



St. Vrain Water Authority Monthly Activity Report May 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 during operation. Collect and analyze daily lab samples. Completion of end of day shutdown and lock up.

5/1/24: Completed daily operations. Performed an acid maintenance wash on UF #1. Performed an acid and chlorine maintenance wash on UF #2. Sun Valley Electric onsite to work on finishing various electrical projects around the facility. Purchased a sample refrigerator for the lab and chemical spill buckets from Home Depot.

5/2/24: Completed daily operations. Performed a chlorine maintenance wash on UF #1. Sun Valley Electric onsite to work on finishing various electrical projects around the facility.

5/03/24: Completed daily operations. Ordered chemicals and cleaning supplies. General cleaning and organizing of the facility.

5/6/24: Completed daily operations.

5/7/24: Completed daily operations.

5/8/24: Completed daily operations. Performed an acid maintenance wash on UF #1 and UF #2. Performed a Chlorine maintenance wash on UF #2. Picked up acid neutralizer granular powder buckets from the REC office.

5/9/24: Completed daily operations. Performed an acid maintenance wash on UF #1 and UF #2. Performed a chlorine maintenance wash on UF #2. Picked up USA Bluebook orders from the REC office.

5/10/24: Completed daily operations. Performed an acid and chlorine maintenance wash on UF #1.

5/13/24: Completed daily operations. Cleaned and flushed all facility turbidimeters to ensure accurate readings.

5/14/24: Completed daily operations. Ideal Fencing onsite to perform training on troubleshooting, operating, and maintenance of the facility gates. Purchased chain lubricant for the gate chains from Home Depot.

5/15/24: Completed daily operations. Performed acid maintenance wash on UF #1 and UF #2. Performed a chlorine maintenance wash on UF #2. Picked up USA Bluebook orders from the REC office.

5/16/23: Completed daily operations. Performed a Chlorine maintenance wash on UF #1. Consolidated the sulfuric acid totes and prepared the empty tote for pickup.

5/17/24: Completed daily operations.

5/20/24: Completed daily operations.

5/21/24: Completed daily operations.

5/22/24: Completed daily operations. Performed an acid maintenance wash on UF #1. Black Label Services onsite to remove Deep Well Injection Train #2 meter for certification.

5/23/24: Completed daily operations.

5/24/24: Completed daily operations.

5/28/24: Completed daily operations. Automation Electronics onsite to perform an upgrade of the software on the deep well injection system. Treatment Tech onsite to deliver a tote of 93% sulfuric acid.

5/29/24: Completed daily operations. Performed an acid CIP on UF #1.

5/30/24: Completed daily operations. Performed a chlorine CIP on UF #1. Hach onsite to perform maintenance along with verifying calibrations on the turbidimeters and CL-17 analyzer.

5/31/24: Completed daily operations. Performed an acid CIP on UF #2. City of Firestone onsite performing landscape clean up. Tried to troubleshoot issues with the West gate but were unsuccessful. Ideal Fencing to come out for repairs.

St. Vrain Water Authority Summary

Monthly Water Totals	May 2024	April 2024
Raw (MG)	1.756	1.434
Filtrate (MG)	1.544	1.365
Finished (MG)	1.304	1.023
Concentrate (MG)	0.190	0.153
Finished Water Quality		
Average Entry Point Free Chlorine Residual (mg/L)	1.25	1.22
Average Entry Point pH (SU)	7.39	7.45
Average Entry Point Conductivity (µS/m)	440	415
Average Entry Point Fluoride (mg/L)	0.68	0.56
Average Entry Point Alkalinity (mg/L)	252	241

