



**City of
Flippin**
ARKANSAS
"A Place For All Seasons"

April 17th, 2017

Kerri McCabe
Inspector Supervisor, Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

CC: Layne Pemberton

Re: Permit #AR0021717 City of Flippin Inspection Report

Dear Kerri,

In response to the Inspection Report performed on January 5th, 2017, the City has the following update and findings to report.

1). At the time of the inspection, the facility did not have a licensed operator.

I (J. L. Wagoner) completed my Class III Wastewater License at Lonoke in January shortly following the inspection and am now the Operator of Record for the plant.

2). The plant's two secondary clarifiers are undersized for the influent flow that comes into the plant during high rain events (design flow is 0.175 MGD). Solids were washing out of the second clarifier (ran in series) onto the intermittent sand filters. Additionally the plant will not be able to handle additional hookups into the system, which limits the city's ability to economically grow.

Since the inspection we have changed our process control on the clarifiers trying to slow down the settling process to reduce or eliminate the washing out of solids past the clarifier. We have stepped up our maintenance routine on the sand filters as much as possible to try to prevent plugging of the filters to keep the wastewater flowing and treated to the best of our ability. We are advertising this week for Requests for Qualifications for a qualified engineer to work with the City on a long term permanent solution, however we have also began smoke testing the collection system as of April 11th and found several customer issues and one manhole issue that was causing unnecessary groundwater to inflow into our system. Arkansas Rural Water (Susan Poe) will be returning as weather permits to continue smoke testing the collection system, with us making repairs as soon as possible within our means to reduce the amount of flow to the plant during rain events. We have already taken measures to repair what we are allowed to and notify our customers to make necessary repairs to hopefully see a significant decrease in what is already found. We have not given up on the idea of increasing our plant

capacity and increasing the size of our clarifiers, however we will continue to make strives to reduce anything we can coming in to help the process complete properly.

3). Two of the sludge drying beds contained thick vegetation.

We have removed the vegetation and are including photo's of the sludge drying beds that were in question. We will continue to maintain this on a regular basis as to not let them overgrow with vegetation in the future by pulling the vegetation and properly disposing of it.

4). The list of items concerning the contract lab have been taken care of by Arkansas Testing Lab and I am forwarding a email from them that I received on Friday, April 14th on the matter. Hopefully this clears up the matter of those violations. A corrected DMR is also attached from the lab.

Additional Information: At the time of the inspection our Permit Renewal was still pending. We have since submitted a completed application to ADEQ.

If we need to submit more information or you have any questions, please contact me at 870-405-0600 on my cell. Thank you for your consideration.

Sincerely,

 4-17-2017

J. L. Wagoner
City of Flippin
General Manager

FW: Flippin

Susan Poe <arwasusan@att.net>

Mon 4/17/2017 7:04 AM

To:cofmaintenance@hotmail.com <cofmaintenance@hotmail.com>;

📎 1 attachments (324 KB)

Flippin.pdf;

I didn't see where they sent you a copy of this. I will be in touch after while...have a great day. Susan

From: Arkansas Testing Laboratories, Inc [mailto:arkatl@sbcglobal.net]

Sent: Friday, April 14, 2017 9:20 AM

To: arwasusan@att.net

Subject: Flippin

Susan,

In reference to the Flippin inspection report,

Findings #4:

Ammonia samples are iced and preserved with H₂SO₄ upon collection. The samples arrive into the lab with ice still present in the cooler. At this time, we are not recording the temperature. If this is a requirement, we can implement this procedure. Spike recovery and RPD are currently on the analysis report. We did not realize that the actual values of the parameter in question are required. This procedure can be implemented, also.

Findings #6:

The flow was not changed from a previous report resulting in incorrect loading. These reports have been corrected and are attached as a PDF.

Sorry, I didn't get this to you yesterday.

Thank you,

Pam Green

Office Manager

Arkansas Testing Laboratories

3301 Langley Drive

Searcy, AR 72143

arktestinglabs.com

501-268-6431

844-318-7030 fax

Arkansas Testing Laboratories

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(501) 268-6431 f (844) 318-7030

NPDES Wastewater Monitoring
Water and Wastewater Analysis
Concrete, Asphalt, and Aggregate Testing
Geotechnical Testing
Industrial and Construction Quality Control

Flippin

Collection Date: April 8, 2015
Collection Time: 12:30 PM
Collected By: THS

Wastewater Analysis

Collection Place: Final Discharge Point

Parameter	Analysis Begin Date / Time	Analysis End Date / Time	Results	Unit	Loading, <i>p/d/y</i>	Analyst	% Spike	Rel %	Sample Type	Ref #
Flow	04/08 12:30 PM	NA	0.400	MGD	NA	THS	NA	NA	INST	
CBOD	04/09 7:45 AM	04/14 9:00 AM	< 2.0	mg/l	6.7	EET/KLB	91.3	1.82	Grab	1
TSS	04/09 9:00 AM	NA	< 1.0	mg/l	3.3	EET	NA	0.00	Grab	2
Fecal Coliform	04/08 4:00 PM	04/09 4:00 PM	< 5	N/100mls	NA	THS/EET	NA	15.39	Grab	3
Ammonia Nitrogen	04/10 8:00 AM	NA	< 0.1	mg/l	0.33	EET	89.5	0.00	Grab	4

Quality Assurance: All Parameters include 10% duplication studies by random selection. The following equipment is checked and calibrated daily: pH meter, balance, incubators, water baths, drying oven and sterilizing apparatus. Ammonia Nitrogen and Oil & Grease Analysis include duplication and spike studies at a rate of at least 10%.

Notes: Samples iced at collection. Preserved with H₂SO₄ to pH₂; Oil & Grease, Ammonia, COD

References:

Analysis complies with 40 CFR Part 136:

1. SM 5210 B-2001
2. SM 2540 D-1997
3. SM 9222 D-1997
4. SM 4500 NH3-G-1997

CORRECTED COPY


Neville Adams, Manager

Arkansas Testing Laboratories

3301 Langley Drive · Searcy, AR 72143

(501) 268-6431 f (844) 318-7030

NPDES Wastewater Monitoring
Water and Wastewater Analysis
Concrete, Asphalt, and Aggregate Testing
Geotechnical Testing
Industrial and Construction Quality Control

Flippin

Collection Date: July 8, 2015
Collection Time: 12:10 PM
Collected By: THS

Wastewater Analysis

Collection Place: Final Discharge Point

Parameter	Analysis Begin Date / Time	Analysis End Date / Time	Results	Unit	Loading lb/dy	Analyst	% Spike	Rel %	Sample Type	Ref #
Flow	07/08 12:10 PM	NA	0.190	MGD	NA	THS	NA	NA	INST	
CBOD	07/09 8:30 AM	07/14 8:45 AM	< 2.0	mg/l	3.2	KLB/EET	110.8	8.59	Grab	1
TSS	07/09 10:30 AM	NA	6.0	mg/l	9.5	EET	NA	1.46	Grab	2
Fecal Coliform	07/08 4:00 PM	07/09 4:15 PM	< 2	N/100mls	NA	THS/KLB	NA	9.52	Grab	3
Ammonia Nitrogen	07/09 8:55 AM	NA	1.9	mg/l	3.01	EET	95.0	0.00	Grab	4

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Notes: Samples iced at collection. Preserved with H₂SO₄ to pH₂; Oil & Grease, Ammonia, COD

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CORRECTED COPY


Neville Adams, Manager





