



St. Vrain Water Authority Monthly Activity Report June 2024

Daily Operations include completing site walk-through, recording daily flow totals and chemical levels, and recording daily process control data. Completion of plant start-up and visual inspection of plant equipment. Collect and analyze daily lab samples. Completion of end of day shutdown and lock up.

6/3/24: Completed daily operations. Completed chlorine CIP on UF #2.

6/4/24: Completed daily operations. Ideal Fencing onsite to troubleshoot and fix the automatic entrance gate.

6/5/24: Completed daily operations. Installed ceramic weights on chemical pump suction tubes so they stay below the chemical level in the barrels. Completed an Acid Maintenance Wash on UF #1.

6/6/24: Completed daily operations. Completed a Chlorine Maintenance Wash on UF #1. Cleaned and flushed the Feed Water Turbidimeter.

6/7/24: Completed daily operations. Picked up plant supplies from the REC office. Posted the Consumer Confidence Report (CCR) on the water plant door. Performed an Acid Maintenance Wash on UF #2.

6/10/24: Completed daily operations. Completed a chlorine maintenance wash on UF #2

6/11/24: Completed daily operations.

6/12/24: Completed daily operations. Completed an Acid Maintenance Wash on UF #1.

6/13/24: Completed daily operations. Completed a Chlorine Maintenance Wash on UF #1

6/14/24: Completed daily operations. Performed an Acid Maintenance Wash on UF #2.

6/17/24: Completed daily operations. Firestone Public Works, Amplified Wireless Solutions (AWS), Frontier Fire, and Colorado Civil Group onsite to go over fire alarm system radio antenna extender placement. Completed a Chlorine Maintenance Wash on UF #2. Picked up supplies for cleaning the plant floors and chemical room from Home Depot.

6/18/23: Completed daily operations.

6/19/24: Completed daily operations. Completed an Acid Maintenance Wash on UF #1. Replaced empty 93% sulfuric acid tote.

6/20/24: Completed daily operations. Completed a Chlorine Maintenance Wash on UF #1. Flushed and cleaned Feed Water Turbidimeter.

6/21/24: Completed daily operations. Completed a Maintenance Wash on UF #1. Troubleshooting the sump pump in the Injection Well Pump Building, unable to identify any issues with the piping and determined there was an issue with the pump. Notified the District of the issue.

6/24/24: Completed daily operations. Completed a Chlorine Maintenance Wash on UF #2. Flushed and cleaned the Combined Filter Effluent Turbidimeter.

6/25/24: Completed daily operations.

6/26/24: Completed daily operations. Completed an Acid Maintenance Wash on UF #1.

6/27/24: Completed daily operations. Completed a Chlorine Maintenance Wash on UF #1. Frontier Fire onsite to do annual checks and certification on fire suppression system, fire alarm system, fire extinguishers, and backflow devices.

6/28/24: Completed daily operations. Colorado Civil Group onsite checking on the facility and giving a tour to their summer intern. Orkin onsite to check and fill pest bait stations. Completed an Acid Maintenance Wash on UF #2.

St. Vrain Water Authority Summary

Monthly Water Totals	June 2024	June 2023
Raw (MG)	1.743	1.679
Filtrate (MG)	1.520	1.560
Finished (MG)	1.278	1.385
Concentrate (MG)	0.187	0.173
Finished Water Quality		
Average Entry Point Free Chlorine Residual (mg/L)	1.16	1.54
Average Entry Point pH (SU)	7.46	7.68
Average Entry Point Conductivity (μ S/m)	409	335
Average Entry Point Fluoride (mg/L)	0.63	0.63
Average Entry Point Alkalinity (mg/L)	247	173

