
R.W.W.D. MEMORANDUM

TO: RWWD TRUSTEES

FROM: JOE MATIAS – OPERATIONS MANAGER

SUBJECT: JANUARY MONTHLY REPORT

DATE: FEB.01/22

CC: TRACY WATTIE

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 has started the SCADA software upgrade in early January and will be continuing the necessary stages towards completion. Annual maintenance has been completed on train #1 for the water treatment process tanks and system. Train #2 is now in the process of having its annual maintenance completed as is expected to be back online by the end of February. On Jan.19/22, we had a VFD communications card failure of train #1 which required the services of T Moore Electrical to troubleshoot and repair. Critical spare and replacement part has been ordered as we had to use one from train #2 for replacement in order to continue operation of the plant production. One of the roof gutter heat traces has failed and will require replacement once ice has thawed away by T Moore Electrical. One of the plants compressor motors had to be replaced due to bearing fatigue. The compromised motor has been sent in for service and will be the critical spare moving forward. The chemical spill containment tank outside of plant was pumped out by Kamloops Septic during cleanout of train#2 tube settler tank. Repairs were made to the eductor PVC line for the UV units due to a leak in the piping.

River Intake:

After the original assessment done by Kamloops Electric Motor for one of the river intake pumps, we are still waiting for the parts that Kamloops Electric ordered, in which will then be followed by installation of new seal kit.

Water Distribution:

Consistent and regular weekly bacteriological testing on the distribution system have been conducted. In upcoming 2022 in the early spring, the Raleigh Waterworks Utility Operations will be starting a 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.

On Jan.04/22, a new curb stop riser and rod was replaced at 4341 Old Yellowhead Highway after a service request for shut off, resulted in finding a compromised accessible curb stop when encroaching the turning back on by RWWD operations. It was replaced with a stainless rod from its original corroded steel riser to improve the life expectancy.

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. On Jan.18/22, an effluent pump at Field #2 was found to be compromised which resulted in the replacement of critical spare.

BC One Tickets:

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

Yours truly,

Joe Matias

Operations Manager

Rayleigh Water Works District