



St. Vrain Water Authority Monthly Activity Report December 2023

Daily Operations include 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.

12/1/23: Routine site visit.

12/4/23: Routine site visit. Prepping for Sanitary Survey. Compiling paperwork and preparing the site for inspection.

12/5/23: Routine site visit. Prepping for Sanitary Survey. Completing punch list items including removing the cable from the Clearwell Crane that is obstructing the hatch, cutting off recirculation piping at the floor drain to create an air gap, and completing document requests from CDPHE.

12/6/23: Routine site visit. Sanitary Survey preparation including the labeling of equipment and the calibration of analyzers.

12/7/23: Routine site visit. Camera installation company onsite to complete the security camera installation. Finishing labeling on the basins and analyzers.

12/8/23: Routine site visit. Working on EPA report for Dave Lindsay. Provided facility access for the cleaning company.

12/11/23: Routine site visit. Filling interstage basin. Labeled lockers with codes. Continuing work on EPA report. Notified Dave Lindsay about erosion issues onsite.

12/12/23: Routine site visit. Completed general cleaning, including sweeping the plant floors.

12/13/23: Routine site visit.

12/14/23: Routine site visit. Attended Sanitary Survey with CDPHE and REC, Inc personnel.

12/15/23: Routine site visit.

12/18/23: Routine site visit. Added water to the finished water storage tank to boost chlorine residual. Refilled the interstage and Clearwell Basins.

12/19/23: Routine site visit. Checking and adjusting Clearwell chlorine levels. Provided facility access for the cleaning company.

12/20/23: Routine site visit. Dave Lindsay is onsite hanging a plaque. Reviewed Sanitary Survey findings and integrator needs with Dave Lindsay. Completed brine water sampling for EPA.

12/21/23: Routine site visit. Set the plant to run automatically.

12/22/23: Routine site visit.

12/26/23: Routine site visit. Completed walk-through of the facility to ensure proper operation. Orkin onsite for pest control.

12/27/23: Routine site visit. Completed walk-through of facility to ensure proper operation.

12/28/23: Routine site visit. Hach, IT and IWS onsite. IT onsite to work on cameras. Hach onsite for quarterly service visit. IWS onsite to deliver parts.

12/29/23: Routine site visit. HVAC technicians onsite looking at process area heaters, found nine nonfunctional heaters.

St. Vrain WTP Monthly Summary

Monthly Water Totals	December 2023
Raw (MG)	0.31290
Filtrate (MG)	0.30351
Finished (MG)	0.0010
Concentrate (MG)	0
Finished Water Quality	
Average Entry Point Free Chlorine Residual (mg/L)	1.7
Average Entry Point pH (SU)	7.59
Average Entry Point Conductivity (μ S/m)	396
Average Entry Point Fluoride (mg/L)	0.7
Average Entry Point Alkalinity (mg/L)	169