



## **St. Vrain Water Authority Monthly Activity Report September 2023**

**Daily Operations include** recording daily flow totals and chemical levels, record 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.

**9/1/23:** Completed daily operations.

**9/4/23:** Completed daily operations. Cleaned filtrate effluent turbidimeter.

**9/5/23:** Completed daily operations. Attended weekly construction meeting.

**9/6/23:** Completed daily operations. Reviewed chlorine cylinder change procedure, chlorine safety manuals and SCBA training materials.

**9/7/23:** Completed daily operations. Changed out chlorine cylinder. Monitored chlorine system for leaks.

**9/8/23:** Completed daily operations.

**9/11/23:** Completed daily operations. Cleaned filtrate effluent turbidimeter.

**9/12/23:** Completed daily operations. Dave Lindsay and cleaning company onsite for estimate. Attended weekly construction meeting.

**9/13/23:** Completed daily operations. DuPont Water Solutions onsite for plant tour. Plummer Associates, Inc. and guests from Loveland Water Conference onsite, assisted Plummer Associates, Inc. with plant tour.

**9/14/23:** Completed daily operations. Received call from the Town of Firestone concerning constant usage through the domestic water meter. Spoke with Dave Lindsay about an apparent leak in the water service. Met with the Town of Firestone and found a leak on the domestic water meter bypass line. The Town notified Mr. Lindsay and IWS, and the domestic water supply was shut off to the facility.

**9/15/23:** Completed daily operations. The Town of Firestone fixed the leak in water meter vault, and water was restored.

**9/18/23:** Completed daily operations. Cleaned filtrate effluent turbidimeter.

**9/19/23:** Completed daily operations. Attended weekly construction meeting. Flushed domestic water line throughout the plant to remove trapped air. Received trash bin from Waste Connections.

**9/20/23:** Completed daily operations. Met IPT Well Integrity Solutions (IPT) onsite, took samples from the injection well pumphouse, and lead them on tour of plant. AWC onsite collecting monthly samples. Orkin Pest Control onsite to provide a quote for pest control.

**9/21/23:** Completed daily operations.

**9/22/23:** Completed daily operations. The Town of Windsor and other guests onsite for a plant tour with Dave Lindsay. Began general cleaning in the office and around the plant.

**9/25/23:** Completed daily operations. Continued general cleaning.

**9/26/23:** Completed daily operations. Attended weekly construction meeting. Continued general cleaning in bathrooms and cleaned windows. Purchased a vacuum and cleaning supplies from Home Depot.

**9/27/23:** Completed daily operations. Completed miscellaneous detail cleaning of facility. Met with second cleaning company for estimate.

**9/28/23:** Completed daily operations. REC, Inc. personnel and guests onsite for a plant tour.

**9/29/23:** Completed daily operations.

**St. Vrain WTP Monthly Summary**

<b>Monthly Water Totals</b>	<b>June 2023</b>
Raw (MG)	1.8135
Filtrate (MG)	1.7025
Finished (MG)	1.5004
Concentrate (MG)	0.177
<b>Finished Water Quality</b>	
Average Entry Point Free Chlorine Residual (mg/L)	1.84
Average Entry Point pH (SU)	7.64
Average Entry Point Conductivity ( $\mu$ S/m)	337
Average Entry Point Fluoride (mg/L)	0.67
Average Entry Point Alkalinity (mg/L)	174