

## Richard Healey (adpce.ad)

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**From:** Richard Healey (adpce.ad)  
**Sent:** Wednesday, November 22, 2023 7:40 AM  
**To:** 'Terry Long'  
**Cc:** Simon Wiley; Zane Lewis; Spencer Briggs; Thomas Harrington (adpce.ad); Leslie Allen-Daniel (adpce.ad)  
**Subject:** Eureka Springs E-Coli Sampling Leatherwood Creek NPDES AR0021865 Update - Nov 20, 2023

Terry

After consulting with the Office of Water Quality staff on your latest two E-Coli sample results which are below the water quality standards and your daily reports that one side of the UV system in operational, DEQ agrees that Eureka Springs can stop collecting E-Coli sample in Leatherwood Creek. In addition, progress emails can be reduced to one per week until all the components of Eureka Springs wastewater treatment plant are fixed and the plant is fully operational.

If you have any questions regarding this matter, please do not hesitate to contact Tom Harrington or me.

Thank for your cooperation.

**Richard C. Healey** | Enforcement Branch Manager  
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ENERGY & ENVIRONMENT

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**From:** Terry Long <eswwtp@yahoo.com>  
**Sent:** Monday, November 20, 2023 3:53 PM  
**To:** Thomas Harrington (adpce.ad) <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>; Spencer Briggs <sbriggs@mce.us.com>  
**Subject:** AR 0021865 Update - Nov 20, 2023

Mr. Harrington,

Following is the update from the Eureka Springs wastewater treatment plant for Monday November 20, .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 SBR#1, the actuator on the influent valve has been repaired and we are just waiting to receive a new or rebuilt motive pump so we can put this basin fully back on line. At this time, we are able to automatically add influent to the basin, mix and aerate the mixed liquor with the blower and remove treated effluent through the effluent discharge valve.

Concerning the status of the UV disinfection unit, progress is being made slowly. We have all new bulbs in both of our UV modules, a new DCA assembly in one module and a new LCA assembly in the other module. One module is operational, but we are not getting power to the bulbs in the other module even though we are getting power to the module. We continue to speak with a field service technician after replacing each item to let him know the status and to make recommendations as to what we need to do next. We are still following 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, although on two consecutive sampling days last week the E. coli count in our effluent has been 10 colonies per 100 ml.

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 22, 2023.

Thank you,

Terry Long, Plant Manager  
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