

Thomas Harrington (adpce.ad)

From: Terry Long <eswwtp@yahoo.com>
Sent: Monday, March 25, 2024 9:09 AM
To: Thomas Harrington (adpce.ad); Richard Healey (adpce.ad); Leslie Allen-Daniel (adpce.ad)
Cc: Simon Wiley; Zane Lewis; Spencer Briggs
Subject: AR 00021865 - UPDATE March 22 2024

Mr. Harrington,

Following is the update from the Eureka Springs wastewater treatment plant for Friday March 22, 2024.

The effluent continues to look good, being clear and containing only very few solids particles with little to no discoloration as it should. Sludge wasting rates continue to be evaluated and adjusted to accommodate the decrease in both ambient temperature and the incoming BOD and TSS levels.

Concerning the status of the UV disinfection unit, no progress has been made this week. Both UV modules are still working although the communication between the control panel and one of the UV modules continues to be a problem. We will be in contact with the field service technician to get his advice on 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.

Concerning the overflow event at the main lift station that we experienced on Thursday January 11, 2024, we have received all the seals needed to allow us to open the pump housings and inspect the impellers and seal the pumps back up. We have also received several sets of shims so we can adjust the impellers during inspection. At this time all the pumps in the main lift station are functional and should operate properly when the influent flow is directed back through our Lakeside equipment. We are currently on the service tech to let us know when he can be here.

On Monday February 26, 2024 we had a service technician with Lakeside come inspect our Lakeside equipment. He found several items that required attention. He was able to correct many of those items. We received the final inspection report and reviewed his findings and recommendations. We have received the quote for replacement parts and are currently evaluating which parts to begin with to give us the most benefit,

We are continuing to collect samples from the creek three (3) times per week to monitor the fecal coliform levels in the creek upstream from our discharge, downstream from our discharge and at the point in the creek where our discharge enters the creek. So far, to meet this requirement we have collected and submitted samples on a total of twenty-eight (28) days and have received results from twenty-six- (26) of those days. Of the twenty-six (26) samples that we received results for twenty (20) of those twenty-two results show a test result of less than 100 colonies per 100 ml. We will continue to collect samples and have them analyzed according to the procedures previously set forth until given permission to stop.

During the ZOOM meeting that was recently held with members of ADEQ and the city of Eureka Springs, it was requested that we also start sharing the results of our fecal coliform testing as well as our Total Suspended Solids (TSS) in our weekly updates. Below are the test results for TSS and FECAL (both effluent and when our effluent mixes with the creek).

Parameter	Date	NPDES Test	Test Result
TSS	1/10/2024	YES	2.7 mg/L
TSS	1/14/2024	YES	< 2.5 mg/L
TSS	1/24/2024	YES	< 2.5 mg/L
TSS	2/7/2024	YES	2.5 mg/L
TSS	2/14/2024	YES	2.5 mg/L
TSS	2/21/2024	YES	6.0 mg/L

TSS	3/6/2024	YES	< 2.5 mg/L	
TSS	3/20/2024	YES	Awaiting results	
FECAL	1/11/2024	YES	3.0/ 100 ml	
FECAL	1/18/2024	YES	< 1.0/ 100 ml	
FECAL	1/25/2024	YES	< 2.0/ 100 ml	
FECAL	1/26/2024	NO	65.1/	
100ml				
FECAL	1/29/2024	NO	64.4/ 100ml	
FECAL	1/31/2024	NO	30.0/ 100 ml	
FECAL	2/2/2024	NO	20.0 / 100 ml	
FECAL	2/5/2024	NO	41.0 / 100 ml	
FECAL	2/7/2024	NO	< 10.0 / 100 ml	
FECAL	2.8.2024	YES	1.0/ 100 ml	
FECAL	2/9/2024	NO	< 10.0/ 100 ml	
FECAL	2/12/2024	NO	41.0/ 100 ml	
FECAL	2/14/2024	NO	211.0/ 100 ml	
FECAL	2/15/2024	YES	< 1.0/ 100 ml	
FECAL	2/16/2024	NO	17.3/ 100 ml	
FECAL	2/19/2024	NO	1173.0/ 100 ml	
FECAL	2/21/2024	NO	10/ 100 ml	
FECAL	2/22/2024	YES	<10/ 100 ml	
FECAL	2/23/2023	NO	64.4/ 100 ml	
FECAL	2./26/2024	NO	65.1/ 100 ml	
FECAL	2/28/2024	NO	10/ 100 ml	
FECAL	3/1/2024	NO	10/100 ml	
FECAL	3/4/2024	NO	109/ 100 ml	
FECAL	3/6/2024	NO	10/ 100 ml	
FECAL	3/7/2024	YES	< 2.0/ 100 ml	
FECAL	3/8/2024	NO	1178/ 100 ml	
FECAL	3/11/2024	NO	120/ 100 ml	
FECAL	3 /13/2024	NO	10/ 100 ml	
FECAL	3/15/2024	NO	238/ 100 ml	
FECAL	3/18/2924	NO	20/ 100 ml	
FECAL	3/20/2924	NO	10/ 100 ml	
FECAL	3/21/2024	YES	Awaiting Results	
FECAL	3/22/2024	NO	Awaiting Results	

I trust that I have provided all the information that was 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 Friday March 29, 2024.

Thank you,

Terry Long, Plant Manager
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