

OPERATOR'S REPORT 2022

July 31, 2022

COMPLETED CAPITOL PROJECTS

Hydrant #11 and Hydrant #3 were replaced after being previously identified as being deficient. Proper drainage was added to the sites at the time of installation to ensure proper hydrant drainage after use.

Two new water service lines and meter boxes were installed in the fall of 2021.

OPERATIONS PROJECTS AND PROGRAMS COMPLETED

Hydrant Maintenance Program

All 13 hydrants were serviced to ensure good working order in the Fall of 2021 and Spring of 2022.

Valve Exercising Program

Valves were exercised one or more times to confirm they were in good working order. Valves needing additional maintenance were documented. All main line and hydrant isolation valves were exercised, except those in the valve chamber by the water tanks. The valve chamber is a below-ground confined space, so we are in the process of first purchasing essential safety equipment before entering the chamber.

Generator Maintenance

Monthly checks were completed to confirm the operating condition of the generators. A full service was completed in the Fall of 2021 by Lund Auto, and a partial service was completed this July. Another full service is scheduled for this Fall. All maintenance is being documented after completion to ensure continuity of service.

Uni-Directional Water Flushing Program

Water flushing of all the water mains throughout the district was completed this Spring to remove any possible turbidity in the system and to ensure good clean drinking water.

Air Valve Chambers

The 3 air valve chambers were inspected in 2021. Manahan Road's air valve chamber lid was re-built this May, as it was showing excessive wear. Servicing of the air valves is scheduled to take place this Fall with the expectation that some parts of the air valves, or the air valves themselves, will need to be replaced.

Water Sampling Program

Water samples have continued to be taken monthly from 8 sample stations located throughout the system. These monthly samples were tested for E-Coli and Total Coliform and all samples met and exceeded the Guidelines for Canadian Drinking Water Quality. Nitrates testing was completed every 3 months and showed no further increase. In October of 2021 and April of 2022, Full Spectrum samples were taken and they also met and exceeded drinking water guidelines.

REACTIVE MAINTENANCE COMPLETED

A water leak in a meter box on Patricia Crescent was repaired this May. Three other minor leaks were reported in meter locations during this reporting period, and all were inspected to see if reactive repairs were needed. None are urgent at this time, but will be monitored.

UPCOMING PROJECTS

Two hydrants are due to be replaced in early 2023 per the ongoing Hydrant Replacement Program. A new water service connection is to be installed this September.

CONSUMPTION REPORT

In 2021, Savary Shores consumed about 18 million imperial gallons, whereas in the previous year 2020, the water consumption was closer to 15 million imperial gallons. Figures represent a 20% increase from 2020 to 2021.

In the first half of this year 2022, water use is down by 31% compared to the first half of 2021, with May being the month of the highest consumption so far this year, at 184,000 imperial gallons.

GENERAL COMMENTS AND OBSERVATIONS

Since employed as Savary Shores Water Operator in the Fall of 2021, I have found that the water system is in reasonably good operating condition. I recommend continuing with the asset renewal program as the system continues to age. I further recommend that all current maintenance programs remain in place. These programs have proven to make systems and assets last longer and age slower. They also help to ensure that water quality stays high.

Kerby Fisher
Water Operator - Savary Shores Improvement District
EOCP certified Water and Wastewater Operator