

**MAGNOLIA WASTEWATER SYSTEM**

**P.O. BOX 666**

**MAGNOLIA, ARKANSAS 71754-066**

**(870) 234-2955**

**[mwws@sbcglobal.net](mailto:mwws@sbcglobal.net)**

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.

<b>2019</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>August</b>	<b>September</b>	<b>October</b>	<b>November</b>	<b>December</b>
<b>TRC, mg/l</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.05</b>	<b>0.02</b>	<b>0.03</b>

The City of Magnolia remained in compliance in 2019 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.

**MAGNOLIA WASTEWATER SYSTEM**

P.O. BOX 666

MAGNOLIA, ARKANSAS 71754-066

(870) 234-2955

[mwws@sbcglobal.net](mailto:mwws@sbcglobal.net)

Total Recoverable lead;

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

<b>2019</b>	<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>4th Quarter</b>
<b>Lead</b>	<b>0.525 ug/l</b>	<b>1.0 ug/l</b>	<b>&lt;220 ug/l</b>	<b>90 ug/l</b>

WET Testing;

The City of Magnolia has met the current permit requirements for WET testing in 2019. We are discussing the permit requirement changes with our current Lab.

<b>2019</b>	<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>4th Quarter</b>
<b>WET</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

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