

## NON-COMPLIANCE REPORT

Arkansas Department of Environmental Quality  
NPDES Enforcement Section  
5301 Northshore Drive  
North Little Rock, Ar. 72118

RE: NPDES Permit: AR0033880 Discharge Number: 001A

Facility: City of Hot Springs Davidson Wastewater Treatment Plant

Address: 320 Davidson Drive City: Hot Springs State: Ar Zip: 71901

Contact: Harold Mauldin Phone: 1 (501) 262-1125

Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
January 2024	C-BOD <sub>5</sub> Monthly Average	1693 Lbs.		1000 Lbs.
January 2024	C-BOD <sub>5</sub> Monthly Average		11.66 Mg/l	10.00 Mg/l
January 2024	C-BOD <sub>5</sub> 7-Day Average		17.05 Mg/l	15.00 Mg/l
January 2024	TSS Monthly Average	2618 Lbs.		1500 Mg/l
January 2024	TSS Monthly Average		18.20 Mg/l	15.00 Mg/l
January 2024	TSS 7-Day Average		26.5 Mg/l	22.5 Mg/l

We feel this problem was due to:

**Heavy rainfall events at the end of the month caused the spike in TSS and C-BOD<sub>5</sub>. The average flow during the last week of January was 23.37MGD. The plant is permitted for 12MGD.**

We plan on correcting the problem in this manner:

**Construction is set to begin on new secondary and upgrades to secondary clarification will aid in the event of high flows.**

Time estimated that it will take to correct problem:

**When flows decrease, the TSS and C-BOD issues will decrease as well. All other permit parameters were within acceptable range.**

Sincerely,



Submitted By:

February 9, 2024

Date

### Submitted Electronically via NetDMR

**Certification Statement:** I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Revised March 2016)

**Permit ID:** AR0033880  
**Permittee:** Hot Springs, City of  
**Facility:** Hot Springs, City of  
**Permitted Feature:** 001- External Outfall  
**Monitoring Period:** (1-31 Day of January 2024)  
**Status:** NetDMR Validated  
**Principal Executive Officer:**  
**First Name:** Harold  
**Title:** Facilities Operation Manager  
**No Data Indicator (NODI)**  
**Form NODI:**

**Major**  
**Permittee Address:** P.O. Box 700  
 Hot Springs, Ar. 71902  
**Facility Location:** 320 Davidson Drive  
 Hot Springs, Ar. 71901  
**Discharge:** A-001 -Monthly-Treated Municipal WW  
**DMR Due Date:** The 25th of the Following Month  
**Last Name:** Mauldin  
**Telephone:** 501-262-1125

Parameter:	(LBS)		(Mg/L)	
	Quantity or Loading Value	Units	Quality or Concentration Value	Units
Dissolved Oxygen			9.56	Mg/L
			Value = 5 Minimum	
pH	6.55	S.U.	7.26	S.U.
	>6 Minimum (Standard Units)		<9 Maximum (Standard Units)	
Solids, Total Suspended	2618	Lbs	18.2	Mg/L
	< 1500 Monthly Average		< 15 Monthly Average	26.5 Mg/L
				< 22.5 (7 Day Average)
Nitrogen Ammonia Total as N	208.30	Lbs	1.47	Mg/L
	< 1000 Monthly Average		<10 Monthly Average	1.73 Mg/L
				< 15 (7 Day Average)
Nitrate + Nitrite Total as N	498.10	Lbs	4.20	Mg/L
	Monthly Average		Monthly Average	4.20 Mg/L
				7 Day Average
Phosphorus, Total (as P)	75.60	Lbs	0.56	Mg/L
	< 100.1 Monthly Average		Monthly Average	0.64 Mg/L
				7 Day Average
Effluent Flow	14.01	MGD	26.81	MGD
	Monthly Average		Monthly Daily Maximum	
Coliform, Fecal General			101.99	#/100mls
			(30 Day Average Geometric)	504.44 #/100mls
			<1000	(30 Day Average Geometric)
				<2000
BOD, Carbonaceous (5 Day 20c)	1692.88	Lbs	11.66	Mg/L
	< 1000 Monthly Average		< 10 Monthly Average	17.05 Mg/L
				< 15 (7 Day Average)