

**EUSI, LLC Operational Support Services Relating  
To the  
Wastewater Treatment Facility and Collection System  
February 2024**

Mrs. Rainie Torrance,

Please find below a summary of our services provided associated with the operational support services for the wastewater treatment facilities for the month of February 2024.

- The daily average flow for the month of February 2024 was 0.421 MGD.
- Completed the February monthly 2024 monitoring report for the state.
- Conducted in-house process control testing for the SBRs.
- Sent out the weekly and monthly samples as required by the monitoring permits.
- Tested the lift station and plant alarm callouts.
- Administrative coordination with finance and the administrative staff at 3<sup>rd</sup> street is ongoing.
- Inspected facility perimeter fences and percolation ponds.
- Decanted digester to maximize capacity for wasting and limit the demands on the drying beds.
- Cleared drying beds 1, 3, and 5 and placed in the dumpster for future removal/disposal.
- Completed routine monthly inspection of the Kubota tractor, the 4" trash pump, and the jetter.
- Preventive Maintenance Program and preventative maintenance activities are ongoing per operating hours of the various plant components.
- Completed the bar screen service and inspections throughout the month.
- Completed weekly inspection of the emergency generator prior to and during its weekly test runs.
- Ongoing communication with City staff regarding items associated with the overall wastewater system.
- SBR #1 remains out of service and we continue to operate in a single tank mode until the electrical improvements are completed in the motive wet well.
- Operations staff picked up the warranty repaired motive pump and it is on-site as a spare to SBR #2 if needed.
- Staff replaced some of the drying bed valves with butterfly valves and they seem to work well. There are several more valves that will eventually need to be replaced.

**Supplemental Repair Services, Exceptional Event(s) and Other Notable Information:**

- February 8, 2024 on-call City staff was called out for the sewer backing up at the recreational center, City staff ran snake, found cleanouts out front to be full and will run snake through those on the 9<sup>th</sup> during normal working hours. City staff addressed the issue with the lateral on the 9<sup>th</sup> and 12<sup>th</sup> and restored flow for the center. No charge for this activity.
- February 19, 2024 operations staff was called out at ~0710 for control panel alarms for motive pump #2, and blower #2 in fail condition. Plant was in settle upon arrival, the alarm was reset and the system was restored to normal. No charge for this activity.
- February 19, 2024 operations staff was called out for a high water alarm at the River Road lift station. Staff found a faulty start/stop float and replaced the float. (2.0 hours for this call out, no charge for this activity) Staff will look at the other floats during normal operational hours on the 20<sup>th</sup> and replace floats as a preventative maintenance activity.

- February 20, 2024 operations staff removed and replaced the lead and lag floats as a precautionary step to help ensure system reliability. No charge for this activity.
- February 26, 2024 wastewater team troubleshot the K-Street lift station pump #1 not running in auto. During the follow up inspection City staff found some poor wiring connections in the junction box adjacent to the wet well and was able to restore the station to normal operation.
- February 28, 2024 operations staff completed installation of parts for the motive wet well bio-filter and reactivated this unit. The team will keep an eye on its functionality following the repairs. No charge for this activity.

Should you have any questions regarding the monthly activity please feel free to contact me at 602-300-7946.

Sincerely,



Kris Hendricks, EUSI, LLC  
Managing Member

**EUSI, LLC Operational Support Services Relating  
To the  
Wastewater Treatment Facility and Collection System  
March 2024**

Mrs. Rainie Torrance,

Please find below a summary of our services provided associated with the operational support services for the wastewater treatment facilities for the month of March 2024.

- The daily average flow for the month of March 2024 was 0.429 MGD.
- Completed the March monthly 2024 monitoring report for the state.
- Conducted in-house process control testing for the SBRs.
- Sent out the weekly and monthly samples as required by the monitoring permit.
- Tested the lift station and plant alarm callouts.
- Administrative coordination with finance and the administrative staff at 3<sup>rd</sup> street is ongoing.
- Inspected facility perimeter fences and percolation ponds.
- Drained digester to drying beds 4 and 6 to test the 2 new butterfly valves that were installed.
- Staff removed 5 failed drying bed valves in preparation for replacement.
- Completed routine monthly inspection of the Kubota tractor, the 4" trash pump, and the jetter.
- Preventive Maintenance Program is ongoing per operating hours of the various plant components.
- Staff ripped percolation pond #2 in preparation for receiving effluent.
- Staff repaired some failing uni-strut on the deck that had deteriorated over the years.
- Completed the bar screen service and inspections throughout the month.
- Completed weekly inspection of the emergency generator prior to and during its weekly test runs.
- Ongoing communication with City staff regarding items associated with the overall wastewater system.
- SBR #1 remains out of service and we continue to operate in a single tank mode until the electrical improvements are completed in the motive wet well. With the lower flows we will consider remaining in a single tank mode as this has reduced the kW usage and required less maintenance of equipment.
- Staff installed the repurposed air compressor from water site 11 to replace the old shop compressor.
- Staff filled SBR 1 with effluent to protect components from the elements while this basin is out of service.
- Staff reactivated the motive wet well odor control blower following receipt of the new fan shaft.
- Staff installed a new air line in the shop on the retractable reel.
- All wastewater fire extinguishers were serviced and inspected for the year.
- Operations staff replaced the belts on SBR blower #1.

There were no supplemental repair services, exceptional event(s) during the month of March.

Should you have any questions regarding the monthly activity please feel free to contact me at 602-300-7946.

Sincerely,



Kris Hendricks, EUSI, LLC  
Managing Member

**EUSI, LLC Operational Support Services Relating  
To the  
Wastewater Treatment Facility and Collection System  
April 2024**

Mrs. Rainie Torrance,

Please find below a summary of our services provided associated with the operational support services for the wastewater treatment facilities for the month of April 2024.

- The daily average flow for the month of April 2024 was 0.436 MGD.
- Completed the April monthly 2024 monitoring report for the state.
- Conducted in-house process control testing for the SBRs.
- Sent out the weekly, monthly, and 2<sup>nd</sup> quarter samples as required by the monitoring permit.
- Tested the lift station and plant alarm callouts.
- Administrative coordination with finance and the administrative staff at 3<sup>rd</sup> street is ongoing.
- Inspected facility perimeter fences and percolation ponds.
- Decanted digester to maximize capacity for wasting as well as the space in the drying beds.
- Filled roll off container with dried biosolids for removal and disposal at the sanitary landfill.
- Drained digester to drying beds 1, 3, 7, 9, 11, and 21.
- Switched from percolation basin #3 to percolation basin #2 following installation of the new EQ pumps.
- Completed routine monthly inspection of the Kubota tractor, the 4" trash pump, and the jetter.
- Preventive Maintenance Program is ongoing per operating hours of the various plant components.
- Completed the bar screen service and inspections throughout the month.
- Completed weekly inspection of the emergency generator prior to and during its weekly test runs.
- Ongoing communication with City staff regarding items associated with the overall wastewater system.
- SBR #1 remains out of service and we continue to operate in a single tank mode until the electrical improvements are completed in the motive wet well.
- Staff sourced and ordered new electrical enclosures from Green's for the motive pumps.
- Staff completed quarterly service of the filtrate pumps.
- Staff pulled weeds from the drying bed sand channels.
- Two new equalization basin pumps arrived and were installed.
- Staff worked on collecting information for the upcoming auction for salvage equipment, parts, etc.
- Staff picked up the warranty repaired motive pump from Reliable Pump and Motor. We now have both warranty repaired pumps. This pump will be our spare pump in storage and used as may be needed. One pump will be installed once the electrical junction box and conduit are replaced.

Supplemental repair services, exceptional event(s) during the month of April.

- April 21, 2024 Operations staff was called out at 1215 hrs for a control panel alarm for an SBR #2 backflush valve failure. Staff replaced the mac control valve and restored the valve to normal operation. No charge for this work activity.
- April 27, 2024 City on-call staff was called at 1322 hours for a control panel alarm for SBR #2 effluent valve fail to close alarm. Staff coordinated remotely by phone to walk through the issues and manually cycled the valve several times, check the air supply system, and checked the fuse and cycled power to the solenoid control valve. None of these steps changed the valve indication position. The valve was verified to be in the closed position as

it should have been. Staff returned at 1820 hours to check the settle and confirm valve functionality and was communicating remotely by phone to discuss conditions and the path forward. The valve worked automatically as it should have, however the valve indication going to the PLC was showing the valve to be stuck in the open position. Staff will return on the 28<sup>th</sup> to replace the solenoid control valve to see if this will rectify the situation. No charge for this supplemental work activity and support.

- April 28, 2024 City on-call staff and EUSI operations staff were on site to change out the solenoid control valve. The control valve was replaced and this did not correct the issue. This will require additional investigation on the 29<sup>th</sup> during normal business hours. City on-call staff needed to return in the middle of the night for each time the cycle called for a decant to acknowledge and clear the alarm. Calls were at ~0220 hrs, ~0630 when on site for routine weekend check, at ~1512 hrs, and at ~2156 hrs. No charge for this supplemental work activity and support.
- April 29, 2024 on call staff was called at ~0413 hrs for the failed effluent valve as expected. Operations team removed a functional indicator switch from another valve that was currently not being used and installed it on the effluent valve for SBR #2. This corrected the issue. The valve manufacturer has been contacted and we are obtaining quotes for the replacement indicator switches for these valves. The plant is equipped with 6 of these units and we will plan to procure additional switches so we have a spare on the shelf. No charge for this work activity.

Should you have any questions regarding the monthly activity please feel free to contact me at 602-300-7946.

Sincerely,



Kris Hendricks, EUSI, LLC  
Managing Member