

June 18, 2020

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

Re:

Mena Water Utilities

NPDES Permit Number: AR0036692, AFIN-57-00423, CAO LIS 18-046

Explanation of Permit Exceedances

Dear Ms. Harbin:

A permit exceedance for Total Residual Chlorine (TRC) was recorded at the City of Mena's WWTP during the month of May 2020. A permit exceedance for Fecal Coliform Bacteria (FCB) was also recorded at the WWTP during the month of June 2020. A copy of the laboratory results related to the TRC exceedance is enclosed with this letter. Laboratory results related to the FCB exceedance with be provided by the City separate from this notification.

Mena's treatment process currently does not include a means of dechlorinating to control TRC. As referenced in the City of Mena's Quarterly Progress Report #2 submitted to DEQ on April 15, 2020, the City is currently taking steps toward achieving compliance with TRC limits. The City submitted a Request for Temporary Variance to DEQ on June 11, 2020 to allow a 90-day full-scale trial evaluation utilizing peracetic acid (PAA) disinfection. The City is scheduling to begin this evaluation in August 2020. This start date should allow the City to achieve compliance with the TRC limit required by Part I, Section B of their permit prior to September 1, 2020. The FCB excursion resulted from an adjustment in the WWTP's chlorine feed rate in an attempt to avoid additional TRC exceedances. This operational challenge will incidentally also be addressed through the PAA disinfection trial evaluation.

Respectfully Submitted,

HAWKINS-WEIR ENGINEERS, INC.

AJK/oab

Enclosures: TRC Laboratory Results – May 2020

cc: Mr. Charles Pitman, Mena Water Utilities General Manager

Mr. Mike Spencer, Mena Water Utilities Wastewater Superintendent

www.hawkins-weir.com

Environmental Services Company, Inc.

Corporate Office 13715 West Markham Little Rock, AR 72211 Tel. (501)221-2565 Fax (501)221-1341 Northwest Arkansas Branch 1107 Century Avenue Springdale, AR 72762 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 2005010378

Customer Name : MENA WASTEWATER TREATMENT PLANT

Customer/Permit No.: 4479 / AR0036692

Report Date : 06/12/20

Composite Date: 05/27/20 -05/28/20

Sample Time : 0808-0808/1050(5-28)

Sample Type : COMP/GRAB WWATER Sample From : FINAL EFFLUENT

Collected By: JGK Delivery By : JGK

Work Order : Purchase Order :

	Quality Assurance					
Analysis					Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes	Quantity	Method	% RPD	% Recovery
05/28 1055 JGK	Dissolved Oxygen	8.40 mg/L		SM 2001 4500-0 G	0.00	N/A
06/01 1230 DWC	Ammonia as N, (HACH/SM)	0.18 mg/L		H/SM 11 10205/4500	1.86	109.0 *
05/28 1055 JGK	рН	7.5 S.U.		SM 2011 4500-H+B	0.00	N/A
06/01 0645 ATL	Solids, Total Suspended	< 5.00 mg/L		SM 2011 2540 D	0.00	N/A *
05/28 1520 JK	Fecal Coliform	39.3 /100ml		06/2012 Colilert18	12.72	N/A
05/28 1055 JGK	Chlorine, Residual	0.100 mg/L (b)		SM 2000 4500-Cl G	0.00	N/A
05/29 0650 DWC	BOD, Carbonaceous	< 2.00 mg/L		SM 2011 5210 B	0.00	96.3 *

(b) Exceeds Permit Limits for Maximum Concentration

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature

Environmental Services Co., Inc



^{*} QA data shown is from a different sample or standard on the same date.

Environmental Services Company, Inc. Corporate Office

13715 West Markham

P.O. Box 55146

Little Rock, AR 72211

Little Rock, AR 72215

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Phone: 501-221-2565 Fax: 501-221-1341



Springdale, Arkansas 479-750-1170 Carlsbad, New Mexico 575-887-1372 Albuquerque, New Mexico 888-372-3477

Client Information				Project Information						Requested Parameters									
Client:	Mena Wastewater Treatment Plant			Permit/Pro	Permit/Project #: AR0036692														
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	Mena, AR 71953			Work Orde	Work Order #								16.)						
Phone:	479-234-2592			Sampler N	Sampler Name(s): J- Knocorchild									Chl(46.)					
Email:	menawwtp@gmail.com			1				1000	(38)		Œ.								
Contact:	Mr. Mike Spencer			and Signature(s):			1			TSS(28.)		Coliform (43.1F)	DO(10.), Res						
ESC Client Number: 4479 (Weekly)						y ······					5.A)	form	0						
Sample Identification			Sample Collection				Sample Containers				0/)	E Z	S	3), [i			
Identification ESC Control #		Date	Time	Туре	Matrix	Туре	Volume			CBOD(70.),	NH3-N (15.A)	Fecal	pH(23.),						
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