



## **St. Vrain Water Authority Monthly Activity Report August 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.

**8/1/23:** Completed daily operations. Attended weekly construction progress meeting.

**8/2/23:** Completed daily operations.

**8/3/23:** Completed daily operations. Printed monthly bench sheets.

**8/4/23:** Completed daily operations.

**8/7/23:** Completed daily operations. Cleaned filtrate turbidimeter. Completed general cleaning of Process Room.

**8/8/23:** Completed daily operations. Swept and mopped office and lab. Attended weekly construction progress meeting. Attempted Acid CIP on UF #2. Completed delegation of operator duties, BPCCC plan, and tank inspection plan.

**8/9/23:** Completed daily operations. Calibrated UF CIP pH analyzer. Completed general cleaning of the Stairwell.

**8/10/23:** Completed daily operations. Completed acid CIP on UF#2.

**8/11/23:** Completed daily operations. Collected quarterly synthetic organic carbon and volatile organic carbon samples.

**8/14/23:** Completed daily operations. Cleaned filtrate turbidimeter. IWS and Frontier Fire onsite to resolve nuisance alarms from the Fire System.

**8/15/23:** Completed daily operations. Attended weekly construction meeting.

**8/16/23:** Completed daily operations. Completed general cleaning of the Acid Room and Offices. Met LTWD board and lead them on tour of plant.

**8/17/23:** Completed daily operations.

**8/18/23:** Completed daily operations. Completed Chlorine CIP on UF#2.

**8/21/23:** Completed daily operations. Flushed and cleaned UF#2 turbidimeter and filtrate turbidimeter.

**8/22/23:** Completed daily operations. Attended weekly construction progress meeting. Completed acid maintenance wash on UF#2.

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

**8/24/23:** Completed daily operations.

**8/25/23:** Completed daily operations.

**8/28/23:** Completed daily operations. Picked up sample bottles from Colorado Analytical. Picked up and tested spare keys from REC, Inc. Picked up mouse traps from Ace Hardware. Returned spare keys to REC, Inc. and picked up CL17 analyzer reagents. Set out mouse traps and mouse repellent.

**8/29/23:** Completed daily operations. Attended weekly construction progress meeting. Met Firestone operator to collect chlorite samples. Delivered chlorite samples to Colorado Analytical.

**8/30/23:** Completed daily operations.

**8/31/23:** Completed daily operations.

**St. Vrain WTP Monthly Summary**

<b>Monthly Water Totals</b>	<b>August 2023</b>
Raw (MG)	1.7365
Filtrate (MG)	1.6285
Finished (MG)	1.4351
Concentrate (MG)	0.1689
<b>Finished Water Quality</b>	
Average Entry Point Free Chlorine Residual (mg/L)	1.86
Average Entry Point pH (SU)	7.66
Average Entry Point Conductivity (µS/m)	328
Average Entry Point Fluoride (mg/L)	0.62
Average Entry Point Alkalinity (mg/L)	167