

Thomas Harrington (adpce.ad)

From: Simon Wiley <swiley@eurekaspringsar.gov>
Sent: Tuesday, November 7, 2023 7:16 AM
To: eswwtp; Thomas Harrington (adpce.ad); Richard Healey (adpce.ad); Leslie Allen-Daniel (adpce.ad)
Cc: Zane Lewis; Spencer Briggs
Subject: RE: AR 0021865 Update

Tom,

Just a little more of an update of the progress of the WWTP repairs:

We have purchased cameras for the WWTP and began the installation of them yesterday. This will give our plant operators the ability to monitor the plant remotely if they receive an alert from SCADA.

I have reached out to Tracy Consulting Engineers in Tulsa, Oklahoma and am waiting for the complete plans and specifications for the plant upgrade that was performed in ~2005. He stated he would send what he had to me this week. One of the issues that Mr. Tracy noted right off was the lack of a rock catch. He stated the city took the catch out and that our SBRs are probably full of rocks. This makes sense as the SBR pump was damaged with rocks and the SBR2 pump has what sounds like rocks in it now. In 2016 Terry had Lakeside come out to the plant and perform an inspection of the trash collection system which at the time was damaged by rocks. They recommended at that time that a rock catch be installed as well. Zane at MCE is looking into a plan and list of contractors that can remove the rock debris from the SBRs (if possible). We believe if we do one at a time during the tourist off season, we can get it done.

As Terry stated, the SBR1 pump has a damaged shaft. I have ordered a new replacement pump, but it has a lead time between 6 and 8 weeks. This is with expedited shipping. My hope is that the pump that is pulled is repairable which would give us a spare pump for inventory. MCE did a plant walk through last Friday and is reaching out to vendors with what equipment we have at the plant (as a whole) to see if we can cross reference the equipment to compare prices and whatnot.

I have instructed Terry to order two of the SBR influent valves to make sure we have one on hand for future needs. We have to work to build an inventory of the equipment at the plant for future issues.

If you have any questions, please feel free to contact us.

Simon Wiley, CPM

Director of Public Works

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“Unless someone like you cares a whole awful lot, nothing is going to get better. It’s not.” – **Dr. Seuss**

From: Terry Long <eswwtp@yahoo.com>
Sent: Monday, November 6, 2023 5:52 PM
To: Thomas Harrington <thomas.harrington@adeq.state.ar.us>; Richard Healey (adpce.ad)

<richard.healey@adeq.state.ar.us>; Leslie Allen-Daniel (adpce.ad) <leslie.allen-daniel@adeq.state.ar.us>

Cc: Simon Wiley <swiley@eurekaspringsar.gov>; Zane Lewis <zlewis@mce.us.com>

Subject: AR 0021865 Update

Mr. Harrington,

Following is the update from the Eureka Springs wastewater treatment plant for Monday November 6, 2023.

The effluent continues to look good, being clear and containing only very few solids particles with little to no discoloration.

Concerning the status of the motive pump for SBR#1, unfortunately there has been no progress made. As previously stated when we removed the pump, it was very evident that the shaft was bent. We continue to wait for the complete list of parts that will need to be replaced and the pump rebuilt and have told the shop that we need the quote as soon as possible so we can move forward with this. A purchase order has been issued for the purchase of a new pump, so if we decide to repair the old pump, we will have a spare motive pump.

Concerning the status of the UV disinfection unit, we continue to slowly make progress. We have spoken with a field service technician several times and replaced all the quartz sleeves and UV bulbs, as well as the DCA assembly in one of the UV modules. We have also replaced several of the liquid tight strain relief fittings that hold the quartz sleeves. As a result of several of the wire connectors on the LCA assemblies breaking while replacing the UV bulbs, we have requested and received a quote for replacement LCA assemblies and the order was placed today for five. We continue to follow our new SOP for SSOs at the wastewater treatment plant including notification of residents living downstream from the treatment plant as well as the general public and encouraging people to follow our Facebook page for further updates. We continue to collect and analyze samples taken from eight (8) locations along Leatherwood Creek at a minimum of every three calendar days to monitor the e. coli level in the creek.

We now have an issue with the influent valve to our SBR#1 basin. The influent valve stuck in the "OPEN" position. We were able to manually close the valve, but after checking, it was determined that the drive nut inside the actuator that opens and closes the valve is damaged and requires replacement. A quote for a replacement nut has been requested and SBR#1 taken off line to prevent it from overflowing. The result of taking SBR#1 offline is that all wastewater will be treated in one basin, which is possible, although not the preferred method.

Since my last report we have had no issues with solids being washed out of the plant or discolored discharges.

I hope and trust that I have provided all the information requested and needed. If you require any additional information, please feel free to reach out and I will provide that as quickly as possible. I have made a note to continue to update you with the progress being made and I will submit another report to you on Wednesday November 8, 2023.

Thank you,

Terry Long, Plant Manager
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