



St. Vrain Water Authority Monthly Activity Report February 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.

2/1/24: Completed daily operations. Attended calls with Wigen and Hyperion. Added shutdown alarms to RO and adjusted call out alarms for the rest of the plant.

2/2/24: Completed daily operations. Conducted quarterly sampling requirements.

2/5/24: Completed daily operations.

2/6/24: Completed daily operations. Completed Acid CIP for UF2. Requested an order for chemicals and USA Bluebook items.

2/7/24: Completed daily operations. IPT onsite working on deep well injection programming.

2/8/24: Completed daily operations.

2/9/24: Completed daily operations.

2/12/24: Completed daily operations.

2/13/24: Completed daily operations. Trane onsite troubleshooting the unit heaters throughout the process room.

2/14/24: Completed daily operations. REC ESD onsite repairing pH and conductivity probe. Conducted facility training with additional REC, Inc. personnel.

2/15/24: Completed daily operations. Completed chlorine maintenance wash on UF2.

2/16/23: Completed daily operations. Received SBS delivery.

2/19/24: Completed daily operations. Conducted facility training with additional REC, Inc. personnel.

2/20/24: Completed daily operations. Conducted facility training with additional REC, Inc. personnel.

2/21/24: Completed daily operations. Conducted facility training with additional REC, Inc. personnel.. Troubleshooting cause by high fluoride sample result. After troubleshooting the fluoride feed system, reviewing fluoride pumping records, and process control fluoride results there is no known cause for the elevated fluoride result. Split samples were collected and sent to multiple laboratories for further troubleshooting. Split samples results from both laboratories were < 1 mg/l and with-in the normal range of operation. At this time, it is suspected the original elevated fluoride result was a laboratory error.

2/22/24: Completed daily operations. Conducted facility training with additional REC, Inc. personnel.

2/23/24: Completed daily operations. IPT working on the deep well injection system. Orkin onsite for pest control services.

2/26/24: Completed daily operations. Conducted facility training with additional REC, Inc. personnel.

2/27/24: Completed daily operations. Exchanged sulfuric tote with a new tote.

2/28/24: Completed daily operations. Conducted facility training with additional REC, Inc. personnel.

2/29/24: Completed daily operations.

St. Vrain WTP Monthly Summary

Monthly Water Totals	February 2024
Raw (MG)	1.345
Filtrate (MG)	1.222
Finished (MG)	1.051
Concentrate (MG)	0.169
Finished Water Quality	
Average Entry Point Free Chlorine Residual (mg/L)	1.34
Average Entry Point pH (SU)	7.58
Average Entry Point Conductivity (μ S/m)	368
Average Entry Point Fluoride (mg/L)	0.72
Average Entry Point Alkalinity (mg/L)	178