



FLETCHER CREEK IMPROVEMENT DISTRICT

RR 2, Site 3, Comp 38
Kaslo, BC V0G 1M0

Website: www.fletchercreekwater.com
Email: fletchercreekwater@gmail.com

Newsletter August 2017

CURRENT LIST OF TRUSTEES

| | |
|---------------------------|----------------|
| Laurie Hartland, Co-Chair | (250) 353-2966 |
| Lance McLaren, Co-Chair | (250) 353-2963 |
| Tina McLaren | (250) 353-2963 |
| David Sheppard | (250) 353-2197 |
| One position vacant | |

MAINTENANCE

| | |
|---------------|----------------|
| Brad Hartland | (250) 353-2966 |
| Alan Davidson | (250) 777-1604 |

SECRETARY TREASURER

| | |
|------------|----------------|
| Dan Knight | (250) 509-4215 |
|------------|----------------|

Boil Water Notice

Please be advised that the FCID continues to be under a **BOIL WATER NOTICE**. All water used for human consumption should be brought to a full rolling boil for at least one minute and should be used for drinking, food preparation, cleaning of food, brushing teeth, making baby formula, etc. Home owners are requested to notify all tenants and guests.

Water treatment update

Last year FCID submitted a Point-of-Entry (POE) construction permit application which forced Interior Health to detail FCID's water treatment requirements in a written response. FCID and other water suppliers have been getting mixed messages from Health Authorities, with some small water systems being approved for POE without chlorination, or for POE with homeowner maintenance.

However, Interior Health has unequivocally stated that FCID's treated water must include viral disinfection, which usually means chlorination. Implementing this with a POE unit is expensive and impractical so FCID is now looking again at centralized water treatment, as discussed at the AGM.

Fortunately, we have found a vendor who designs both POE and centralized treatment systems for small water suppliers. Their centralized solution is relatively inexpensive because they combine several large POE units together rather than using the higher-capacity and higher-grade components that are typically used in a light municipal centralized system, which can cause water treatment for even small systems to run upward of \$400,000.

FCID is also investigating high dose UV for viral disinfection. This significantly reduces the amount of chlorine used but is more expensive and is still being evaluated by Health Authorities.

Members at the AGM indicated that they would prefer using the lesser amount of chlorine if FCID can get Interior Health to accept this alternative.

Home Plus in Kamloops has provided rough estimates for 58 connections using:

- Centralized with chlorination and storage tanks \$160,000
- Centralized with high dose UV and residual (low-level) chlorination \$185,000
- POE without viral treatment \$170,000
- POE with high dose UV and no chlorination \$385,000
- POE with chlorination and storage tanks \$280,000

As much as \$50,000 must still be added to these numbers to allow for installation. For example, the centralized system estimates do not include site preparation (road, power, foundation, engineering), but do include an insulated and heated shipping container which acts as the treatment building, and an allowance for pumps to increase water pressure. On the other hand, the POE units would likely be put outside next to the house in an insulated shed with remote monitoring sensors, so each of the 58 units will cost an additional \$500 to \$1,000 to install.

As you can see, POE with viral treatment is significantly more expensive than a centralized system, and the basic centralized system is cheaper even than POE without viral treatment.

Home Plus needs FCID's peak water consumption volumes to adequately size the treatment system and provide a final quote. FCID plans to install a flowmeter on the main line near the intake by next spring. Installation is quite complicated as the main line must be excavated and the flowmeter must be powered and sheltered through the winter to get a reading over 12 months, although the summer numbers are most important for Home Plus. The flowmeter itself is about \$5,000 and installation costs are still to be determined.

Water user responsibilities

FCID recommends that all users have a sediment filter installed near the water shutoff valve in their home, and before any appliances or taps. Also, please contact Maintenance if you will be digging near the curb stop on your property, or if you don't know where your curb stop is.

Trustee vacancy

One Trustee position became vacant at the last AGM and there were no nominations, so the FCID Board is running with only 4 Trustees. Trustees usually meet monthly, although that might slow down once the flowmeter is installed and the Board waits for those readings to come in. Trustees must be land owners (or a spouse) in FCID and eligible to vote in BC, which means being a BC resident for at least 6 months.

Please consider joining the Board at the next AGM in April 2018, and you can be part of helping FCID take a significant step forward in water quality delivery.

Maintenance update

Resident members may have noticed that there was no spring water shutdown this year.

The lines were not disinfected in June due to extremely high water levels in Fletcher Creek. After

the level at the intake dropped, persistently hot and dry weather through June and July then made draining the tanks for several hours inadvisable. The lines were flushed in early July to remove some sediment, but this was done without interrupting water service.

A complete disinfection and flush will be done in late September or October. Members will be notified of the water shutoff by email and/or phone the week before. If you have a special event planned on a weekend in September or October that you would like us to avoid, please let us know by September 15.

If being a Trustee doesn't appeal to you, then please consider helping with Maintenance. If FCID implements centralized water treatment then having 3 or 4 Maintenance volunteers will be critical to keeping taxes down, as hiring a professional to drive in for regular monitoring would be prohibitively expensive.

Thank you to Alan Davidson for stepping up to help Brad Hartland with Maintenance, even if he hasn't had a chance to get his feet wet yet... quite literally! Thank you also to Rick Doucette for taking over the turbidity readings, and to Graham Gilbert for his years of doing this before Rick. Home Plus made a point of noting and appreciating the completeness of our turbidity data when preparing their estimates.

New Secretary Treasurer

Please join the Board in welcoming Dan Knight as FCID's new Secretary Treasurer starting in August. The Trustees thank Tammy Horick for her enthusiasm and work over the last two years, and wish her future success.

New members

The Board would also like to take this opportunity to welcome Thomas Gross and Yong Ping Teng, as well as Charity, Ken and Thorad Krupinski as new residents to the Improvement District.

Watering restrictions

Watering restrictions are in place from June 1 to September 30. During this period, please water with fixed sprinklers only every other day after 6 pm and before 9 am. Your tax notice indicates whether your household waters on odd or even days of the month. Email fletchercreekwater@gmail.com if you're not sure what your watering schedule is.

Please remember to check our website occasionally at www.fletchercreekwater.com. You can find Board meeting dates, minutes, and other notices there.

Tammy Horick
Secretary Treasurer, Fletcher Creek Improvement District
On behalf of your FCID Board

If you received this newsletter via Canada Post, it's because we don't have your email address. Please send it to Dan Knight at fletchercreekwater@gmail.com. Email saves FCID the cost of paper, photocopying, postage and Secretary hours, and you'll get the information faster!