



Needles, California Request for Board Action

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: November 3, 2020

Title: EUSI, LLC operational support services relating to the wastewater treatment facility and collection system September 2020

Background: See attached report

Fiscal Impact:

Environmental Impact:

Recommended Action: No action needed - information only

Submitted By:

City Management Review: Rick

Date: 10/27/20

Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>	Tabled: <input type="checkbox"/>	Other: <input type="checkbox"/>
			Agenda Item: <u>5.</u>

**EUSI, LLC Operational Support Services relating
To the
Wastewater Treatment Facility and Collection System
September 2020**

Mr. Rick Daniels,

Please find below a summary of our services provided associated with the operational support services for the wastewater treatment facilities for the month of September 2020.

- The monthly daily average flow for September 2020 was 0.502 MGD.
- Coordinated with the laboratory regarding sample collection and analytical results.
- Completed and submitted the August 2020 monthly monitoring report to the state.
- Conducted in-house process control testing for the SBRs.
- Sent out the weekly and monthly compliance samples as required by the monitoring permit.
- Tested the lift station alarm callouts.
- Administrative coordination with finance and the administrative staff at 3rd street is ongoing.
- Serviced entry gate and inspected facility perimeter fences.
- Filled dumpster from drying bed 24 for offsite removal of sludge for landfill disposal.
- Tested the treatment plant building security system, alarms for high water, and control panel failures.
- Completed monthly service on the 4" trash pump and Kubota tractor.
- Preventive Maintenance Program and preventative maintenance activities are ongoing.
- Completed the bar screen service with inspection.
- Completed weekly inspection of the emergency generator prior to and during its weekly test runs.
- Removed floating debris and plastics from the Bazoobuth, K-street, and Jack Smith Park lift stations.
- Completed quarterly cleaning of the check valves at Bazoobuth lift station.
- Ongoing communication with City staff regarding items associated with the overall wastewater system.
- Coordination with City staff relating to lift station coverage, dig alerts, senior center, animal shelter, and other tasks during the over seeding efforts at the golf course which commenced the second week of September. This will ensure that there is not a gap in these areas.
- Bids were received for the new sewer line cameras and for the River Road and Bazoobuth lift station lining. These will be presented to the Utility Board and Council for approval in October.
- Ongoing work, support, and coordination with City staff relating to the implementation of the 2020 CIP projects.

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

- September 7, 2020 wastewater staff was called out for 2 separate control panel alarms one for SBR blower #1 failure at 1630 hrs and one for a failed influent valve #2 alarm at 1815 hours. Operations staff turned blower #1 off and placed blower #2 in the lead and reset the alarm for the influent valve #2. These issues seemed to have come about as a result of the major power outage back on August 18. There have been several pieces of equipment that have indicated failure or alarmed following this event. We will keep an eye on things and double check things should this continue to be an ongoing problem. (1.0 hr. = \$75.00)
- September 8, 2020 the treatment plant experienced 3 separate power outages during normal working hours. Wastewater staff also removed and replaced the old guide rails and installed new rails for the filtrate pump station (No charge for this activity).
- September 10, 2020 operations staff did a drive by check of the K-street lift station and found a high water alarm, the automatic dialer did not call out for this alarm. Staff found 2 bad start capacitors which were removed and replaced. Later that day at 1800 hrs staff was called by City staff about an alarm at K-street.

Operations responded and found the float wires to be pulled out of the terminal block. These wires were stripped back and re-terminated and the station was placed back into service. (9 actual man hours for this activity, No charge for 5 hours, 4 hrs = \$300.00).

- September 11, 2020 operations staff found high amps on the K-street lift station #1 pump. The pump was pulled and checked for any obstructions, there was no obstruction found. Rainie came to the site to check on the issue and gave direction to hold off on doing anything further and that the matter would be presented to Jonovich (the contractor that installed the station) to address. The electrical side of things will be investigated September 13, 2020. Late afternoon staff returned to check the site and had to readjust the floats for single pump operation as it was cycling on and off with the start/stop float. Further investigation found a failed potential relay that was causing the high amperage issue with the pump.
- September 17, 2020 SBR motive pump #1 failed due to an issue with the auxiliary contactor on the motor starter. The new pump was removed and the old pump was installed until Robinson Electric can confirm the potential issue with the bucket. Wastewater staff also installed new stainless steel lifting chains for motive pumps.
- September 19, 2020 operations staff was called out for a high water alarm at K street lift station. There was a bad lead float relay, the float was temporarily reconnected directly to the control board to allow for operation of the lead pump until replacement parts arrived. (2 hrs = \$150.00).
- September 20, 2020 operations staff was called out at 1600 hrs for a control panel alarm due to motive pump #2 failure. Staff turned the pump off until it can be further evaluated. (1 hr.= \$75.00). It appears this was an intermittent issue as it has been operating properly throughout the balance of the month.
- September 22, 2020 at 1730 hours operations staff was called out for a system wide power outage. The treatment plant and all lift stations were without power. Operations completed start-up and confirming operation of systems by 2100 hours. (2.5 hrs = \$187.50).
- September 29, 2020 Robinson Electric returned for further troubleshooting of the #1 motive pump electrical bucket and confirmed a bad auxiliary contactor. This was wired to use a different auxiliary contact temporarily. They will be ordering new parts so that this can be replaced. The bucket is functioning properly and the new pump will be installed once the new contactor is installed. 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