



PIID Water Trustee's Report

October 2018

The water team continues to be busy. We are now conducting weekly tests on our water system to facilitate the training of our new operators Ming Huey Chang and Katie Steenman. Training has gone well and our new operators are working towards gaining the experience necessary to qualify them to write their Water Operators certification exam. I always want to recognize the water operators who regularly test and inspect our system and sample our water to ensure continued quality. My continued thanks to Velvet Warrior, Philippa White, Mary Jordan, Lloyd Phillips, Maureen Crooks and Cam Russell.

Water Quality

Currently our water quality is excellent. Chlorine levels are acceptable, and no coliforms are present.

To see Piers Island Water Sampling Results and Annual Reports go the Piers Island website: www.piersisland.ca, choose the **PIID** tab, and click on **Water**

Maintenance Activities

- Annual maintenance of chlorine distribution system
- Preparation for the placing of back flow preventers

Chlorine Distribution System

The annual maintenance of our chlorine distribution system went well but this work horse system that has served us well for a number of years has proven difficult to calibrate after the recent maintenance. We suspect that the 'probe' which is the heart of the system is failing. We have purchased a new probe and are currently making plans to replace it. This has not affected water quality but rather limited our normally fine control over chlorine additions to tank stored water.

Select Committee

I previously reported that the select committee is seeking the services of an engineering firm to assist with developing detailed specifications and budget for our new water tank. We are awaiting a draft RFP document that we will customize and circulate to potential candidates. I hope I can report by our next meeting that a consultant has been chosen and requirements are forthcoming. As a reminder, listed below are some of the questions we need answered by experts in order to proceed:

- Security (do we need to fence the tank?)
- Do we need two tanks?
- What type of tank is best for our application?
- Should increasing water pressure be a consideration for tank design?
- How large should the tank be to consider future needs?
- Do we need to modernize/update our chlorination system?
- Do we want to keep the old tank for firefighting water after the new tank is installed?

It is now becoming more urgent to define our requirements and develop an order of magnitude price. The budget for this project may influence our PIID budgeting process and decisions for the next three or four years.

Upcoming projects

- Place fifteen backflow preventers and owners' shut-off valves as part of a long-term project to renew all shut-off valves and install backflow preventers. We had a very successful 'excavation party' and now have all the holes dug for the installation of new valve boxes, shut-offs and back flow preventers. My thanks to Bryce Young, Scott Denoon, Cam Russell, Colin Robertson, Conrad Vanderkamp, Lloyd Phillips and Jacquie Troger for their kind assistance, with a special thank you to Jacquie for providing tea and goodies for the work crew.
- Review and edit of existing water system documentation such as our Water Bylaw and Emergency Procedures.

Last thoughts

We are always busy, and we can always use help. If you are only here for a few days during the year let me know and I will find you a job compatible with your schedule.

Do **you** have some spare hours? *Give me a call!*
Charlie at 250.213.1459

Submitted by Charlie Troger
PIID Water Trustee