

Trustee Report Water Portfolio – February 6, 2024

Submitted by John de Jong

The delivery of water on Piers to each household is overseen by a number of dedicated volunteers led by Gary Cooney our Water System Manager. Some of the areas covered by this service include ensuring water purity by way of testing, pump house maintenance, repair of curb stops, shut off valves, water meter reading, responding to emergency situations, tank infrastructure, chlorination levels, planning for possible failures in the system, emergency planning in cases where structural damage has occurred, forecasting future needs, coordination with the CRD, Health Departments, and North Saanich District, continual research and record keeping, and overall system analysis.

Gary and I continue to meet, while often in person, the last two months have been via email, text, and phone. On behalf of the Trustees, I want to thank him and all of the water volunteers and outside helpers who volunteer their time and expertise to maintain our water system.

As a result of the team's Chlorination report, a bylaw authorizing the expenditure of funds to bring up the standard of the system was passed at the November 28, 2023, PIID meeting. The upgrades will allow for better and more consistent monitoring of our water quality and logging processes.

It has been my pleasure to work with Gary and the Water Team and I encourage you to read his report that follows.

Respectfully submitted,

John de Jong Trustee

Water System Report – November 28, 2023 - February 6, 2024

Monthly Activities:

- **December:**
 - Placed the order for the Chlorination System with Smith Cameron, expect delivery in January.
 - Curb Stop at 113 replaced.
 - Curb Stops and Tee connector at 137 and 139 replaced. These two properties share a water line from the water main to a tee connection.
 - Water Team meeting held on Dec 11.

- **January:**
 - Chlorination system upgrade delivered. Installation and commissioning are scheduled for February, date to be confirmed. Alex Wigzell of Smith Cameron, senior technician, will be performing this work. The existing operational procedures will be updated.
 - Emergency Response Plan - Version 1 completed, reviewed by team members and Water Trustee. Will now go into an annual update cycle.
 - The water team managed PH1 and PH2 during the freezing temperatures by running and monitoring the bypass valve and heaters.
 - Due to freezing temperatures the air release valve between R41 and R43 blew out, the water running to it was turned off. A new air release valve has been ordered.

- One property had a water leak in their water line due to freezing, water not turned off at their road service connection.

February:

- Due to the Artic cold front the scheduled installation of the chlorination system had to be postponed. A new date is in the process of being set.

Near Term Infrastructure Repairs

- Air release valves at R100 and between R41 and R43 and Flow meter at PH2.

Planning for the Future - Infrastructure:

- Direct Water Line from PH1 to PH2:
 - Look into the advantages of having a direct waterline from PH1 to PH2. Presently water enters PH1, circulates around the island to reach the Water Tank.
 - Review a process to take samples on a quarterly basis from four locations around the watermain. This will determine the chlorine/chloramine interaction and how the chlorine is distributed throughout the system without a direct waterline to PH2. (this will be put in place after the chlorination system upgrades are completed.)

Infrastructure Repair Kits:

- Inventory and replace spare parts as required.
- Spare parts for:
 - curb stops, check valves, air valve repair kit, parts for watermain break, chlorination system, ¾ and 1 inch water lines.