
R.W.W.D. MEMORANDUM

TO: RWWD TRUSTEES

FROM: JOE MATIAS – OPERATIONS MANAGER

SUBJECT: FEBRUARY MONTHLY REPORT

DATE: MAR.04/24

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 February, TMoore electrical installed the new MCC panel and VFD's on train #1 and is awaiting the completion of programming by Exceed Engineering. Due to the complexity and challenges of the Siemens PLC software, it is expected to be complete in the first week of March.. In the meantime, RWWD operations put Train #2 annual maintenance on hold until this programming has been completed and tested. RWWD operations have switched our coagulant chemical ACH to a new product called AluPac to improve the settling of sludge in our Tube Settler tanks due to colder ambient temperatures and to optimize the coagulation process of water treatment. Both Ultraviolet sensors were calibrated by operations as per annual preventative maintenance. UV unit #2 required the replacement of both drivenuts due to the wiper assembly revolution faults. High lift pump #2 VFD cooling fan had to be replaced and was completed by TMoore Electrical. Southwest Corrosion Control Ltd. Completed the initial site visit and prepared the design concepts for corrosion control on our WTP tanks, as per Conditional Assessment recommendations.

River Intake:

Regular and consistent daily rounds and checks were conducted as per normal operational tasks. Critical North Thompson river levels are continuously monitored closely to ensure adequate water supply for the RWWD distribution system. TMoore Electrical replaced the summer intake VFD to its original position which was utilized for Train #1 of the WTP from June 2023 equipment failure. The inlet and outlet iron ductile pipe on the strainer unit were sand blasted due to the corrosion and put back into place in the month of February.

Water Distribution:

Consistent and regular weekly bacteriological testing and the quarterly THM/HAA sampling have 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. There was no water service shut offs in the month of February.

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 Feb.21/24 as per monthly requirements. Septic field #10 was switched over to Septic field #12 due to indication of surfacing. Letters were sent out to some of the residents on Strawberry lane due to the excessive septage flows entering septic field #6 manhole that had over double of incoming volume than normal causing excessive hours of operation of lift station pumps and loading to the septic field. RWWD operations will continue to monitor and follow up on effluent volumes and conditions.

BC One Tickets:

There were 8 BC One tickets for the month of February in which the RWWD operations provided locations of our buried utility infrastructure.

Yours truly,

Joe Matias

Operations Manager

Rayleigh Water Works District