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**R.W.W.D. MEMORANDUM**

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**TO:** RWWD TRUSTEES

**FROM:** JOE MATIAS – OPERATIONS MANAGER

**SUBJECT:** FEBRUARY MONTHLY REPORT

**DATE:** MAR.01/22

**CC:** TRACY WATTIE

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**INTRODUCTION**

This memo provides results of Rayleigh Water Works District operational events that have taken place during this past month, for all disciplines of the RWWD department.

**Water Treatment Plant:**

Exceed Engineering is still in the progress of the SCADA software upgrade and will be continuing the necessary stages towards completion. Annual maintenance is still in progress for train #2 for the water treatment system, as we are still waiting for parts. Drain valves were installed on all the air relief valves in the plant in preparation for preventative maintenance to be conducted. The plant air compressor for the pneumatic air supply to the actuators had the element cartridge filter replaced along with the installation of an isolation valve for future maintenance. The recirculation pump in the high lift clearwell used for the free chlorine residual was replaced and the original pump was sent in for potential warranty. Repaired the tube settler tank transfer pump pneumatic actuator on Train#1. The valve inventory labelling was completed in the water treatment plant for the upcoming valve exercise program. Preparation for upcoming painting in the water plant operations office and bathroom is in progress. The Ultraviolet unit annual maintenance parts have been ordered for the upcoming maintenance. Chemicals for the water plant were ordered in advance due to the supply chain shortages so that we will be able to sustain ample supply coming into the freshet season.

**River Intake:**

We are still waiting for the parts that Kamloops Electric ordered, due to extended material shortages and transportation. RWWD operations has started the removal of some of the corrosion buildup on some of the steel piping in the strainer building.

**Water Distribution:**

Consistent and regular weekly bacteriological testing on the distribution system have been conducted including the recent quarterly THM/HAA/TOC analysis for Condition of Permit requirements. In upcoming 2022 in the early spring, the Raleigh Waterworks Utility Operations will still be starting the valve exercise program. This program is a systematic program to locate and exercise water valves to ensure that they function and operate properly. Every water system has valve devices that regulate, stop, or start the flow of water in the distribution lines. Being able to operate these valves at a moment's notice is extremely important. In an emergency, sections of a distribution system may need to be shut down without delay. However, if a valve is not used over a period of time, it can seize-up from corrosion and get stuck, making the valve inoperable. Typical valve exercising programs can help maintain the useful life and operation of water system valves.

**Septage System:**

Regular preventative maintenance and daily rounds are being conducted 7 days a week, including pump hours and effluent discharge volumes under the wastewater permit.

**BC One Tickets:**

There were 2 BC One tickets for the month of February that the RWWD operations addressed.

Yours truly,

Joe Matias

Operations Manager

Raleigh Water Works District