

October 22, 2018

## **St Mary's Glacier Water and Sanitation District Operations Report**

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### **WTP's**

#### **Well 1**

- Tightened PID loop to get better free chlorine residual data. This worked marginally. The PID controller and the Flow meter do not communicate which would help better control chlorine pump. They can communicate but that would require the manufacture rep to set the flow meter to a compatible frequency.
- The pulse output on the flowmeter is not operational. It is \$1000.00 to replace the pulse output card. At this time we are not requesting to do so as the facility improvements due to GWUDI may cover a new flowmeter.

#### **Well 5**

- The pulse output on the flowmeter is not operational. It is \$1000.00 to replace the pulse output card. At this time we are not requesting to do so.

### **Distribution System**

- PRV #3 was replaced and since then is regulating pressure downstream of the PRV.
- We still need to troubleshoot the regulation of pressure elsewhere in the distribution system as some pressures are exceeding what they need to be in the pipes.
- In September, we produced 56% more water out of the wells than we accounted for via individual household metering. This is down from 76% in May and 66% during the June/July/August period.

### **Collections System**

- We have collected and discharged approximately 50% more water than we have produced from the wells.

### **WWTP**

- Blower #1 air relief valve failed open and is not operational. This component will need to be replaced to operate the blower. We are awaiting a quote for the part.
- Blower #2 had been replaced as it faulted. The replacement was found in the plant and was likely used. It fails overnight every night and has to be reset in the morning. The motor possibly needs to be replaced. Doing more investigations on

the motor to find probable causes. This is causing treatment problems at the wastewater plant due to lack of aeration.

- We would like to purchase a new hot water heater for the plant. These run about \$500.