



**DATE:** July 9<sup>th</sup>, 2023  
**TO:** Members of the Board of Directors  
**FROM:** John Gibson, Chief Plant Operator  
**SUBJECT: OPERATION REPORT: July, 2023**

### **Regulatory Compliance**

- CIWQS: Submitted 2<sup>nd</sup> Quarter Electronic Self-Monitoring Report.

### **Sampling and Monitoring**

- Carried out the necessary sampling and analysis on a daily, weekly, and monthly basis, as stipulated by the NPDES permit.

### **Operations Report: Operations, Process Control, and Preventative Maintenance**

The following activities were carried out as part of our ongoing efforts to ensure efficient operations, maintain process control, and implement preventative maintenance measures:

#### **1. Lift Station #1:**

- Replaced a malfunctioning compressor within the wet well bubbler system. Conducted an inspection for air leaks and completed essential fixes. Isolated the compressor onto its own dedicated circuit breaker.
- The primary facility breaker was swapped out. When conducting regular backup generator tests, there was trouble with re-engaging the breaker, requiring multiple attempts.

#### **2. Effluent Pump:**

- Carried out a preventive maintenance service on the 75Hp Effluent pump.

#### **3. Plant Alarm “Call Out” System:**

- Substituted a defective multimobile USB device on the primary plant computer. This multimobile device facilitates operator notifications through the phone system in case of alarms.

#### **4. Irrigation System:**

- Made repairs to broken pvc pipes and replaced worn out sprinklers.
- Removed abandoned drip irrigation lines and posts from the field.
- Removed shallow surface monitoring wells that are not in use or required.

#### **5. Flushing and Treatment:**

- Conducted weekly flushing of the SAF rotary gear pump and froth system using a rust inhibitor. This preventive measure aims to prevent pump seizing and minimize the need for callouts.
- Conducted weekly cleaning and flushing of the 1748E turbidity meters and piping.