

MAGNOLIA WASTEWATER SYSTEM

P.O. BOX 666

MAGNOLIA, ARKANSAS 71754-066

(870) 234-2955

mwws@sbcglobal.net

March 04, 2021

Danielle Harbin
Enforcement Analyst
Division of Environmental Quality
Office of Water Quality
5301 Northshore Dr.
North Little Rock, Arkansas 72118

RE: Progress report; City of Magnolia-Big Creek WWTP NPDES Permit No. AR0043613,
AFIN 14-00059.

Danielle Harbin,

This Letter will serve as the City of Magnolia-Big Creek WWTP progress report as required by NPDES No. AR0043613.

TRC;

The City of Magnolia-Big Creek WWTP is currently using chlorine gas to reduce pathogens and using Sulfur Dioxide to remove the chlorine from the final effluent to obtain the current permit requirements.

2020	January	February	March	April	May	June	July	August	September	October	November	December
TRC, mg/l	0.04	0.03	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

The City of Magnolia remained in compliance in 2020 with the current permit requirements. We are currently exploring other alternative options of disinfection of our final effluent. We have partnered with Southern Arkansas University in Magnolia in a study for a possible alternative disinfection such as paracetic acid. They have completed their first study and now they are conducting a cost feasibility study for us. With that being said, we have contacted and visited with Chad Cooley P.E.

MAGNOLIA WASTEWATER SYSTEM

P.O. BOX 666

MAGNOLIA, ARKANSAS 71754-066

(870) 234-2955

mwws@sbcglobal.net

with Environmental Technical Sales concerning the PAA equipment needed.

Total Recoverable lead;

The City of Magnolia Wastewater system is still in dialogue with A.L. Franks engineering to determine how we will meet the new permit requirements.

2020	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Lead	0.534 ug/l	30.0 ug/l	164.0ug/l	10.0 ug/l

WET Testing;

The City of Magnolia has met the current permit requirements for WET testing in 2020. We are discussing the permit requirement changes with our current Lab.

2020	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
WET	PASS	PASS	PASS	PASS

MAGNOLIA WASTEWATER SYSTEM

P.O. BOX 666

MAGNOLIA, ARKANSAS 71754-066

(870) 234-2955

mwws@sbcglobal.net

If you have any questions, please feel free in contacting me at 870-234-2955

Thank you,

Russell Thomas, Superintendent
City of Magnolia Big-Creek WWTP
NPDES Permit No. AR0043613
AFIN # 1400059