



Needles, California Request for Board Action

CITY COUNCIL NPUA BOARD OF PUBLIC UTILITIES
 Regular Special

Meeting Date: August 4, 2020

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

Background: See attached report

Fiscal Impact:

Environmental Impact:

Recommended Action: No action needed - information only

Submitted By:

City Management Review: Rick

Date: 7/28/20

Approved: <input type="checkbox"/>	Not Approved: <input type="checkbox"/>	Tabled: <input type="checkbox"/>	Other: <input type="checkbox"/>
			Agenda Item: <u>8.</u>

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

- The monthly daily average flow for June 2020 was 0.284 MGD.
- Coordinated with the laboratory regarding sample collection and analytical results.
- Completed and submitted the March and April 2020 monthly monitoring 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.
- Decanted from the digester to limit the amount that went out to the drying beds.
- Cleared drying beds 10, 16, 22 and placed directly in roll off container for future removal and disposal.
- Drained digester to drying beds 1, 2, 3, 4, 5, 7, 9, 11, 14, 15, 20, and 23.
- Switched from percolation pond #2 to pond #3 to allow for ripping for maintenance and so that it can be ready for use again in the 4th quarter.
- 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.
- Ongoing communication with City staff regarding items associated with the overall wastewater system.
- Did on-line video training for K street lift station. Reviewed emergency operations procedure in the event of pump failure.
- Changed oil on #1 filtrate pump. Pump guide rails are very corroded and will require replacement. The guide rails for the digester sludge pumps require replacement as well. Operations staff will be getting pricing on replacement rails.
- The new motive pump arrived and was installed for utilization to take advantage of the warranty. There is now one good spare in inventory for future use, giving the City 3 fully functional motive mixing pumps.

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

- June 1, 2020 wastewater staff replaced the grit chamber float (0.5 hrs = \$37.50)
- June 5, 2020 wastewater staff reattached the exhaust fan in the blower galley which had vibrated loose from the wall. The fan was returned to normal operation (1.0 hr = \$75.00 No charge for this activity)
- June 11, 2020 wastewater staff replaced the air relief valve drain hose at the Bazoobuth lift station (1.0 hr = \$75.00 No charge for this activity)
- June 14, 2020 city staff on weekend check found the #1 SBR blower to have broken belts. Contact was made to Kris with EUSI to diagnose the issue and restore proper aeration to the SBR. The #2 blower was placed into the lead so that the #1 blower could be evaluated on Monday June 15. (1.0 hr = \$75.00 No charge for this activity)

- June 21, 2020 operations staff was called out for an EQ pump #2 failure at 2100 hours. Adjusted pump set points due to the pump failure to accommodate flows. Pump will be removed on June 22, 2020. (0.5 hrs = \$37.50)
- June 22, 2020 wastewater staff removed failed EQ pump and installed spare pump from the pump in storage. we were able to use one of the pumps for the filtrate in its place until repairs can be made to this pump. There are 2 pumps that require being sent out for inspection and repair. These will be sent out for repair under the new fiscal year budget.

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