



ARKANSAS
Department of Environmental Quality

April 30, 2019

ATTN: Water & Sewer Manager
City of Fayetteville
Paul R. Noland Wastewater Treatment Plant
113 W. Mountain Street
Fayetteville, AR 72701

Re: Reduction in whole effluent toxicity testing frequency for City of Fayetteville – Paul R. Noland Wastewater Treatment Plant
Outfall 001 NPDES Permit No.: AR0020010 AFIN No.: 72-00781

Dear Mr. Richart:

This letter is written in response to your request for a reduction in whole effluent toxicity (WET) testing frequency. A review of test results from the last five years has been completed. These data indicate no lethal or sub-lethal effects for *Ceriodaphnia dubia* (*C. dubia*) at the critical dilution.

The facility reported one failure below the critical dilution of 97% for *Pimephales promelas* (*P. promelas*) lethality in January 2016. The facility ceased discharge during February 2016 and diverted effluent to a storage pond during installation of an ozone disinfection system. The facility passed retests during March, April, and June 2016 and subsequent routine tests through February 2019 for *P. promelas* lethality and sub-lethality.

Effective April 30, 2019 and in accordance with the above noted permit, the Department has determined that toxicity testing shall be performed semi-annually for *P. promelas* and *C. dubia*.

No analysis for *P. promelas* or *C. dubia* is required from April 1, 2019 to June 30, 2019.

Your next analyses for *P. promelas* and *C. dubia* shall be completed between July 1, 2019 and December 31, 2019. However, if new information becomes available which indicates toxicity, additional testing may be required. The frequency and duration of any additional testing will be determined at that time.

Please be advised that any monitoring frequency reductions granted apply only until the expiration date of the permit, at which time the monitoring frequency for both test species reverts to once per quarter until the permit is re-issued [Permit Expiration Date: December 31, 2022].

ADEQ will revise the DMRs in NetDMR to reflect semi-annual WET testing.

If you have any questions, please do not hesitate to call me at (501) 682-0666.

Best regards,



Mary Barnett
Ecologist Coordinator

Ecc: Layne Pemberton, NPDES Enforcement
David Ramsey, ICIS-NPDES