



## Needles, California Request for Board Action

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CITY COUNCIL     NPUA     BOARD OF PUBLIC UTILITIES  
 Adjourned Regular     Special

**Meeting Date:** January 19, 2021

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

**Background:** See attached report

**Fiscal Impact:**

**Environmental Impact:**

**Recommended Action:** No action needed - information only

**Submitted By:**

**City Management Review:** Rick

**Date:** 1/14/21

Approved:

Not Approved:

Tabled:

Other:

Agenda Item: 4.

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

- The monthly daily average flow for November 2020 was 0.478 MGD.
- Coordinated with the laboratory regarding sample collection and analytical results.
- Completed the October 2020 monthly 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 alarm callouts.
- Administrative coordination with finance and the administrative staff at 3<sup>rd</sup> 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.
- Drained digester to drying beds 1, 3, 5, 7, 9, 11, 18, 20, and 21.
- Completed monthly service on the 4" trash pump and Kubota tractor.
- Removed sludge from drying beds 1, 3, 7, 9, 11, 15, 18, 20, 21, and 23 which was placed directly into the roll-off for off-site disposal.
- 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.
- Ongoing work, support, and coordination with City staff relating to the implementation of the 2020 CIP projects.
- Coordinate with the lab, wastewater staff, and water boards regarding the quarterly PFAS mandated testing that is required to commence in the 4<sup>th</sup> quarter of 2020. The samples are scheduled to be collected the first week of December 2020.

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

- November 1, 2020 operations staff was called out for high water in the grit chamber at the treatment plant. This is likely due to the sewer line cleaning conducted earlier this week. (1.0 hr = \$75.00)
- November 9, 2020 operations staff replaced the SBR #1 backflush solenoid air control valve (MAC valve) (1 hr = \$75.00, No charge for this activity).
- November 11-13, 2020. On November 11, 2020 wastewater staff began draining SBR #1. Wastewater staff cleaned and prepared components for inspection, recoating, and repairs.
- November 16-19, 2020 operations staff along with City staff worked on removing rust and cleaned metal components. Staff removed and replaced sections of the extension rod for the drain valve, recoated all metal components as well as all fiberglass piping within the SBR. Staff also removed, cleaned, inspected all solids excluding valves on the decanter, 2 of these units required replacement as some retaining pins had fallen out causing their failure for proper operation.

- November 20, 2020 operations staff was called out for a control panel alarm for failed SBR Blower #1 and for SBR #2 motive pump failure. No issues were noted upon arrival at the site as all systems appeared to be operating normally and continue to operate normally (0.5 hrs = 37.50).
- November 23, 2020 Extreme Iron was on site to repair corroded supports for the decanter as well as repair a corroded flange on the effluent discharge piping for the decanter. Operations staff coated the new work that was completed by Extreme Iron and finished preparations of SBR #1 to be placed back into service.

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  
December 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 December 2020.

- The monthly daily average flow for December 2020 was 0.423 MGD.
- Coordinated with the laboratory regarding sample collection and analytical results.
- Completed the November 2020 monthly monitoring report for the state.
- Conducted in-house process control testing for the SBRs.
- Sent out the weekly, monthly, and quarterly PFAS samples as required by the monitoring permit.
- Tested the lift station alarm callouts.
- Administrative coordination with finance and the administrative staff at 3<sup>rd</sup> 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.
- Drained digester to drying beds 9, 12, 13, 15, 16, 19, 21, and 22.
- Completed monthly service on the 4" trash pump and Kubota tractor.
- Removed sludge from drying beds 12, 14, 16, 17, 20, 21, and 22 which was placed directly into the roll-off for off-site disposal.
- 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.
- Ongoing work, support, and coordination with City staff relating to the implementation of the 2020 CIP projects.
- Jonovich Companies completed the rehabilitation of the Bazoobuth and River Road lift stations. Both projects went well, these improvements should benefit the City for many years to come.
- Sent two of the aeration blowers that were in storage out for inspection and possible repairs.

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

- December 2, 2020 at 1830 operations staff was called out for a control panel alarm for influent valve failure alarm. The alarm was reset and the valve was returned to normal operation. (0.5 hrs= 37.50).
- December 4, 2020 operations staff replaced the MAC valve for the SBR #1 backflush valve (0.5 hrs = 37.50)
- December 10, 2020 operations staff removed and replaced faulty stop switch for the west headworks blower/transfer pump. (1.0 = \$75.00)
- December 12, 2020 operations staff was called out for a high-water condition in the grit chamber. Staff responded and addressed the issue, system was returned to normal operation. (0.5 hrs = \$37.50).
- December 15, 2020 operations staff was called out for an effluent pump failure alarm. Alarm was reset and pump was restored to proper operation. (0.5 hrs = \$37.50)
- December 15-23, 2020 operations staff drained, cleaned, and inspected the digester and all internal components. There was significant accumulation of debris and material that had to be removed from the digester. The pump guide rails were corroded, one of which corroded to the point of failure. All four guide rails

were removed and replaced with new rails and some new mounting hardware. There were 11 new diffusers installed as several were no longer functional or had been removed due to failure. One of the power cords failed for one of the sludge pumps rendering it inoperable. This pump was removed and will be sent out for further inspection and possible repairs by a qualified repair facility. A replacement spare pump was installed in it's place. There were several days of work activity associated with this cleaning, inspection and repairs for 2 and 3 men. The hours being billed are attributed to the repairs that were completed in the digester. (10 man hours for all repair activities = \$750.00)

- December 20, 2020 operations staff was called out for a control panel alarm for SBR blower #1 which had a failure alarm. Alarm was reset and the secondary blower was started. Further investigation is needed for the blower. It appears to be an intermittent control communication back to SCADA that is giving this alarm. No charge for this call out.
- December 29, 2020 operations staff removed motive pump #1 and replaced with the spare motive pump as the seal failure and thermal overload cable had a failure. The cable will be spliced and the pump will be placed back into service upon repair. This splice and repair does not affect the warranty of the pump. (2.0 hrs = \$150.00 No Charge for this activity)
- December 31, 2020 operations staff was called out for a sewer overflow at the Riverview Terrace apartments. Staff arrived at the site at 2100 hrs to assess the issue, isolate, and clean-up the affected area. Staff finished clean-up and disinfection of the area at 2300 hrs. Staff will return January 1 to ensure all debris was picked up. (2 hrs = \$150.00)

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