cover the cost of the lunch. One more meeting prior to the workshop to wrap up plans.

Draft Water Conservation Bylaw reviewed – the schedule of stages has been revised, simplified. It will be presented at the workshop the way it is currently written.

Chlorine Costs – Rona has submitted a quote on chlorine costs, Valley does not sell chlorine. Emails are out to both Corix and Clear Tech.

Culvert Dive – as reported under Water. Roger Gillen sent pictures. A binder has been started.

Meeting with Lafarge Rep Darren Brown – Update on the consultant's report. Notes from the meeting were distributed. To date Darren has approved the notes as taken. David would like a copy sent to him.

New Business:

Water Tolls Budget – the trustees have confirmed to keep the water tolls as per 2015 rates. Because rates have not changed, no bylaw needs to be submitted to the Ministry.

Parcel Taxes Budget - Bylaw #138 was given first, second and third readings. It was moved to accept the bylaw as read, seconded, all were in favour; carried.

Finance Report:

- **Financial spreadsheets** – were distributed by email. There were no questions with regards to the financial spreadsheets.

- **Invoices** already paid were perused. Cheques for invoices to be paid were signed.

Meeting Adjourned: 9:30pm

**Next Regular Meeting:
MONDAY, November 2, 2015**

Minutes Approved:

Bob Timms, Chair

Heidi Gable, Administrator