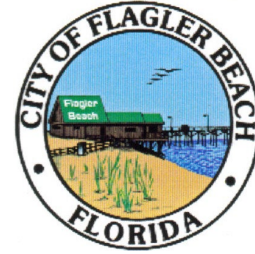




City of Flagler Beach

Water Treatment Plant



To: Dale Martin, City Manager

From: Jim Ramer, Water Plant Superintendent

Subject: Monthly Report for September 2024

October 1, 2024

In September, we produced 16,808,000 gallons of drinking water. Average 542,194 gallons. This amount was 1,806,000 gallons less than the amount we treated in August. The rainfall for September was 17.33 inches. We used 16,200 Gallons at the plant and used 11,200 Gallons for irrigation. The fire department used 15,000 gallons. Flushed the North End of town due to low chlorine residual. We used 830,500 gallons. We flushed Lakeshore Dr. due to low chlorine residual. We used 6,784 gallons.

We have routine duties that we perform every day on each of our shifts. We collect samples every hour to make sure we keep the chemistry of the drinking water within the parameters for Florida Department of Environmental Protection Agency. We regularly perform over 200 tests on the City water and raw water daily between the three shifts. We do routine plant maintenance. We mow the plant grounds. We collect monthly samples from all 6 Wells for statics and drawdowns. We collect quarterly samples from all 6 Wells for St. Johns River Water Management. We keep daily records for our monthly reports that are required to be turned in to the Florida Department of Environmental Protection Agency. We also do quarterly reports for Florida Department of Environmental Protection Agency on disinfection byproducts. We have the midnight shift flush the trains with high pH permeate water. We do yearly TTHM and HAA5 tests. We clean both de-gasifiers every two weeks.

DEP requires us to take five bacteriological samples from the distribution system monthly, according to our population. All samples passed on September 8th.

I have Santiago performing weekly vehicle checks. He checks all the fluids such as Brake fluid, windshield wiper fluid, transmission fluid, and all the lights.

We collected our monthly Bacteriological tests.

We submitted our monthly report to the Florida Department of Environmental Protection Agency.

Gospel Gardens is working on plant landscaping.

We collected our monthly Well samples, drawdowns, and statics. While collecting our monthly Well samples. We collected our monthly Well, Samples, Statics and Drawdowns. We collecting our monthly meter readings.

Staff has been cleaning pre-filters all week. We determine the clay is coming from the Enclave project. The staff changed the prefilters on all four trains. We are constantly cleaning the filters because of a clay like substance is clogging them.

Staff cleaned both Degasifiers throughout the month.

We had a meeting with the Enclave contractors, after having a meeting on-site they still hit our Raw Water Main in the Wellfield on Monday the 9th of September. We had to flush the raw water main at the plant using **158,000** gallons. Plant staff ended up having to flush the plant clearwell on the ground using **245,639** due to high chlorine residual. I think our Raw Water is back to normal and hopefully no more cleaning pre-filter for a while.

Staff cleaned Mildew off the south side fence and raw water line on plant grounds. Staff cleaned bollards and pipes on chemical tanks.

Staff sprayed weeds on plant grounds.

The department cleaned up debris after the storm.

We lost Well 12R to FPL power problem on there side. FPL was notified of the problem.