

## SSID SIM- August 2018 Operations Report

Hello All,

For those that don't already know me my name is Courtney Robertson and I've been with Savary Shores for approx. 1 year now as Operator. My primary duty as an operator is to ensure a safe and continuous supply of drinking water and to meet permit requirements with Vancouver Coastal Health.

As you may be aware we've recently received a positive result for coliform during routine bacteriological sampling. #1 well showed 8ppm, #2 reservoir (upper tank) showed 2ppm and one sample station at Patricia Cres. showed 1ppm. Vancouver Coastal Health was contacted immediately upon result of samples. The Health Officers concurred such a low count was not dangerous to health but more of a warning that something was amiss. After discussion it was decided a suitable course of action would be a chlorination flush of the upper tank and shock chlorination to well #1 and retest. Well #1 was taken immediately out of commission until it was determined fit for consumption again. We are unsure of how the contamination became possible and are looking into securing well head cap further to prevent any future contamination. Follow up sample results all showed less than one coliform count.

General Operations and Maintenance items carried out in past year:

- Service all fire hydrants in system, with pressure testing and reports
- Repair to cedar way standpipe
- Service all gate valves in system, note seized valves and list for repair
- Incorporate security logs at pump house, generator shed and tank farm
- Complete inventory of maintenance and repair items with restocking
- Repair alternating switch for pumps at pump house. Reconfigure alternating switch to AFTER the time delay from generator
- Remote Operated Vehicle (ROV) inspection of interior of reservoir tanks, with full reports by Seavey's Environmental and Marine Services, their finding was that there is a small amount of minor blistering of paint around active pumping levels, something to keep our eyes on in the coming years. Other than that, the tanks are in pristine condition, keeping our water supply safe.
- Complete chlorination flush of system, due to occur each spring
- Set maintenance program and schedule with Mike Russell of City Motors for duty and standby generators.

Upcoming:

- Repair meter base supports at lots 137 and 213, spring 2018
- Excavate and repair seized and stiff gate valves (7) Fall 2018
- Address and correct fire hydrants (3) that have drainage issues

#### Water Consumption Report 2017:

- 5,792 Cubic Meters pumped to reservoirs
- August 8, we peaked at 78.37 Cubic meters in 24 hours, pumped at a flow rate 36.4 gpm
- Our generator consumed 1,799 litres of diesel fuel.
- Overall in 2017 we experienced 9% reduction in water use with 164 active connections. With no major leaks found. This shows our residents are being conscientious of their water use and all deserve a pat on the back, well done.