

Annual Report of the Commissioners CY 2019

Annual Water Usage The District wells pumped 126 million gallons of water in 2019, a decrease of 3 million gallons from 2018.

Water Quality Results All monthly coliform and annual VOC/SOC chemical monitoring program sample results for CY 2019 were satisfactory. Look for specific details in our next annual Water Quality Report to be issued to you by July 1, 2020. Past and recent sampling results can be viewed on our website (www.ryewaterdistrict.com) as well as using the (2041010 Public Water System Link) provided under Related Links.

Additional Water Quality Sampling The RYE has continued to sample for PFAS (Perfluoroalkyl and Polyflouroakyl Substances) compounds on a monthly basis. Sampling results remain consistent with previously sample results. All results can be reviewed on the RWD website. In December 2019 the RWD started sampling for PFAS compounds using the new PFAS sampling rules put forth by NHDES in September 2019. These new rules established more restrictive levels for PFAS compounds than those specified in the current EPA health advisory. The results of the most recent (Dec 2019 and Jan 2020) RWD sampling, using the new NHDES protocols, are below the NHDES specified levels for PFAS compounds.

Construction Projects 300 feet of 10" water main was installed at Garland Well with a new hydrant and seven new gate valves. This installation improved water flow from Garland Well and reduced head pressure which will over time will save energy and pump wear. A pad mounted propane generator was installed at the Washington Road booster station in 2019. The generator installation eliminates the use of diesel, a hazardous material, with propane. This improves the electrical compatibility with the future improvements planned for the Washington Road booster pump station. The Rte.1A water main replacement that was scheduled for 2019 was delayed due permits required from NHDES. The permit process is in the closing process and work is scheduled to begin April 2020. A tank mixing system is proposed for Breakfast Hill water tank. This will increase water quality and reduce damaging internal ice formation.

Garland Well Electrical Failures Multiple electrical equipment failures happened during the course of 2019 presenting much difficulty keeping the well in service due to the age of components and availability of parts.

Water System Leak Detection The RWD received another NHDES grant for a leak survey in 2019 which was conducted in May. Two leaks were detected and repaired. Another grant application was submitted to the NHDES for 2020 leak detection program and has been awarded for 2020. Survey is estimated to begin in July.

Water Meter Upgrades One hundred water meters, ranging in sizes from 5/8" thru 2", were replaced. The remainder of the system was converted to a radio reading type in 2019. A fourth

reading cycle was added to the yearly reading system. This has helped monitor water usage more accurately.

Water Main Breaks & Service Line Leaks One water main break occurred in 2019 within the districts distribution system. The break was located on Parsons Road in the creek area. Extra precautions were taken to ensure no contamination was presented to the system as well as two new gate valves were installed for better isolation in the future. The pipe failures were directly linked to external corrosion caused by the salty coastal environment. Four customer service line leaks were discovered and repaired.

System Improvements Three hundred feet of 10" water line with one new hydrant and seven gate valves were installed at Garland Well site. Eleven curb valve assemblies were replaced. Eight fire hydrants and four 8" isolation gate valves were installed. Goss Farm subdivision connection was completed with approximately 150 feet of 8" water main and one hydrant. A new variable pump drive (VFD) system was installed at Washington Road booster Station. This will improve energy consumption, motor wear, and allow for better operational flow control to meet different daily demands.

Operational Activities A new service truck was added to our fleet, equipped with a snowplow and necessary tools this will increase our efficiency with service repairs and daily operations. A new bulkhead was replaced at our office location and a new roof was installed at our Washington Road Booster station. Five hydrants were repaired for either vehicle damage or age associated failure. Upgrades to Our Supervisory Control & Data Acquisition system (SCADA) for better daily reporting and remote system control.

Water Usage and Rate Increase For 2020 a proposed rate increase of 2% will be applied to the current water rates

Hydrogeologic Study In 2018, a study for a new source water location was initiated. Phase 1 was completed at the beginning of 2018 and Phase was completed in 2019. Replacement well project for Cedar Run was started late 2019 and is in the process at this time.

Activities Planned for 2020

Replace 1200 +/- feet of 8" water pipe on Rte.1A south of Harbor Road.

Continue efforts with Cedar Run Well replacement along with our new water source investigation effort.

Complete the generator installation at the Bailey Brook/Cedar Run pump station site.

Begin Garland Road well house renovation.

Replacement of five hydrants and two gate valves based on age and condition.

Install a tank mixing system at Breakfast Hill water tank.

Begin project process for water main replacement from Ocean Blvd. to Odiorne Dr. on Wallis Road.

Triennial Inspection and cleaning of all three of our water storage tanks.

Triennial Lead & Copper sample will be drawn and tested

2020 Tax Rate The projected 2020 tax rate for the proposed budget, including proposed warrant articles, is \$0.54 per \$1,000 valuation.

Change of Staff Arik Jones was selected as new Superintendent at the beginning of 2019, as well as new Assistant Superintendent, Darren Prince. Greg Vaillancourt was hired to fill the operator's position in the late Fall of 2019. Amy Thibodeau replaced Andrea Morrissey as Treasurer in 2019. Thank you, Andrea for all your good work and welcome aboard Amy. Please feel free to introduce yourself to our staff as you see them in the field. Our goal is to establish an open line of communication and friendly working relationship with all of the residents of Rye.

Contact us via Email: Please do not hesitate to e-mail the office anytime day or night with your questions or concerns or view our website at **www.ryewaterdistrict.com**

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