

6/4: Replaced all delivery system filters – 6/23: Replaced all system filters, analyzed all QC samples – 6/30: Replaced SUNA filter – 7/9: Replaced all system filters – 7/22: Analyzed QC samples - 7/30: Replaced all system filters - 8/6: Installed new UV lamp in carbon analyzer - 8/19: Analyzed all QC samples, replaced the 0.45 um DOC filter, cleaned all delivery system lines





Events: Power outage/circuit-breaker tripped on 5/31-6/4. Water transfer in the second half of July. **Filter Changes:** 6/4, 6/25, 7/21, & 8/18-19. No other notable events except that TOC and DOC have been very close in concentration, and TOC has some small, sharp increases over the last week. Extra samples and standards were run on 8/18, with the analyzer performing accurately. Samples for the Bryte Lab were collected 8/18.



Recently, organic carbon has been more susceptible to spikes following filter changes. This might have to do with the filter changes themselves and increased sediment in the sample body. In conjunction, there have been flow issues causing the IOS and solenoid valves to run continuously. After analysis, some data was labeled as "questionable" while other data was removed entirely. The Dionex was down in late July through early August due to several internal leaks within the system. In mid-August, a computer crash caused the Dionex go offline for a short time. Most of the anion data is reporting near or below the reporting limit. Physical data has been mostly operational during the past several months, with only a brief outage due to a loss of power supply. The second set of graphs are daily averages for Organic Carbon and Anion data.

Jones Daily Averages



Banks Pumping Plant



Significant Events: May 20th, 2020 to August 21st, 2020

- **7/15 Dionex:** Chloride, Sulfate, Bromide, and Nitrate went offline after a column change. The defective column triggered an issue and caused the peaks to be misshaped. Due to the COVID situation, it took longer than usual to get a technician on site. Currently the Dionex is taking samples but not reporting.
- YSI Sonde: Some physical Parameters have gaps in samples due to probe failures, water intrusion, and changes in the Loggernet program that caused certain parameters to go offline.



5/21: QC sample analysis – 7/8: Carbon QC sample analysis, anion analyzer maintenance and troubleshooting – 7/23: QC sample analysis – 8/4: Exchanged sonde, replaced system filters – 8/18: Carbon analyzer troubleshooting, anion analyzer troubleshooting – 8/19: Restarted carbon analyzer





