

2025 Operator's Report

This report is for projects between last year's AGM and today.

- In fall 2024, the operator replaced all three old Air Release Valves with new valves and related plumbing. Air bubbles in the drinking water had been reported by residents earlier in the year, so the operator resolved the issue with new valves, as the valves were due for replacement anyway.

Recently, there have been a couple of isolated short-term bubbly-water reports. It is an aesthetic issue, as the bubbles are harmless air. Still, we suggest that anyone with bubbly water advise the administrator, so that we can narrow down where the air is entering the system to address the issue further.

- All 13 hydrants were serviced in fall and spring to ensure good working order.
- After the 2023 Upper Tank inspection revealed that SSID should consider the possibility of not using the upper tank, the operator proposed that the Lower Tank be tested as an option for delivering water to upper system residents. He conducted a water-pressure test in which water from only the Lower Tank was sent to the upper system. The results showed the water pressure to be inadequate, so we would need a method of boosting pressure if used for the upper system.
- A yearly inspection of the water tanks was done by the operator, as per the maintenance plan.
- Isolation valves on the mainlines, on the hydrants, and in the valve chamber at the tank farm, were exercised one or more times to confirm they were in good working order. These valves are used for redirecting water from specific sections of pipe as may be required, particularly in the case of a leak. With the exception of one valve stuck open, the regular valve exercising program has made previously stiff valves fully operable.
- The generators underwent monthly operator's checks, minor maintenance, and were serviced three times during the year by Lund Marine to keep them in good operating condition. Unfortunately, both generators fuel systems have experienced a

number of ongoing issues and failures in the past year. These issues continue to be addressed by Lund Marine, SSID staff and the operator.

- Per last year's report, a new lithium battery was installed in the pumphouse to replace the lead acid batteries. Typically, in the winter, a generator has had to come on periodically to charge the lead acid batteries. Now with the higher capacity lithium battery and the installation of solar panels, the frequency of battery charging and generator run time in the winter months should be significantly reduced.
- Water samples were taken monthly from 8 sample stations, in accordance with the Drinking Water Officer's direction. All months in the past year were clear of E.coli and coliforms.
- Nitrates testing was done quarterly and showed no notable change.
- A full spectrum analysis of other components in the water, was done twice in the past year and as usual exceeded the guidelines for Canadian drinking water quality.
- In June, the engineering inspection company Acuren was hired to inspect the Upper Tank.
- Annual flushing of the water system was completed in the winter, and this past spring. This is done to continue to keep the water system as clean as possible.
- Since contracted as Savary Shores Water Operator in the fall of 2021, I have found the water system to be in reasonably good operating condition for its age. The asset renewal program and continued maintenance of the system should continue to ensure that property owners are provided excellent quality drinking water.

Kerby Fisher, Water Operator
Savary Shores Improvement District