



Springdale Water Utilities

526 Oak Avenue P.O. Box 769 Springdale, Arkansas 72765-0769 (479) 751-5751

Mr. Richard Healey

ADEQ

5301 Northshore Dr.

N. Little Rock, AR 72118-5317

October 15, 2020

Dear Mr. Healey:

This letter is a follow-up to the email sent to you on September 9, 2020 regarding a 7-day concentration violation (NH₃-N, limit 2.3 mg/L, value of 2.35 mg/L) for the week of August 30 – September 5, 2020. for Springdale Water Utilities' WWTF (AR0022063).

No additional information can be provided except that the expansion joints on the empty process train are now repaired, making it possible to utilize that train without leaking, and that there have been no subsequent violations of any permit conditions to this date. Springdale Water Utilities will continue to strive for continuous compliance with all permit limitations.

If you have any questions or require additional information, please contact me at 479-756-3657 or jenos@springdalewater.com.

Sincerely yours,

Jennifer E. Enos

Wastewater Facilities Director

JEE/jee

Cc: Heath Ward, Executive Director, file

Jennifer Enos

From: Jennifer Enos
Sent: Wednesday, September 09, 2020 1:06 PM
To: Healey, Richard
Cc: Heath Ward; Brad Stewart
Subject: NPDES Permit No. AR0022063, NH3-N 7 day concentration violation

Dear Mr. Healey:

Per our conversation this morning, please let this serve as notice of an excursion of Springdale Water Utilities' permit limitation for Ammonia as Nitrogen for the week of August 30 – September 5, 2020. The 7 day average concentration for that week was 2.35 mg/L, very slightly above the limit of 2.3 mg/L.

The WWTF has been experiencing higher than normal organic loadings the last couple of months, the source of which has not yet been identified. With only 3 of the 4 process trains in current use, those loadings combined with high water temperatures (over 27 degrees C) have pushed the 3 trains to the limits of their DO capacities. Daily quick tests for ammonia showed elevated levels, but it was believed that the average would be below the limit. That was not the case once approved methods of analysis were employed and results were validated yesterday afternoon.

The 4th process train (Process train # 1) was built in 1986 and is scheduled to have the expansion joints in the aeration basin repaired this month due to seepage. Once those joints are repaired, it is an easy fix to put that train into service to increase oxygenation capability if high loadings continue. Until that time, Springdale Water Utilities will continue to carefully monitor the quick test ammonia results from the process trains and the effluent multiple times per day. If concentrations rise too much once again, some influent flow will be diverted to the equalization basins and brought down for treatment over the weekend to reduce loading when it is at its highest. This should help prevent another violation of this nature from occurring.

This violation will be reported on CDX with SWU's September 2020 DMR. Also included will be a violation letter explaining the circumstances of the violation. In the meantime, if you have any questions or need additional information, please do not hesitate to contact me by email or at 479-756-3657. Thank you for your guidance in this matter.

Sincerely yours,

Jennifer E. Enos
Wastewater Facilities Director
Springdale Water Utilities
PO Box 769
Springdale, AR 72765-0769
jenos@springdalewater.com