



September 10, 2020

EMAIL

Ms. Danielle Harbin, Enforcement Analyst
Arkansas Division of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

Re: Mena Water Utilities
NPDES Permit Number: AR0036692, AFIN-57-00423, CAO LIS 18-046
Report of Unanticipated Bypass from WWTP

Dear Ms. Harbin:

An unanticipated bypass occurred at the Mena Wastewater Treatment Plant (WWTP) beginning at approximately 12:00 P.M. on September 10, 2020.

As described by the Modified Corrective Action Plan (CAP - CAO LIS 18-046) submitted on February 28, 2019, the equalization capacity of Mena's wastewater treatment lagoons can be exhausted by the unusually high volume of I/I conveyed by their collection system during and immediately following wet weather events. The Interim Operations Plan in the CAP describes steps that Mena must take to protect their WWTP until a long-term solution to this problem can be identified and implemented. To prevent damage from lagoon overflow, a bypass valve that directs partly treated wastewater from Lagoon #2 to a point near Outfall #1 must be opened. During these events, Mena records the volume bypassed and collects samples from the bypass stream for analysis. The total duration, total volume, and copies of the laboratory results related to this unanticipated bypass will be provided separate from this notification.

Hawkins-Weir Engineers, Inc. submitted a Wastewater Treatment Master Plan to the Division of Environmental Quality on behalf of the City of Mena per the terms of their CAO (CAO LIS 18-046). The City is in the process of identifying funding sources and has recently selected a site for the construction of a new wastewater treatment facility. The existing facility's peak flow capacity limitations will be addressed through the proposed treatment facility improvements recommended in the Master Plan and/or through collection system improvements identified in the City's SSES report prepared by others. Unanticipated bypasses could continue at Mena's existing WWTP until construction of the proposed improvements are completed. As identified in the Master Plan, construction of the new wastewater treatment facility is scheduled to be complete in November 2023.

Respectfully Submitted,

HAWKINS-WEIR ENGINEERS, INC.


Adrian U. Kaufman, P.E.

AJK/oab

cc: Mr. Charles Pitman, Mena Water Utilities General Manager
Mr. Mike Spencer, Mena Water Utilities Wastewater Superintendent

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Environmental Services Company, Inc.

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Northwest Arkansas
 1107 Century
 Springdale, AR
 Tel. (479)750-1170 Fax

Control Number: 2009010385	Sample Date : 09/02/20	
Customer Name : MENA WASTEWATER TREATMENT BYPASS	Sample Time : 1052	Collection : Collected
Customer Number : 4559	Sample Type : GRAB WWATER	Delivery : Delivered
Report Date : 09/09/20	Sample From : BYPASS SAMPLE	Work : Worked
		Purchase : Purchased

Laboratory Analysis

Analysis			Laboratory Analysis				
Date	Time	By	Parameter	Result	Notes	Quantity	Method
09/02	1054	JWS	Dissolved Oxygen	5.70 mg/L			SM 2001 4500-O G
09/08	1115	AA	Ammonia as N, (HACH/SM)	< 1.00 mg/L			H/SM 11 10205/450
09/02	1054	JWS	pH	6.5 S.U.			SM 2011 4500-H+B
09/04	0805	BW	Solids, Total Suspended	65.50 mg/L			SM 2011 2540 D
09/02	1522	BW	Fecal Coliform	461.1 /100ml			06/2012 Colilert11
09/02	1054	JWS	Chlorine, Residual	< 0.010 mg/L			SM 2000 4500-Cl G
09/03	0800	MRR	BOD, Carbonaceous	5.13 mg/L	Q		SM 2011 5210 B

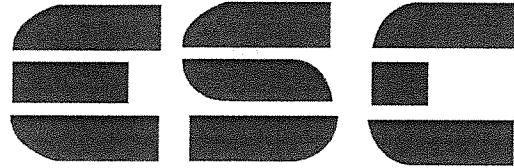
Q The glucose/glutamic acid standard exceeded the range of 198± 30.5 mg/L.
 * QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with a minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time is from the start of the analytical batch in which the specific sample was included.

Signature *Krist Mull*
 Environmental Services

RSW

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CHAIN OF CUSTODY

Spring
4
Carls
5
Albuque
8

Client Information		Project Information	
Client:	Mena Wastewater Treatment Plant	Permit/Project #:	AR0036692
Address:	323 Polk 53	Purchase Order #:	
	Mena, AR 71953	Work Order #	
Phone:	479-234-2592	Sampler Name(s):	SWMS SWMS
Email:	menawwtp@gmail.com	and Signature(s):	
Contact:	Mr. Mike Spencer		
ESC Client Number:	4559		

Sample Identification		Sample Collection				Sample Containers			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#
Bypass Sample	2009010385	9-2-20	1052	Grab	Wwater	Plastic	1/2 Gallon	Cool ≤ 6° C	1
	↓	↓	1053	Grab	Wwater	Plastic	8 oz	Cool ≤ 6° C, H2SO4 to pH <2	1
			1053	Grab	Wwater	Plastic	100 ml	Cool < 10° C, Na2S2O3	1
			1053	Grab	Wwater	NA	NA	NA	0

Relinquished By: (Signature and Printed Name)	Date	Time	Received By: (Signature and Printed Name)	Date	Time
Relinquished By: (Signature and Printed Name)	Date	Time	Received By: (Signature and Printed Name)	Date	Time
Relinquished By: (Signature and Printed Name) <i>JAMES SWMS</i>	9/2/20	1505	Received for Lab By: (Signature and Printed Name) <i>Kristin Mullins</i>	9/2/20	1505

Comments:	Flow Data	Field Test	Time	Analyst
	Analyst:	pH:	1054	JWS
	Time:	DO:	1054	JWS
	Reading:	Res Chl:	1054	JWS
	Units:			
	Chlorinated? Y N	Fecal Start:	1522	BW

