
R.W.W.D. MONTHLY REPORT

TO: RWWD TRUSTEES

FROM: JOE MATIAS – OPERATIONS MANAGER

SUBJECT: SEPTEMBER MONTHLY REPORT

DATE: OCT.06/24

CC: HEIDI HANSEN

INTRODUCTION

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

Water Treatment Plant:

In the month of September, the Water treatment was able to keep up the extensive water demand usually for this time of the year and sustained the Stage 2 water restriction throughout the month that was originally initiated on August 21/2024. On September 9/24 the RWWD operations had experienced a failed in-house Colilert lab test result from the potable water Clearwell. This was communicated to the Utility Manager and to our local Interior health Officer. Under the direction of the IHA and the Utility Manager, a resample was conducted to verify a false positive. The in-house retest and an extra sample were brought to our local accredited lab to conduct a bacteriological analysis which resulted in a pass, to which it verified that it was a compromised or contaminated Colilert test vial. No further actions were required, and all communications were made to the IHA officer. On Sept.12/24, RWWD operations had to drain the Train #1 Tube Settler tank in order to repair the sludge drive limit switch. Train #2 Ultraviolet Unit was disassembled and inspected following several wiper assembly faults. Some parts were required and ordered to initiate the repair. On Sept.19/24 RWWD Operations conducted a tour for the TRU Water Quality Program students and director. On Sept.19/24 TMoore Electrical was called in to the water plant by RWWD operations to troubleshoot and repair a power issue with our cationic tank make down unit which led to replacing the fuses. On Sept.24/24 Sunny Green Environmental Hydrovac services were brought in to remove and haul 17 loads of silt and sand from the backwash sludge tank at the back of the Water Plant. On Sept.27/24 RWWD experienced extremely high raw water turbidity levels of over 550 NTU's from the normal 10-20 NTU's, which resulted in the plant to be shut down for several hours and extreme process optimization challenges which led into the late evening. After 24 hours the North Thompson raw water source began to stabilize eventually leading to normal operations and treatment.

River Intake:

Regular and consistent daily rounds and checks were conducted as per normal operational tasks. North Thompson river levels are still continuously being monitored closely to ensure adequate water supply for the RWWD distribution system. There have been some significant drops in the North Thompson levels which now resulted in lowering the east river pump two pipe lengths on Sept.11/24. The river pump casing was cleaned of silt and sand debris and the river pump was swapped out with a rebuild in order to conduct the required O&M maintenance.

Water Distribution:

Consistent and regular weekly bacteriological testing and the semi-annual raw water routine chemical analysis sampling had been completed on the distribution system to meet the Conditions of Permit for our system. Also, continuous monthly reporting to the Interior Health Authority has been submitted to sustain consistent compliancy. All regular water meter readings were taken for all commercial buildings and residential buildings with over one inch water services for monitoring purposes. There were two water service shut off events in the month of September which resulted with one repair on the resident's side of the service and the other being a service/water meter relocate. The following civic addresses were associated with the repairs for 4672 Spurraway Road, 4120 Devick Road.

Septage System:

Regular preventative maintenance and daily rounds are being conducted 7 days a week. The water treatment plant septic tank was pumped out on Sept 03/24 as per monthly requirements. Septic field #7 was changed to field #8 on Sept.09/24. We are still in the process of scheduling the installation of the remaining 5 flow meters to all applicable septic fields.

BC One Tickets:

There were 7 BC One tickets for the month of September in which the RWWD operations provided locations of our buried utility infrastructure. These maps and locations were provided for the purpose of residential repairs, and construction.

Yours truly,

Joe Matias

Operations Manager

Rayleigh Water Works District